# **BERKELEY**® B1WP Bronze Impeller

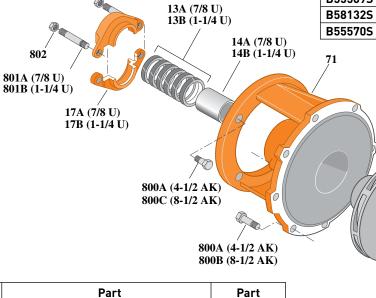
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

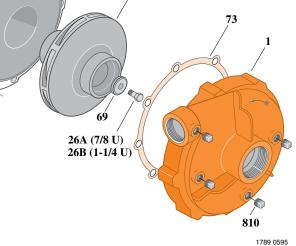
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55567S	3	1	3600	7/8"	5.75"	H05454
B53697S	3	3	3600	7/8"	5.75"	H05454
B55568S	5	1	3600	7/8"	6.69"	H05455
B55569S	5	3	3600	7/8"	6.69"	H05455
B58132S	7.5	1	3600	1-1/4"	7.50"	H05457
B55570S	7.5	3	3600	7/8"	7.50"	L07923



Item No.	Part Description	Part Number
1	Case, Volute	L04022
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619
14B	Sleeve, Shaft	S05149
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Volute	S05126
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
810	Plug, Pipe 1/4 NPT (4 Reg.)	S23715



### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame	
3	1	H00950	4-1/2"	7/8"	182JP	
3	3	H00950	4-1/2"	7/8"	154JP	
5	1	H00950	4-1/2"	7/8"	184JP	
5	3	H00950	4-1/2"	7/8"	182JP	
7.5	1	L03827	8-1/2"	1-1/4"	213JP	
7.5	3	H00950	4-1/2"	7/8"	184JP	

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



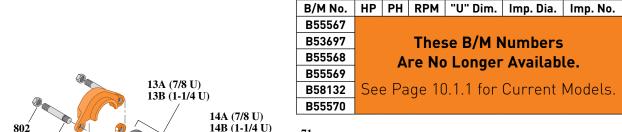
# **BERKELEY**® B1WP Bronze Impeller

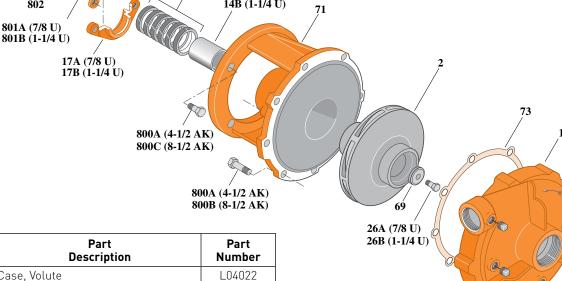
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

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### Table I





S23343

S23715

Case, Volute 2 Impeller See Table I 13A Rings, Packing (Set of 7) S15094 13B Rings, Packing (Set of 6) S13470 14A Sleeve, Shaft (2 Req.) S00619 14B Sleeve, Shaft S05149 17A Gland, Packing B82469 17B Gland, Packing B82470 Screw, Impeller 3/8 - 16 x 1" 26A S23566 Screw, Impeller 1/2 - 13 x 1-1/4" 26B S23621 32 Key, 3/16 x 1-1/4" (See Note) S34383 Washer, Impeller 69 S16239 71 Bracket See Table II 73 S05126 Gasket, Volute 800A Capscrew, 3/8 - 16 x 1" [12 Req.] S26826 800B Capscrew, 3/8 - 16 x 1-1/8" (8 Reg.) S26827 800C Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) S26916 801A Stud, 3/8 - 16 x 3" (2 Req.) S04439 801B Stud, 3/8 - 16 x 4" (2 Req.) S08303

### Table II

810

1789 0595

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	182JP
3	3	H00950	4-1/2"	7/8"	154JP
5	1	H00950	4-1/2"	7/8"	184JP
5	3	H00950	4-1/2"	7/8"	182JP
7.5	1	L03827	8-1/2"	1-1/4"	213JP
7.5	3	H00950	4-1/2"	7/8"	184JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



802

810

ltem

No.

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

# BERKELEY® B1WPS

## Bronze Impeller

800B (4-1/2 AK) 800C (8-1/2 AK)

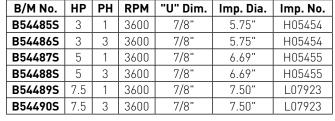
800A

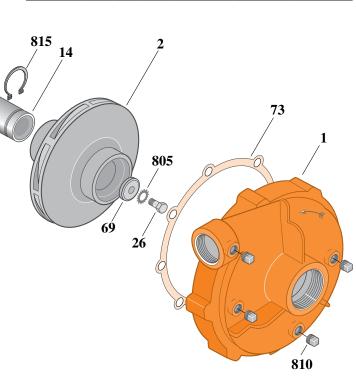
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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Supersedes 01/01/04				

### Table I





1710 0295 A

2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Reg.)

Plug, Pipe 1/4 NPT (4 Reg.)

Part

Description

**Part** 

Number

L04022

S26825

S26192

S23715

S11207

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	182JM
3	3	L05332	4-1/2"	7/8"	154JM
5	1	L05332	4-1/2"	7/8"	184JM
5	3	L05332	4-1/2"	7/8"	182JM
7.5	1	L05331	8-1/2"	7/8"	213JM
7.5	3	L05332	4-1/2"	7/8"	184JM

Table II

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Item

No.

800B

800C

810

815

Case, Volute

Ring, Retaining

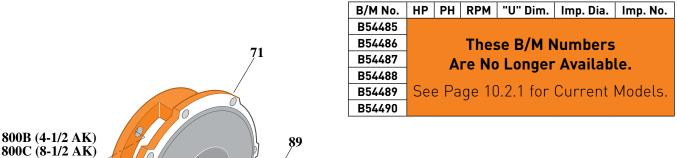
## **BERKELEY**® B1WPS Bronze Impeller

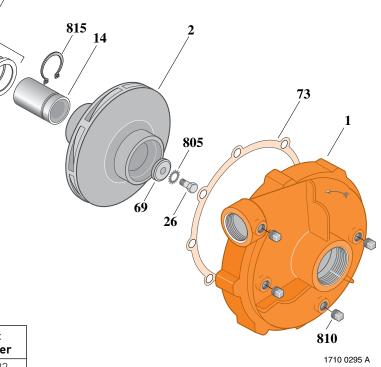
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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### Table I





Item No.	Part Description	Part Number
1	Case, Volute	L04022
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
800C	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26192
810	Plug, Pipe 1/4 NPT (4 Req.)	S23715
815	Ring, Retaining	S11207

80ÓA

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	182JM
3	3	L05332	4-1/2"	7/8"	154JM
5	1	L05332	4-1/2"	7/8"	184JM
5	3	L05332	4-1/2"	7/8"	182JM
7.5	1	L05331	8-1/2"	7/8"	213JM
7.5	3	L05332	4-1/2"	7/8"	184JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B1WP Silicon Bronze Impeller

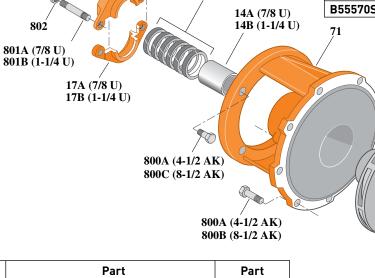
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

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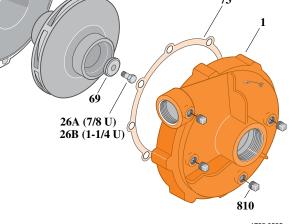
### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55567S	3	1	3600	7/8"	5.75"	H05454
B53697S	3	3	3600	7/8"	5.75"	H05454
B55568S	5	1	3600	7/8"	6.69"	H05455
B55569S	5	3	3600	7/8"	6.69"	H05455
B58132S	7.5	1	3600	1-1/4"	7.50"	H05457
B55570S	7.5	3	3600	7/8"	7.50"	L07923



13A (7/8 U) 13B (1-1/4 U)

Item No.	Part Description	Part Number
1	Case, Volute	L04022
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619
14B	Sleeve, Shaft	S05149
17A	Gland, Packing	S00393
17B	Gland, Packing	S12034
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Volute	S05126
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S004439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
810	Plug. Pipe 1/4 NPT (4 Reg.)	S23715



1789 0595

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	182JP
3	3	H00950	4-1/2"	7/8"	154JP
5	1	H00950	4-1/2"	7/8"	184JP
5	3	H00950	4-1/2"	7/8"	182JP
7.5	1	L03827	8-1/2"	1-1/4"	213JP
7.5	3	H00950	4-1/2"	7/8"	184JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



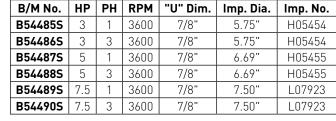
# **BERKELEY**® B1WPS Silicon Bronze Impeller

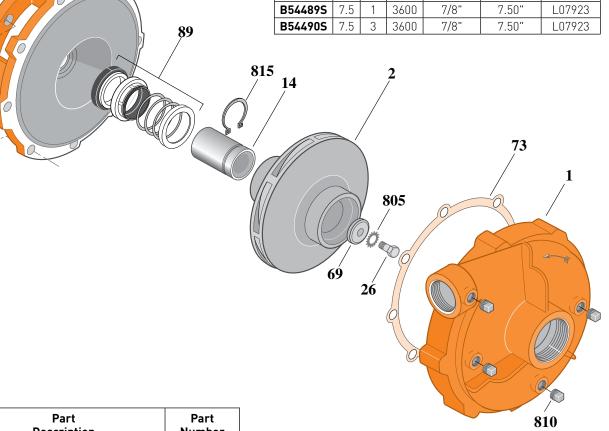
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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### Table I





Item No.	Part Description	Part Number
1	Case, Volute	L04022
2	Impeller	See Table I
14	Sleeve, Shaft	S19310
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
810	Plug, Pipe 1/4 NPT (4 Req.)	S23715
815	Ring, Retaining	S11207

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	182JM
3	3	L05332	4-1/2"	7/8"	154JM
5	1	L05332	4-1/2"	7/8"	184JM
5	3	L05332	4-1/2"	7/8"	182JM
7.5	1	L05331	8-1/2"	7/8"	213JM
7.5	3	L05332	4-1/2"	7/8"	184JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



800B

80ÓA

# **BERKELEY**® B1-1/2TPL Cast Iron Impeller

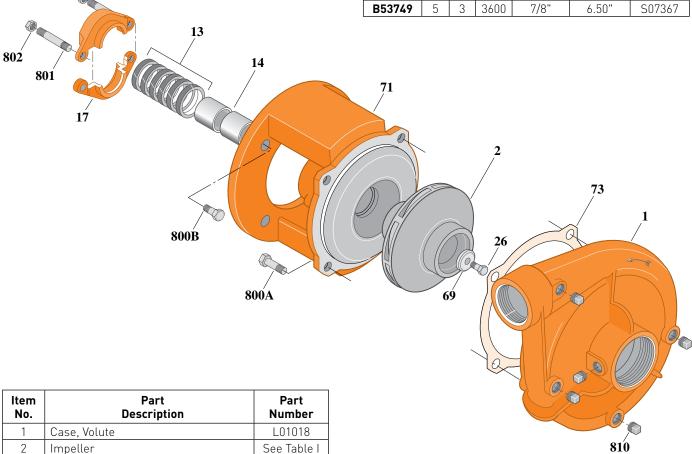
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53747	3	1	3600	7/8"	6.00"	M06122
B51592	3	3	3600	7/8"	6.00"	M06122
B53748	5	1	3600	7/8"	6.50"	S07367
B53749	5	3	3600	7/8"	6.50"	S07367



S13469

S00619

B82469

S23566

S34383

S16239

See Table II S04757

S26912

S26825

S08303

S23343

S23715

1718 0495

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	182JP
3	3	L01525	4-1/2"	7/8"	145JP
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13

14

17

26

32

69

73

A008

800B

801

802

810

Rings, Packing (Set of 6)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Reg.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Sleeve, Shaft (2 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

Bracket

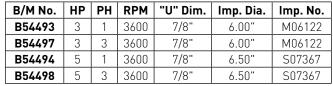
## BERKELEY® B1-1/2TPLS Cast Iron Impeller

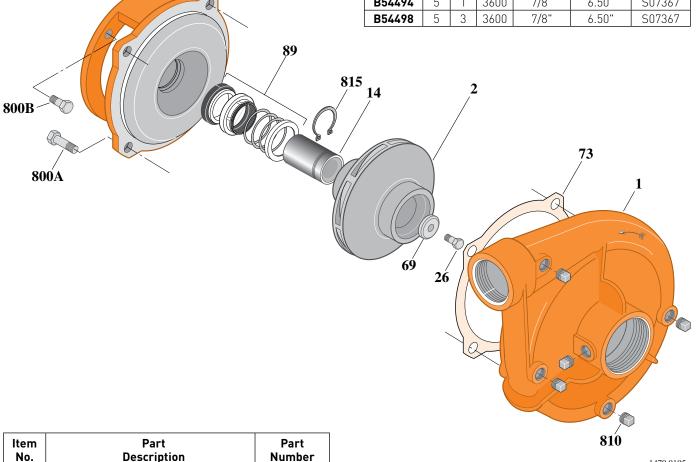
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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### Table I





L01018

1479 0195

2	Impeller	See Table I	
14	Sleeve, Shaft	S19310L	
26	Screw, Impeller 3/8 - 16 x 1"	S23566	
32	Key, 3/16 x 1-1/4" (See Note)	S34383	
69	Washer, Impeller	S16239	
			1

71	Bracket	See Table
73	Gasket, Case	S04757
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
810	Pipe Plug, 1/4 NPT (5 Req.)	S23715
815	Ring, Seal Retaining	S11207

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	182JM
3	3	L05329	4-1/2"	7/8"	145JM
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



Case, Volute

## BERKELEY® B1-1/2TPL Bronze Impeller

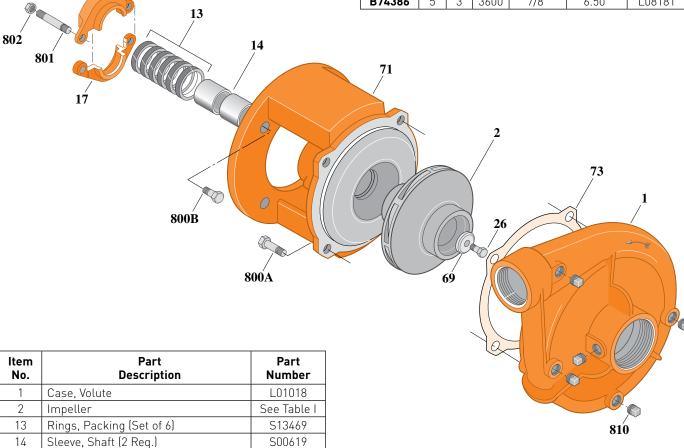
Threaded Case (NPT), Packing Construction

### FLECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66467	3	1	3600	7/8"	6.00"	L06662
B66468	3	3	3600	7/8"	6.00"	L06662
B66471	5	1	3600	7/8"	6.50"	M08629
B74385	5	1	3600	7/8"	6.50"	L08181
B66472	5	3	3600	7/8"	6.50"	M08629
B74386	5	3	3600	7/8"	6.50"	L08181



B82469

S23566

S34383

S16239

See Table II S04757

S26912

S26825

S08303

S23343

S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	182JP
3	3	L01525	4-1/2"	7/8"	145JP
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



14

17

26

32

69

71

73

800A

800B

801

802

Gland, Packing

Washer, Impeller

Gasket, Volute

Bracket

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

# **BERKELEY**® B1-1/2TPLS Bronze Impeller

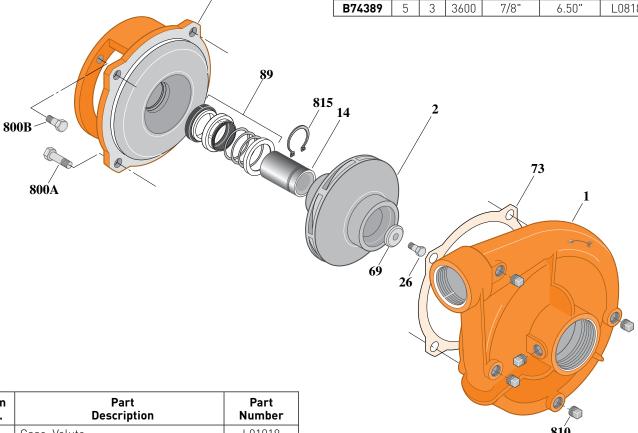
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66469	3	1	3600	7/8"	6.00"	L06662
B66470	3	3	3600	7/8"	6.00"	L06662
B66473	5	1	3600	7/8"	6.50"	M08629
B74388	5	1	3600	7/8"	6.50"	L08181
B66474	5	3	3600	7/8"	6.50"	M08629
B74389	5	3	3600	7/8"	6.50"	L08181



Item No.	Part Description	Part Number
1	Case, Volute	L01018
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Case	S04757
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
810	Pipe Plug, 1/4 NPT (5 Req.)	S23715
815	Ring, Seal Retaining	S11207

### Table II

Н	ΙP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
;	3	1	L05329	4-1/2"	7/8"	182JM
	3	3	L05329	4-1/2"	7/8"	145JM
	5	1	L05329	4-1/2"	7/8"	184JM
	5	3	L05329	4-1/2"	7/8"	182JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



## BERKELEY® B1-1/2TPL Silicon Bronze Impeller

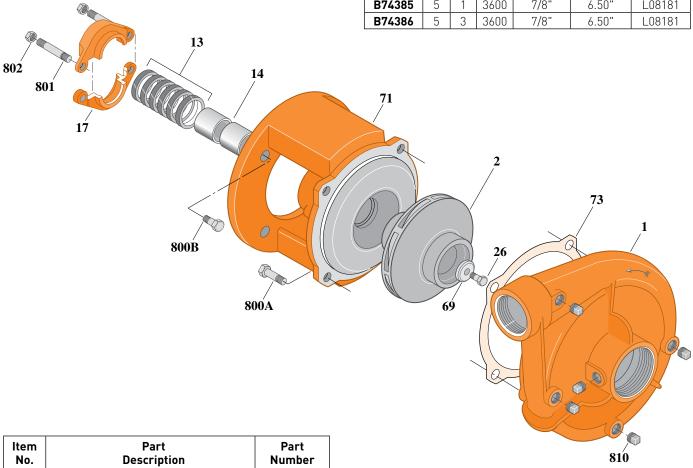
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74385	5	1	3600	7/8"	6.50"	L08181
B74386	5	3	3600	7/8"	6.50"	L08181



Item No.	Part Description	Part Number
1	Case, Volute	L01018
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	S00393
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Volute	S04757
800A	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
800B	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



### BERKELEY® B1-1/2TPLS Silicon Bronze Impeller

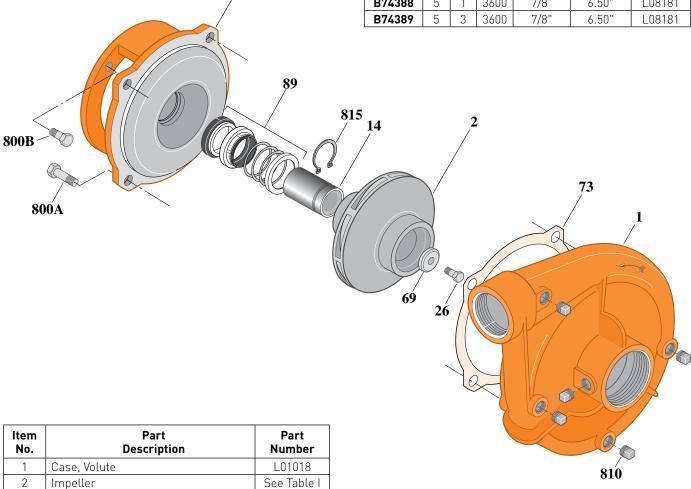
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section	CC
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Date	March 4, 2013
	Supersedes 09/01/97

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74388	5	1	3600	7/8"	6.50"	L08181
B74389	5	3	3600	7/8"	6.50"	L08181



S19310

S23566

S34383

S16239

See Table II

S04757

S32014

S26912

S26826

S23715

S11207

S23714

1479 0195

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



26

32

69 71

73

89

800A

800B

810

815



Sleeve, Shaft

Bracket

Gasket, Case

Washer, Impeller

Seal, Mechanical Shaft

Ring, Seal Retaining

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Plug, Pipe 1/8" NPT (In Bracket)

Pipe Plug, 1/4" NPT (5 Req.)

# **BERKELEY**® B1-1/2TPM Cast Iron Impeller

Threaded Case (NPT), Packing Construction

801A (7/8 U) 801B (1-1/4 U)

> 17A (7/8 U) 17B (1-1/4 U)

Screw, Impeller, 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Capscrew, 1/2 - 13 x 1" (8 Req.)

Stud, 3/8 - 16 x 3-1/2"" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

13A (7/8 U) 13B (1-1/4 U)

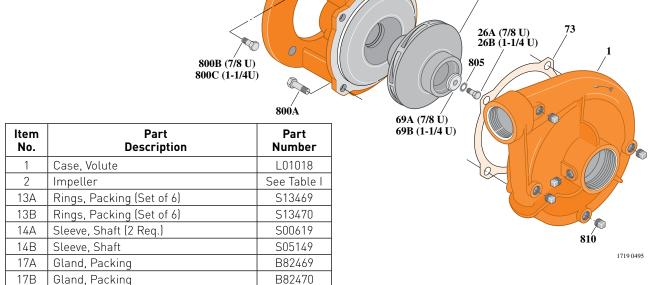
> 14A (7/8 U) 14B (1-1/4 U)

### FLECTRIC MOTOR DRIVE

Section	CC
Page	30.1
Date	March 4, 2013
	Supersedes 01/01/04

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58143	5	1	3600	7/8"	5.50"	M07637
B58144	5	3	3600	7/8"	5.50"	M07637
B58145	7.5	1	3600	1-1/4"	6.00"	S34238
B58146	7.5	3	3600	7/8"	6.00"	M07638
B58147	10	1	3600	1-1/4"	6.56"	S32401
B58148	10	3	3600	1-1/4"	6.56"	S32401



S23566

S23619

S34383

S23677

S16239

S06317

See Table II

S04757

S26912

S26912

S26825

S08303

S04441

S23343

S23038

S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



26A

26B

32A

32B

69A

69B

71

73

A008

800B

801A 801B

802

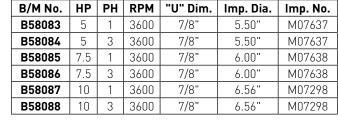
### BERKELEY® B1-1/2TPMS Cast Iron Impeller

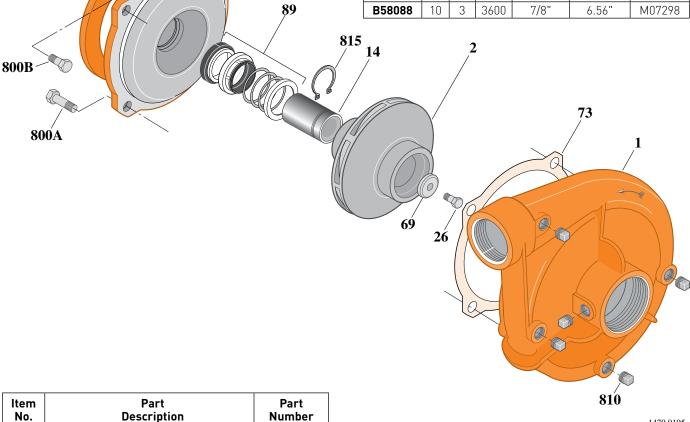
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section		CC				
Page		30.2				
Date		March 4, 2013				
Supersedes 01/01/04						

### Table I





L01018

See Table I

S19310L

S23566

S34383

S16239

See Table II

S04757

S32014

S26912

S26826

S23715

S11207

1479 0195

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



Case, Volute

Sleeve, Shaft

Washer, Impeller

Seal, Mechanical Shaft

Gasket, Volute

Ring, Retaining

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (8 Req.)

Capscrew, 3/8 - 16 x 1" (4 Reg.)

Plug, Pipe 1/4 NPT (5 Reg.)

Impeller

Bracket

2

14

26

32

69

71

73

89

800A

800B

810

# **BERKELEY**® B1-1/2TPM Bronze Impeller

Threaded Case (NPT), Packing Construction

801A (7/8 U) 801B (1-1/4 U) 13A (7/8 U) 13B (1-1/4 U)

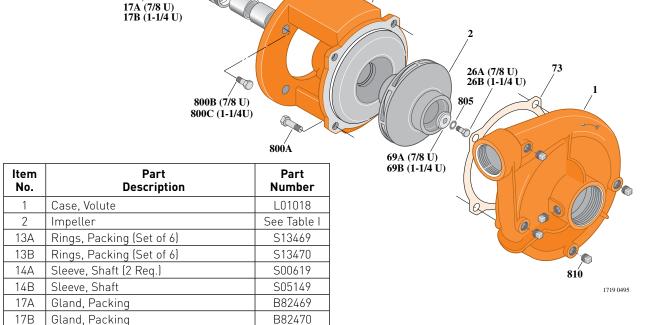
> 14A (7/8 U) 14B (1-1/4 U)

### FLECTRIC MOTOR DRIVE

Section		CC
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Date		March 4, 2013
	Supersede	es 01/01/04

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66475	5	1	3600	7/8"	5.50"	L08179
B66476	5	3	3600	7/8"	5.50"	L08179
B66479	7.5	1	3600	1-1/4"	6.00"	L08151
B66480	7.5	3	3600	7/8"	6.00"	L08177
B66483	10	1	3600	1-1/4"	6.56"	L08150
B66484	10	3	3600	1-1/4"	6.56"	L08150



S23566

S23619

S34383

S23677

S16239

S06317

See Table II

S04757

S26912

S26912

S26825

S08303

S04441

S23343

S23038

S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



26A

26B

32A

32B

69A

69B

71

73

A008

800B

801A 801B

802

805

Screw, Impeller, 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Capscrew, 1/2 - 13 x 1" (8 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Key, 1/4 x 2-1/4" (See Note)

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

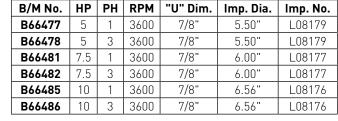
## **BERKELEY**® B1-1/2TPMS Bronze Impeller

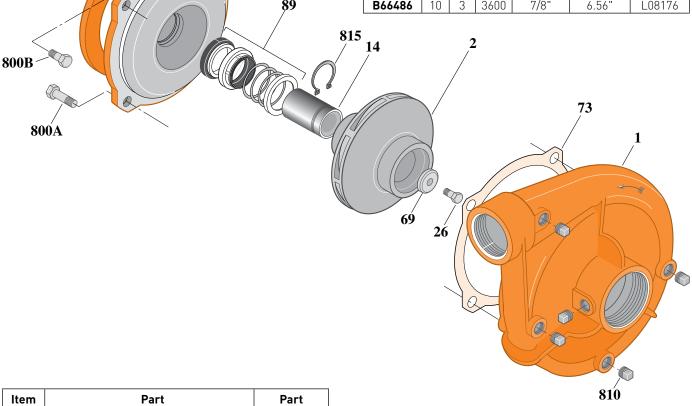
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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Supe	rsedes 01/01/04

### Table I





Number

L01018

See Table I

S19310

S23566

S34383

S16239

See Table II S04757

S32014

S26912

S26826

S23715

S11207

1479 0195

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



No.

2

14

26

32 69

71

73

800A

800B

810

815

Case, Volute

Sleeve, Shaft

Washer, Impeller

Seal, Mechanical Shaft

Gasket, Volute

Ring, Retaining

Impeller

Bracket

**Description** 

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (8 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

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# **BERKELEY**® B1-1/2TPM Silicon Bronze Impeller

Threaded Case (NPT), Packing Construction

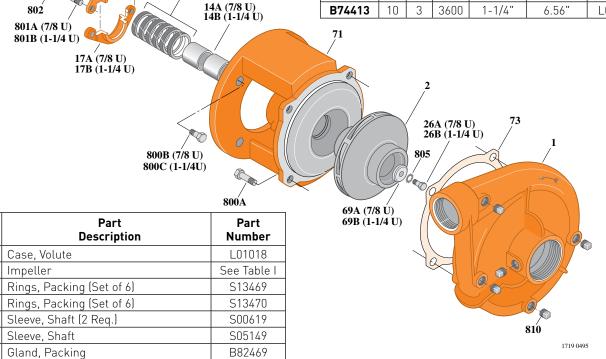
13A (7/8 U) 13B (1-1/4 U)

### FLECTRIC MOTOR DRIVE

Section		CC
Page		30.5
Date		March 4, 2013
	Superse	des 01/01/04

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74394	5	1	3600	7/8"	5.50"	L08179
B74393	5	3	3600	7/8"	5.50"	L08179
B74401	7.5	1	3600	1-1/4"	6.00"	L08151
B74405	7.5	3	3600	7/8"	6.00"	L08177
B74414	10	1	3600	1-1/4"	6.56"	L08150
B74413	10	3	3600	1-1/4"	6.56"	L08150



B82470

S23566

S23619

S34383

S23677

S16239

S06317

See Table II

S04757

S26912

S26825

S26912

S08303

S04441

S23343

S23038

S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Item

No.

13A

13B 14A

14B

17A

17B

26A

26B

32A

32B

69B

73

A008

800B

800C

801A

801B

802

805

810

Gland, Packing

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

Screw, Impeller, 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Reg.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Reg.)

Plug, Pipe 1/4" NPT (5 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

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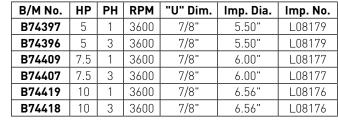
## **BERKELEY**® B1-1/2TPMS Silicon Bronze Impeller

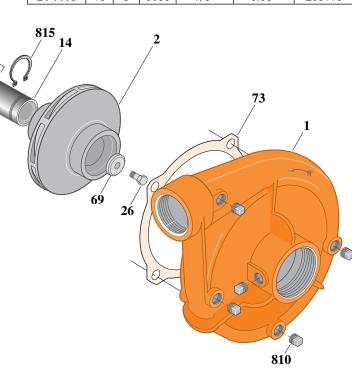
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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Date		March 4, 2013
	Superse	des 01/01/04

### Table I





1479A 0195

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.

Item No.	Part Description	Part Number
1	Case, Volute	L01018
2	Impeller	See Table I
14	Sleeve, Shaft	S19310
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S16239
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug Pine 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.

800B (4 1/2 AK) 800C (8 1/2 AK)

800A



# **BERKELEY**® B1-1/2ZPL Cast Iron Impeller

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

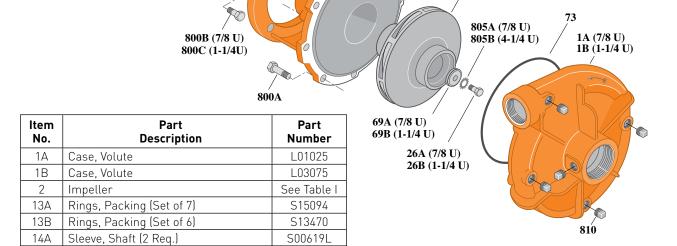
> 14A (7/8 U) 14B (1-1/4 U)

### FLECTRIC MOTOR DRIVE

Section		CC
Page		40.1
Date		March 4, 2013
	Superse	des 07/01/11

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53750	7.5	1	3600	1-1/4"	7.18"	M07692
B53751	7.5	3	3600	7/8"	7.18"	M07693
B55574	10	1	3600	1-1/4"	7.88"	M07691
B53752	10	3	3600	1-1/4"	7.88"	M07691
B53753	15	3	3600	1-1/4"	8.75"	M07690



S05149L

B82469

B82470

S23566

S23619

S34383

S23677

S06314

S06317

See Table II M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	213JP
7.5	3	H00950	4-1/2"	7/8"	184JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	213JP
15	3	L03827	8-1/2"	1-1/4"	215JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



801A (7/8 U) 801B (1-1/4 U)

14B

17A

17B

26A

26B

32A

32B

69A

69B

71

73

800A

800B

800C

801A

801B

802

805A

805B

810

Sleeve, Shaft

Gland, Packing

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2/14" (See Note 1)

Key, 3/16 x 1-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (12 Req.)

Stud, 3/8 - 16 x 3" (2 Reg.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Washer, Lock

Washer, Lock

Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

17A (7/8 U) 17B (1-1/4 U)

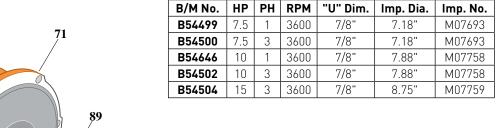
## BERKELEY® B1-1/2ZPLS Cast Iron Impeller

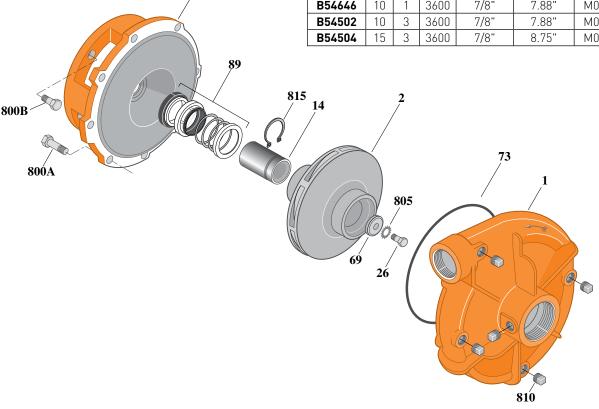
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section	CC
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Date	March 4, 2013
	Supersedes 07/01/11

### Table I





Item No.	Part Description	Part Number
1	Case, Volute	L01025
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
A008	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L05331	8-1/2"	7/8"	213JM
7.5	3	L05332	4-1/2"	7/8"	184JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	213JM
15	3	L05331	8-1/2"	7/8"	215JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



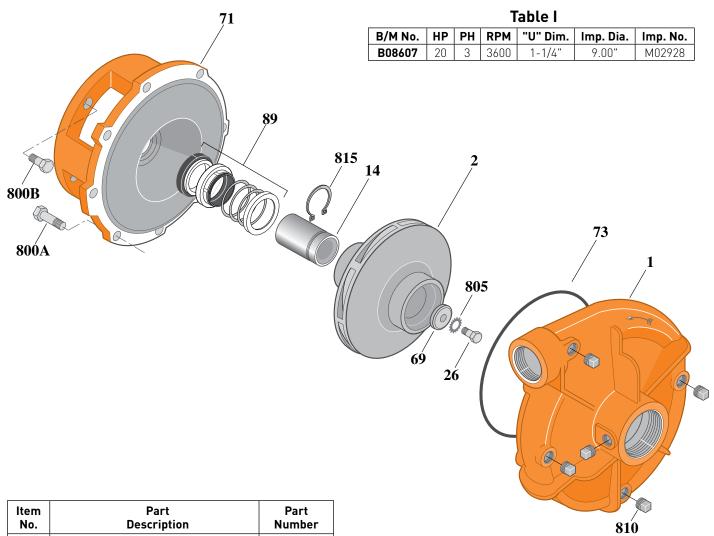
# BERKELEY® B1-1/2ZPLS

# Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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Item No.	Part Description	Part Number
1	Case, Volute	L03075
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S16767

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B1-1/2ZPL Bronze Impeller

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

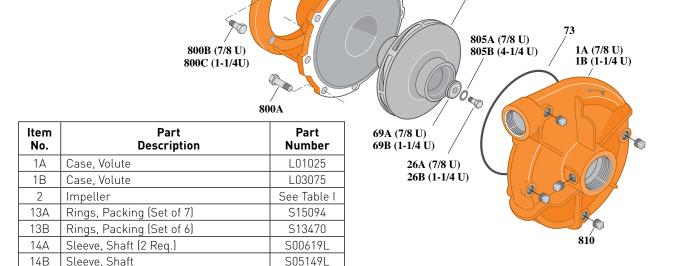
> 14A (7/8 U) 14B (1-1/4 U)

### ELECTRIC MOTOR DRIVE

Section	CC
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66487	7.5	1	3600	1-1/4"	7.18"	L06648
B66488	7.5	3	3600	7/8"	7.18"	L06649
B66491	10	1	3600	1-1/4"	7.88"	L06647
B66492	10	3	3600	1-1/4"	7.88"	L06647
B66493	15	3	3600	1-1/4"	8.75"	L06646



B82469

B82470

S23566

S23619

S34383

S23677

S06314

S06317

See Table II

M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	213JP
7.5	3	H00950	4-1/2"	7/8"	184JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	213JP
15	3	L03827	8-1/2"	1-1/4"	215JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



17A

17B

26A

26B

32A

32B

69A

69B

71

73

A008

800B

800C

801A

801B

805A

805B

Gland, Packing

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2/14" (See Note 1)

Key, 3/16 x 1-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (12 Reg.)

Stud, 3/8 - 16 x 3" (2 Reg.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

Washer, Lock

Washer, Lock

Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

801A (7/8 U) 801B (1-1/4 U)

> 17A (7/8 U) 17B (1-1/4 U)

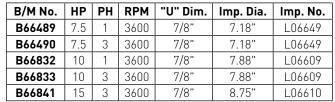
# BERKELEY® B1-1/2ZPLS Bronze Impeller

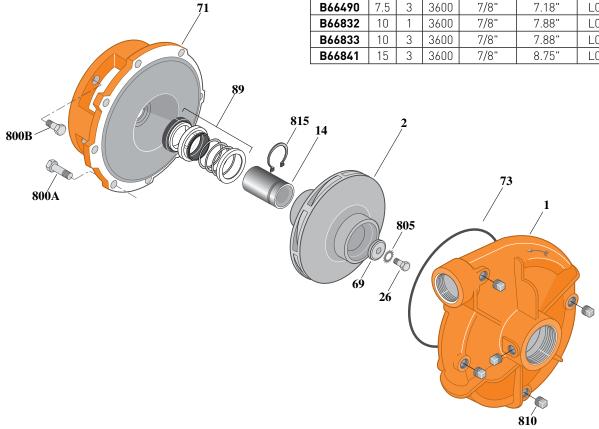
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section		CC
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### Table I





Item No.	Part Description	Part Number
1	Case, Volute	L01025
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L05331	8-1/2"	7/8"	213JM
7.5	3	L05332	4-1/2"	7/8"	184JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	213JM
15	3	L05331	8-1/2"	7/8"	215JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



## BERKELEY® B1-1/2ZPLS Silicon Bronze Impeller

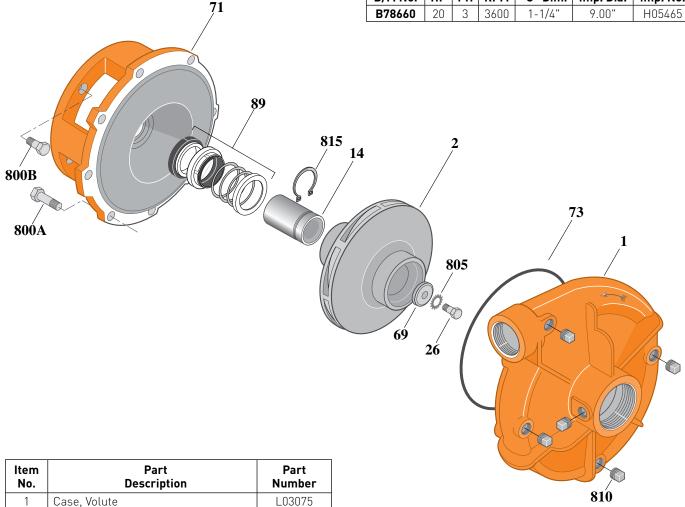
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section	CC
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B78660	20	3	3600	1-1/4"	9.00"	H05465



See Table I

S18869L

S23619

S23677

S06317

See Table II

M14943

S32015

S26827

S26912

S23038

S23715

S16767

1602 1210

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this



Impeller

Bracket

14

26

69

71

73

800B

805

810

815

Sleeve, Shaft

Washer, Impeller

Washer, Lock

Ring, Retaining

O-Ring (See Note 2)

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note1)

Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

# **BERKELEY**® B1-1/2ZPL Silicon Bronze Impeller

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

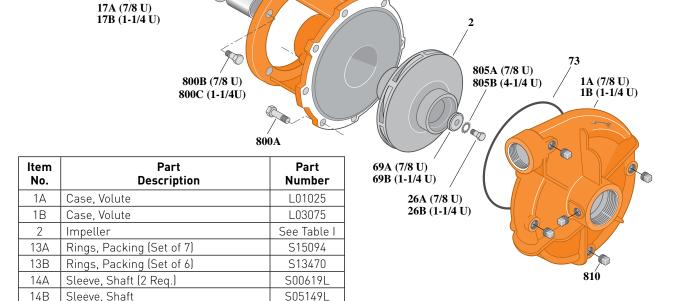
> 14A (7/8 U) 14B (1-1/4 U)

### ELECTRIC MOTOR DRIVE

Section	CC
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66487S	7.5	1	3600	1-1/4"	7.18"	H05458
B66488S	7.5	3	3600	7/8"	7.18"	H05459
B66491S	10	1	3600	1-1/4"	7.88"	H05460
B66492S	10	3	3600	1-1/4"	7.88"	H05460
B66493S	15	3	3600	1-1/4"	8.75"	H05461



B82469

B82470

S23566

S23619

S34383

S23677

S06314

S06317

See Table II

M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	213JP
7.5	3	H00950	4-1/2"	7/8"	184JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	213JP
15	3	L03827	8-1/2"	1-1/4"	215JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



802

801A (7/8 U) 801B (1-1/4 U)

17A

17B

26A

26B

32A

32B

69A

69B

71

73 800A

800B

800C

801A

801B

802

805A

805B

810

Gland, Packing

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 3" (2 Reg.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (5 Req.)

Washer, Lock

Washer, Lock

Capscrew, 3/8 - 16 x 1-1/8" (4 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Key, 1/4 x 2/14" (See Note1)

## **BERKELEY**® B1-1/2ZPLS Silicon Bronze Impeller

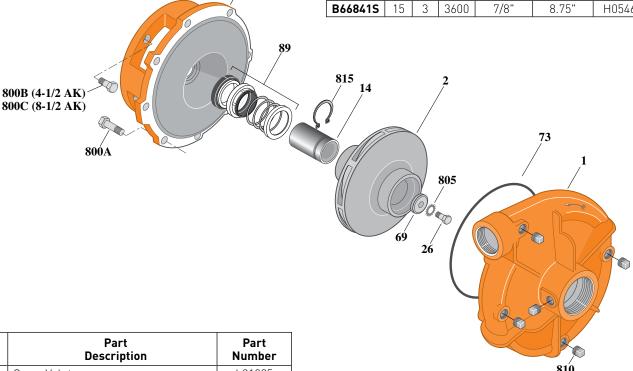
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section	CC
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66489S	7.5	1	3600	7/8"	7.18"	H05459
B66490S	7.5	3	3600	7/8"	7.18"	H05459
B66832S	10	1	3600	7/8"	7.88"	H05463
B66833S	10	3	3600	7/8"	7.88"	H05463
B66841S	15	3	3600	7/8"	8.75"	H05464



Item No.	Part Description	Part Number
1	Case, Volute	L01025
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L05331	8-1/2"	7/8"	213JM
7.5	3	L05332	4-1/2"	7/8"	184JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	213JM
15	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

 $\textbf{NOTE 2:} \ \mathsf{For seal flush line details, see} \ \textbf{Supplement D}.$ 

**NOTE 3:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B1-1/2ZPH Cast Iron Impeller

Threaded Case (NPT), Packing Construction

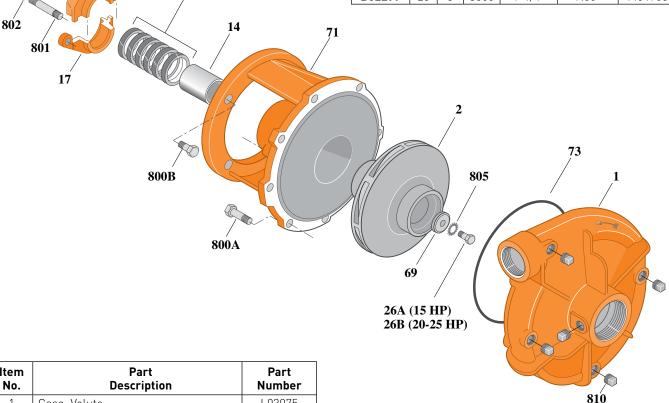
13

### ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53759	15	3	3600	1-1/4"	7.94"	M07666
B52296	20	3	3600	1-1/4"	8.62"	M07665
B52297	25	3	3600	1-1/4"	9.00"	M04906



Item No.	Part Description	Part Number
1	Case, Volute	L03075
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26A	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
26B	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L03827	8-1/2"	1-1/4"	215JP
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2 "	1-1/4"	256JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

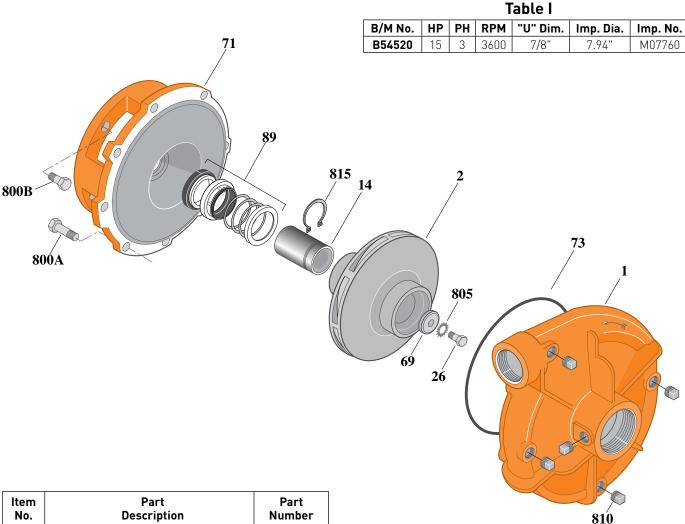


## BERKELEY® B1-1/2ZPHS Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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S23036

S23715

S11207

1	Case, Volute	L03075
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	თ	L05331	8-1/2"	7/8"	215JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



805

810

815

Washer, Lock

Ring, Retaining

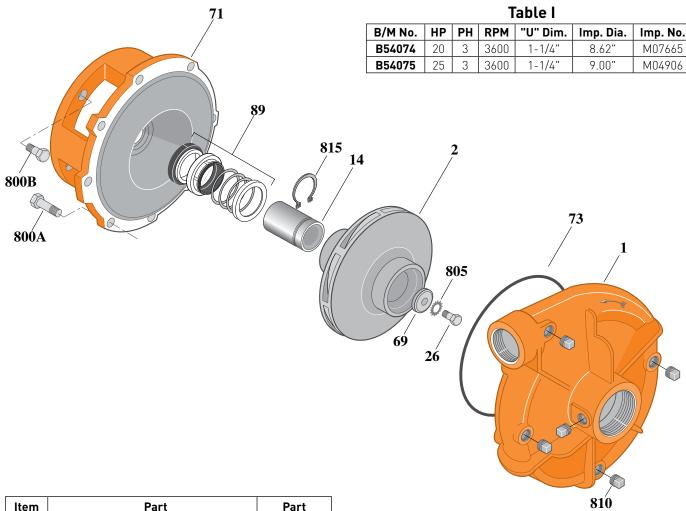
Plug, Pipe 1/4 NPT (5 Reg.)

# **BERKELEY**® B1-1/2ZPHS Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section		CC
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Item No.	Part Description	Part Number
1	Case, Volute	L03075
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1"" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S16767

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B1-1/2ZPH Silicon Bronze Impeller

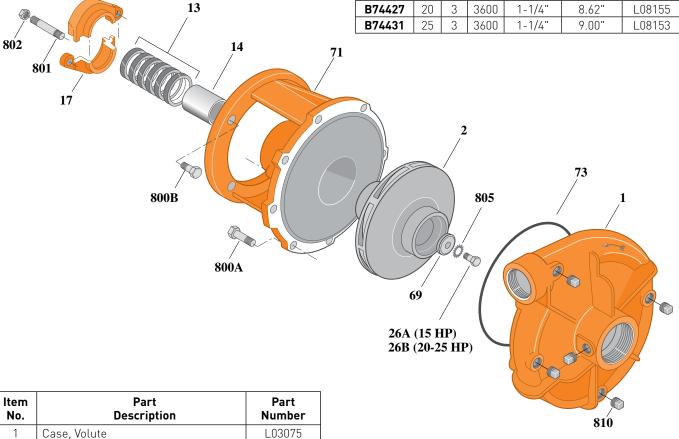
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74423	15	3	3600	1-1/4"	7.94"	L08156
B74427	20	3	3600	1-1/4"	8.62"	L08155
B74431	25	3	3600	1-1/4"	9.00"	L08153



S23343

S23038

S23715

1742 1210

2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26A	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
26B	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L03827	8-1/2"	1-1/4"	215JP
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



802

805

Washer, Lock

Nut, Hex 3/8 - 16 (2 Reg.)

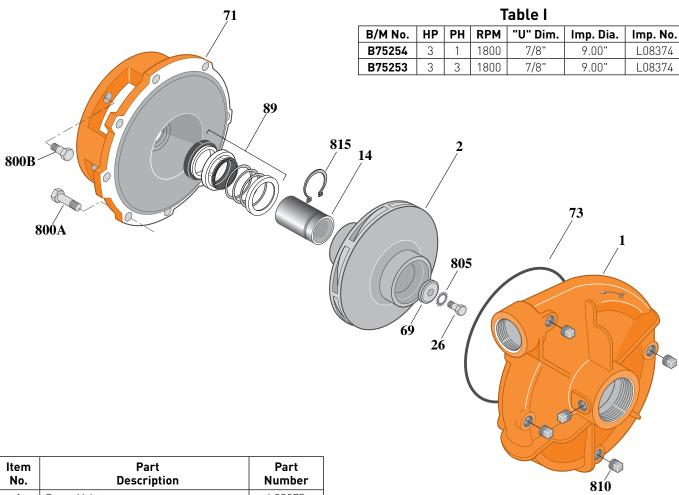
Plug, Pipe 1/4" NPT (5 Req.)

## **BERKELEY**® B1-1/2ZPHS Silicon Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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S11207

S23714

No.	Description	Number
1	Case, Volute	L03075
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Reg.)	S23715

Not illustrated.

815

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.

**NOTE 3:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



Ring, Retaining

Plug, Pipe 1/8" NPT (In Bracket)

## BERKELEY® B1-1/2ZPHS Silicon Bronze Impeller

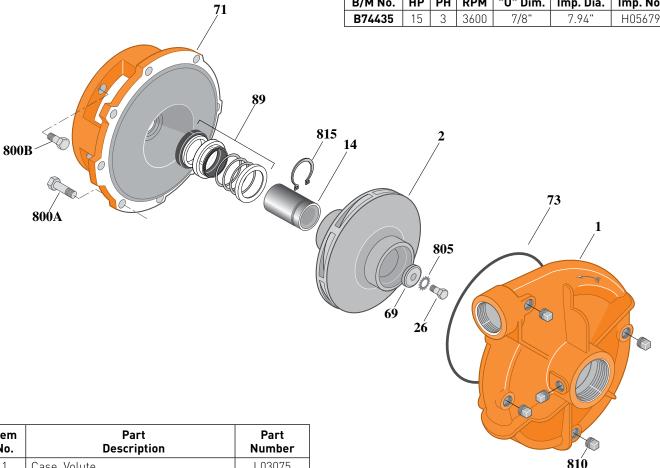
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section	CC
Page	50.7
Date	March 4, 2013
(	Supersedes 07/01/11

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74435	15	3	3600	7/8"	7.94"	H05679



Item No.	Part Description	Part Number
1	Case, Volute	L03075
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame	
15	3	L05331	8-1/2"	7/8"	215JM	

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.

NOTE 3: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



## **BERKELEY**® B1-1/2ZPHS Silicon Bronze Impeller

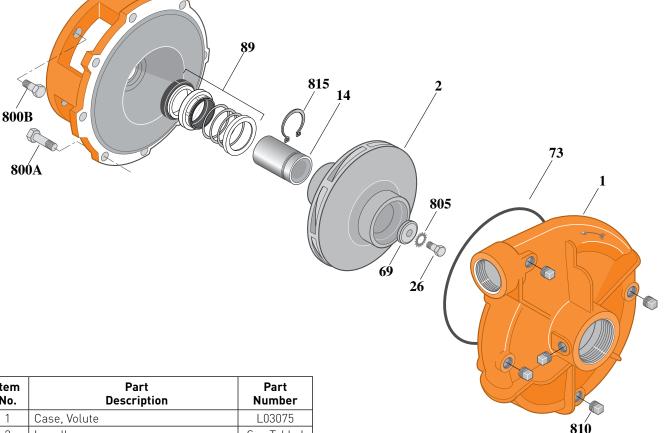
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section	CC
Page	50.8
Date	March 4, 2013
	Supersedes 07/01/11

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74437	20	3	3600	1-1/4"	8.62"	L08155
B74439	25	3	3600	1-1/4"	9.00"	L08153



Item No.	Part Description	Part Number
1	Case, Volute	L03075
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.

**NOTE 3:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B1-1/2EPL Silicon Bronze Impeller

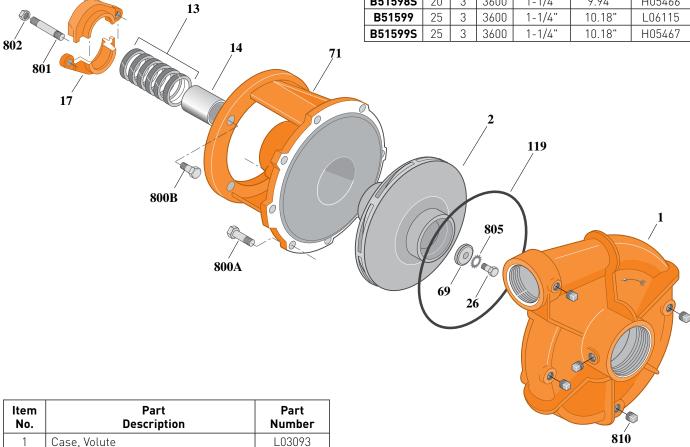
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

Section	CC
Page	60.1
Date	March 4, 2013
	Supersedes 01/01/04

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51598	20	3	3600	1-1/4"	9.94"	L06114
B51598S	20	3	3600	1-1/4"	9.94"	H05466
B51599	25	3	3600	1-1/4"	10.18"	L06115
B51599S	25	3	3600	1-1/4"	10.18"	H05467



Item No.	Part Description	Part Number
1	Case, Volute	L03093
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S12475
71	Bracket	See Table II
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (4 Req.)	S26914
800B	Capscrew, 1/2 - 13 x 1" (8 Req.)	S26912
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03637	8-1/2"	1-1/4"	254JP
25	3	L03637	8-1/2"	1-1/4"	256JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# BERKELEY® B1-1/2EPLS

# Bronze Impeller

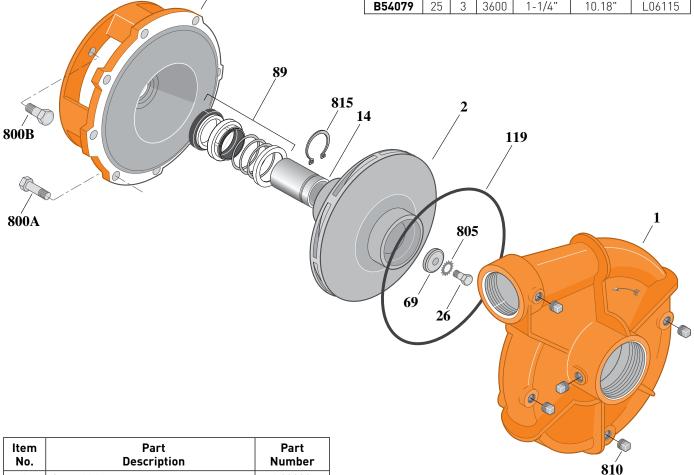
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section	CC					
Page	60.2					
Date	March 4, 2013					
Supersedes 01/01/04						

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54078	20	3	3600	1-1/4"	9.94"	L06114
B54079	25	3	3600	1-1/4"	10.18"	L06115



Item No.	Part Description	Part Number
1	Case, Volute	L03093
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S12475
71	Bracket	See Table II
89	Seal, Mechanical Shaft	S32015
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe (5 Req.)	S23715
815	Ring, Retaining	S16767

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04616	8-1/2"	1-1/4"	254JM
25	3	L04616	8-1/2"	1-1/4"	256JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B1-1/2EPL Silicon Bronze Impeller

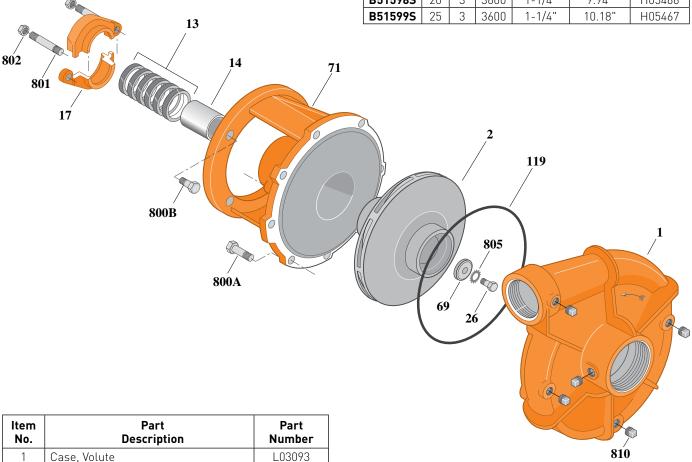
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

Section	CC				
Page	60.3				
Date	March 4, 2013				
Supersedes 09/01/97					

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51598S	20	3	3600	1-1/4"	9.94"	H05466
B51599S	25	3	3600	1-1/4"	10.18"	H05467



Item No.	Part Description	Part Number
1	Case, Volute	L03093
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149
17	Gland, Packing	S12034
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S12475
71	Bracket	See Table II
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (6 Req.)	S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03637	8-1/2"	1-1/4"	254JP
25	3	L03637	8-1/2"	1-1/4"	256JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



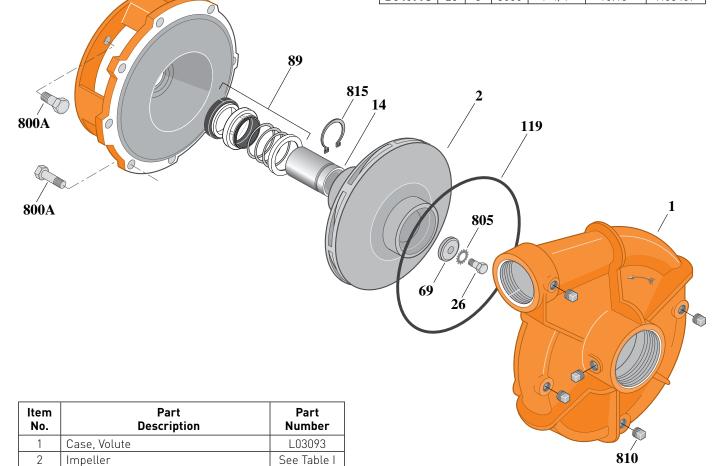
Threaded Case (NPT), Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

Section		CC
Page		60.4
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	Superse	des 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54078S	20	3	3600	1-1/4"	9.94"	H05466
B54079S	25	3	3600	1-1/4"	10.18"	H05467



S18869

S23619

S23677

S12475

See Table II

S32015

S13760

S26912

S23038

S23715

S16767

S23714

1711 0295 A

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04616	8-1/2"	1-1/4"	254JM
25	3	L04616	8-1/2"	1-1/4"	256JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



26

32

69 71

119

800A

805

810

815



Sleeve, Shaft

Bracket

0-Ring

Washer, Lock

Ring, Retaining

Washer, Impeller

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note)

Plug, Pipe 1/4" NPT (6 Req.)

Plug, Pipe 1/8" NPT (In Bracket)

Capscrew, 1/2 - 13 x 1-1/4" (12 Req.)

Seal, Mechanical Shaft

# **BERKELEY**® B2TPM Cast Iron Impeller

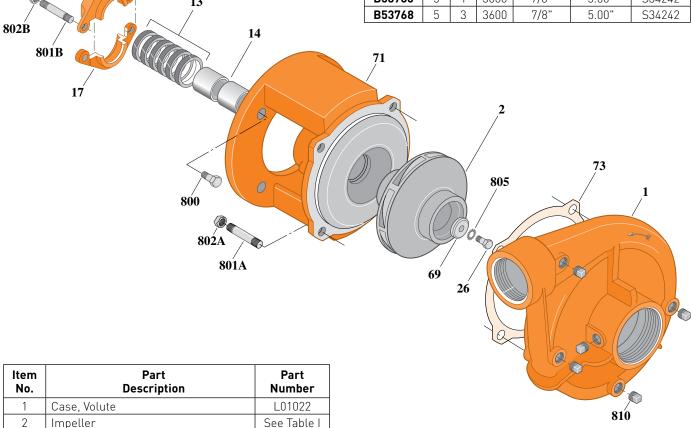
Threaded Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

Section		CC
Page		70.1
Date		March 4, 2013
	Superse	des 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53765	3	1	3600	7/8"	4.25"	S34241
B51603	3	3	3600	7/8"	4.25"	S34241
B53766	5	1	3600	7/8"	5.00"	S34242
B53768	5	3	3600	7/8"	5.00"	S34242



S13469

S00619

B82469

S23566

S34383

S06314

See Table II

S04757

S26825

S24043

S08303

S23107

S23343

S23036

S23715

1720A 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	182JP
3	3	L01525	4-1/2"	7/8"	145JP
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69

71

73

800

801B 802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Req.)

Sleeve, Shaft (2 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

# **BERKELEY**® B2TPM Cast Iron Impeller

802B

801B (7/8 U) 801C (1-1/4 U)

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

14A (7/8 U)

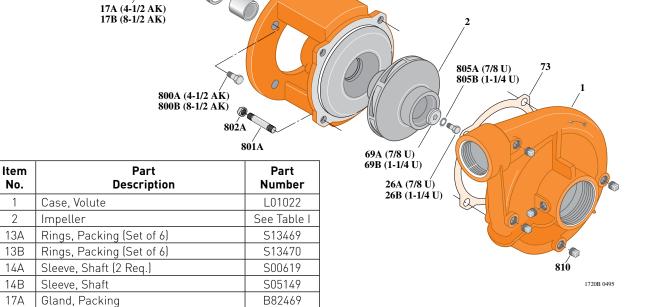
14B (1-1/4 U)

# ELECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53767	7.5	1	3600	1-1/4"	5.62"	S34239
B53769	7.5	3	3600	7/8"	5.62"	S34243
B55576	10	1	3600	1-1/4"	6.18"	S34240
B53770	10	3	3600	1-1/4"	6.18"	S34240



B82470

S23566

S23621

S34383

S23677

S06314

S06317

See Table II

S04757

S26825

S26912

S24043

S08303

S04441

S23107

S23343

S23036

S23038

S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01591	8-1/2"	1-1/4"	215JP
10	3	L01591	8-1/2"	1-1/4"	213JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



17B

26A

26B

32A

32B

69A

69B

71

73

800A

800B

801A

801B

801C

802A 802B

805A

805B

810

Gland, Packing

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Washer, Lock

Bracket

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Req.)

# BERKELEY® B2TPMS

Part

**Description** 

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

**Part** 

Number

L01022

See Table I

S19310

S23566

S34383

S06314

See Table II

S04757 S32014

S26826

S26912

S24043

S23107

S23036

S23715

S11207

# Cast Iron Impeller

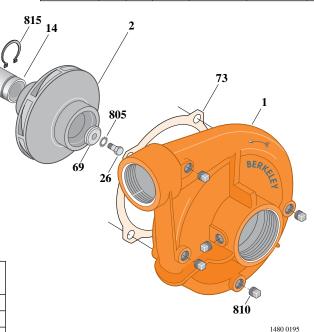
Threaded Case (NPT), Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

Section		CC	
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## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54528	3	1	3600	7/8"	4.25"	S34241
B54533	3	3	3600	7/8"	4.25"	S34241
B54529	5	1	3600	7/8"	5.00"	S34242
B54534	5	3	3600	7/8"	5.00"	S34242
B54530	7.5	1	3600	7/8"	5.62"	S34243
B54535	7.5	3	3600	7/8"	5.62"	S34243
B54648	10	1	3600	7/8"	6.18"	S34279
B54536	10	3	3600	7/8"	6.18"	S34279



_			
Ta	bl	le	Ш

14.50							
PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame			
1	L05329	4-1/2"	7/8"	182JM			
3	L05329	4-1/2"	7/8"	145JM			
1	L05329	4-1/2"	7/8"	184JM			
3	L05329	4-1/2"	7/8"	182JM			
1	L05328	8-1/2"	7/8"	213JM			
3	L05329	4-1/2"	7/8"	184JM			
1	L05328	8-1/2"	7/8"	215JM			
3	L05328	8-1/2"	7/8"	213JM			
	1 3 1 3 1 3 1	1 L05329 3 L05329 1 L05329 3 L05329 1 L05328 3 L05329 1 L05328	1 L05329 4-1/2" 3 L05329 4-1/2" 1 L05329 4-1/2" 3 L05329 4-1/2" 1 L05328 8-1/2" 3 L05329 4-1/2" 1 L05328 8-1/2"	1     L05329     4-1/2"     7/8"       3     L05329     4-1/2"     7/8"       1     L05329     4-1/2"     7/8"       3     L05329     4-1/2"     7/8"       1     L05328     8-1/2"     7/8"       3     L05329     4-1/2"     7/8"       1     L05328     8-1/2"     7/8"       1     L05328     8-1/2"     7/8"			

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Item

No.

2

14

26

32

69

71

73

89

800

800

801

802

805

810

815

Case, Volute

Sleeve, Shaft

Washer, Impeller

Seal, Mechanical Shaft

Gasket, Volute

(For 4-1/2 AK)

(For 8-1/2 AK)

Washer, Lock

Ring, Retaining

Nut, 1/2 x 13 (4 Req.)

Impeller

Bracket

# **BERKELEY**® B2TPM Bronze Impeller

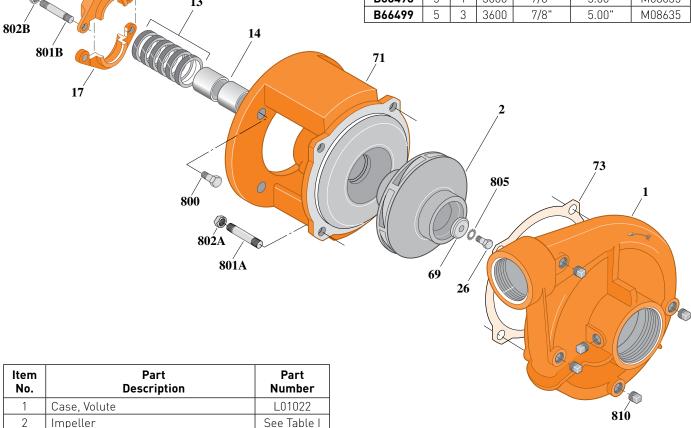
Threaded Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

Section		CC
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	Superse	des 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66494	3	1	3600	7/8"	4.25"	M08634
B66495	3	3	3600	7/8"	4.25"	M08634
B66498	5	1	3600	7/8"	5.00"	M08635
B66499	5	3	3600	7/8"	5.00"	M08635



S13469

S00619

B82469

S23566

S34383

S06314

See Table II

S04757

S26825

S24043

S08303

S23107

S23343

S23036

S23715

1720A 0495

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	182JP
3	3	L01525	4-1/2"	7/8"	145JP
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69 71

73

800

801B

802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Req.)

Sleeve, Shaft (2 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

# **BERKELEY**® B2TPM Bronze Impeller

801B (7/8 U) 801C (1-1/4 U)

> 17A (4-1/2 AK) 17B (8-1/2 AK)

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

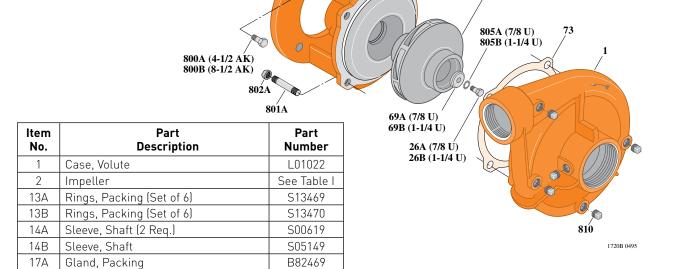
> 14A (7/8 U) 14B (1-1/4 U)

# FLECTRIC MOTOR DRIVE

Section	CC
Page	70.5
Date	March 4, 2013
	Supersedes 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66502	7.5	1	3600	1-1/4"	5.62"	M08632
B66505	7.5	3	3600	7/8"	5.62"	M08636
B66508	10	1	3600	1-1/4"	6.18"	M08633
B66509	10	3	3600	1-1/4"	6.18"	M08633



B82470

S23566

S23621

S34383

S23677

S06314

S06317

See Table II

S04757

S26825

S26912

S24043

S08303

S04441

S23107

S23343

S23036

S23038

S23715

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



17B

26A

26B

32A

32B

69A

69B

71

73

800A

800B

801A

801B

801C

802A

802B

805A

805B

810

Gland, Packing

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Washer, Lock

Bracket

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Req.)

# **BERKELEY**® B2TPMS

Part

**Description** 

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Part

Number

L01022

See Table I

S19310

S23566

S34383

S06314

See Table II

S04757 S32014

S26826

S26912

S24043

S23107

S23036

S23715

S11207

# Bronze Impeller

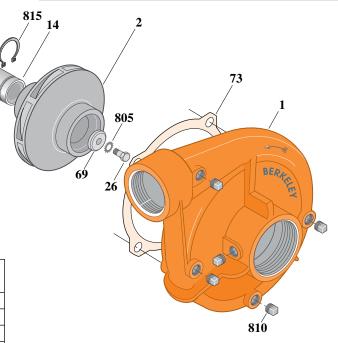
Threaded Case (NPT), Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

Section		CC		
Page		70.6		
Date		March 4, 2013		
Supersedes 01/01/04				

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66496	3	1	3600	7/8"	4.25"	M08634
B66497	3	3	3600	7/8"	4.25"	M08634
B66500	5	1	3600	7/8"	5.00"	M08635
B66501	5	3	3600	7/8"	5.00"	M08635
B66506	7.5	1	3600	7/8"	5.62"	M08636
B66507	7.5	3	3600	7/8"	5.62"	M08636
B66510	10	1	3600	7/8"	6.18"	M08637
B66511	10	3	3600	7/8"	6.18"	M08637



1480 0195

#### Table II

PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	L05329	4-1/2"	7/8"	182JM
3	L05329	4-1/2"	7/8"	145JM
1	L05329	4-1/2"	7/8"	184JM
3	L05329	4-1/2"	7/8"	182JM
1	L05328	8-1/2"	7/8"	213JM
3	L05329	4-1/2"	7/8"	184JM
1	L05328	8-1/2"	7/8"	215JM
3	L05328	8-1/2"	7/8"	213JM
	1 3 1 3 1 3	1 L05329 3 L05329 1 L05329 3 L05329 1 L05328 3 L05329 1 L05328	1 L05329 4-1/2" 3 L05329 4-1/2" 1 L05329 4-1/2" 3 L05329 4-1/2" 1 L05328 8-1/2" 3 L05329 4-1/2" 1 L05328 8-1/2"	1 L05329 4-1/2" 7/8" 3 L05329 4-1/2" 7/8" 1 L05329 4-1/2" 7/8" 3 L05329 4-1/2" 7/8" 1 L05328 8-1/2" 7/8" 3 L05329 4-1/2" 7/8" 1 L05328 8-1/2" 7/8" 1 L05328 8-1/2" 7/8"

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Item

No.

2

14 26

32

69

71

73

89

800

800

801

802

805

810

Case, Volute

Sleeve, Shaft

Washer, Impeller

Seal, Mechanical Shaft

Nut, 1/2 x 13 (4 Req.)

Gasket, Volute

(For 4-1/2 AK)

(For 8-1/2 AK)

Washer, Lock

Ring, Retaining

Impeller

Bracket

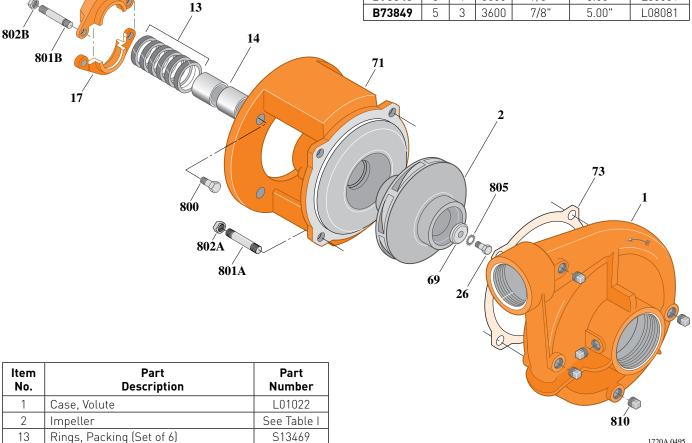
Threaded Case (NPT), Packing Construction

# FLECTRIC MOTOR DRIVE

Section	CC
Page	70.7
Date	March 4, 2013
	Supersedes 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73843	3	1	3600	7/8"	4.25"	L08080
B73844	3	3	3600	7/8"	4.25"	L08080
B73848	5	1	3600	7/8"	5.00"	L08081
B73849	5	3	3600	7/8"	5.00"	L08081



S00619

B82469

S23568

S34383

S06314

See Table II

S04757

S26825

S24043

S08303

S23107

S23343

S23036

S23715

1720A 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	182JP
3	3	L01525	4-1/2"	7/8"	145JP
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



14

17

26

32

69

71

73

800

801B 802A

802B

805

Sleeve, Shaft (2 Req.)

Screw, Impeller 3/8 - 16 x 1-1/4"

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (5 Req.)

Key, 3/16 x 1-1/4" (See Note)

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

802B

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

14A (7/8 U)

14B (1-1/4 U)

B82470

S23566

S23621

S34383

S23677

S06314

S06317

See Table II

S04757

S26825

S26912

S24043

S08303

S04441

S23107

S23343

S23036

S23038

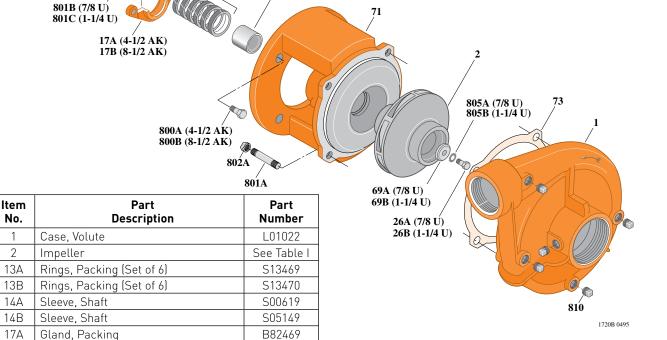
S23715

# FLECTRIC MOTOR DRIVE

Section	CC
Page	70.8
Date	March 4, 2013
	Supersedes 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73853	7.5	1	3600	1-1/4"	5.62"	L08078
B73857	7.5	3	3600	7/8"	5.62"	L08082
B73861	10	1	3600	1-1/4"	6.18"	L08079
B73862	10	3	3600	1-1/4"	6.18"	L08079



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



17B

26A

26B

32A

32B

69A

69B

71

73

A008

800B

801A

801B

801C

802A

802B

805A

805B

Gland, Packing

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Washer, Lock

Bracket

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (5 Req.)

293 WRIGHT STREET, DELAVAN, WI 53115 WWW.berkeleypumps.COM PH: 888-237-5353 ORDERS FAX: 800-321-8793

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Threaded Case (NPT), Mechanical Shaft Seal Construction

Part

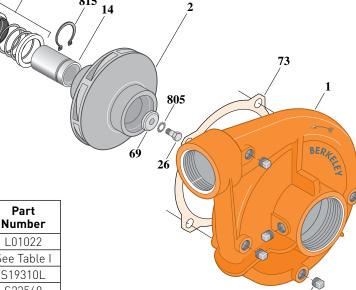
S23714

## FLECTRIC MOTOR DRIVE

Section		CC		
Page		70.9		
Date		March 4, 2013		
Supersedes 01/01/04				

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73864	3	1	3600	7/8"	4.25"	L08080
B73865	3	3	3600	7/8"	4.25"	L08080
B73867	5	1	3600	7/8"	5.00"	L08081
B73868	5	3	3600	7/8"	5.00"	L08081
B73870	7.5	1	3600	7/8"	5.62"	L08082
B73872	7.5	3	3600	7/8"	5.62"	L08082
B73876	10	1	3600	7/8"	6.18"	L08083
B73877	10	3	3600	7/8"	6.18"	L08083



1480 0195

810

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	182JM
3	3	L05329	4-1/2"	7/8"	145JM
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



Plug, Pipe 1/8" NPT (In Bracket)

Part

**Description** 

• Not illustrated.

Item

No.

Case, Volute

Flanged Case, Packing Construction

# ELECTRIC MOTOR DRIVE

Section	CC
Page	70.10
Date	March 4, 2013
	Supersedes 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74443	3	1	3600	7/8"	4.25"	L08080
B74444	3	3	3600	7/8"	4.25"	L08080
B74447	5	1	3600	7/8"	5.00"	L08081
B74448	5	3	3600	7/8"	5.00"	L08081

Table II

"U" Dim.

7/8

7/8"

7/8"

7/8"

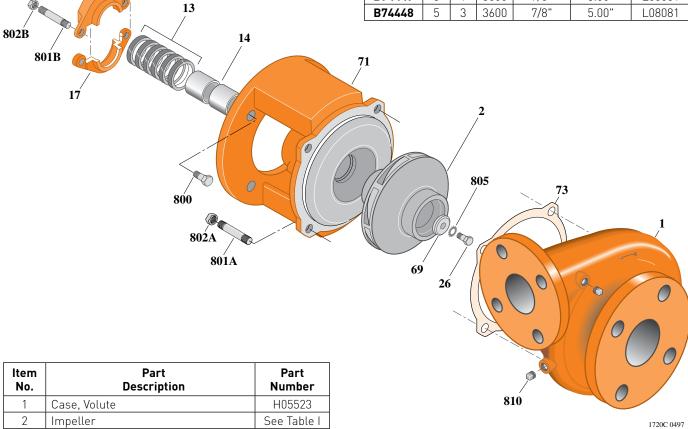
"AK" Fit

4-1/2

4-1/2

4-1/2"

4-1/2"



S13469

S08303

	, , , , , , , , , , , , , , , , , , ,	
	Sleeve, Shaft (2 Req.)	S00619
	Gland, Packing	B82469
	Screw, Impeller 3/8 - 16 x 1-1/4"	S23568
	Key, 3/16 x 1-1/4" (See Note)	S34383
	Washer, Impeller	S06314
	Bracket	See Table II
	Gasket, Volute	S04757
	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
\	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043

Rings, Packing (Set of 6)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)	S23107					,	
Nut, Hex 3/8 - 16 (2 Req.)	S23343	NOTE	·		4 4 1 - 4 - 1		4
Washer, Lock	S23036						terial found on o <b>Supplement A</b>
Plug, Pipe 1/4" NPT (4 Req.)	S23715			the beginning			5 Supplement A
				J .	,		

ΗP

3

3

5

5

PΗ

3

1

3



13

73

800

801A

801B

802A 802B

805

810

Bracket No.

L01525

L01525

L01525

L01525

**Motor Frame** 

182JP

145JP

184JP

182JP

13A (7/8 U) 13B (1-1/4 U)

14A (7/8 U)

14B (1-1/4 Ú)

Flanged Case, Packing Construction

802B

801B (7/8 U) 801C (1-1/4 U)

17B

26A

26B

32A

32B

69A

69B

73

A008

800B

801A

801B

802A 802B

805A

805B

Gland, Packing

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Washer, Lock

Bracket

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (4 Req.)

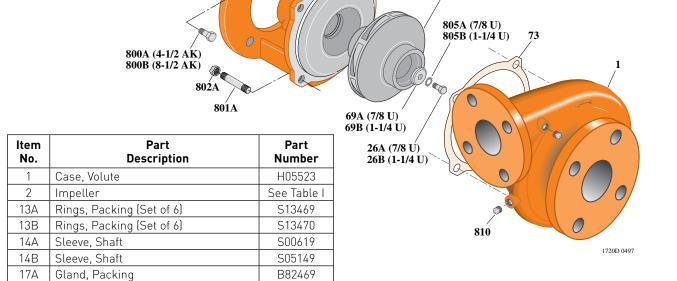
17A (4-1/2 AK) 17B (8-1/2 AK)

# FLECTRIC MOTOR DRIVE

Section	CC				
Page	70.11				
Date	March 4, 2013				
Supersedes 01/01/04					

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74451	7.5	1	3600	1-1/4"	5.62"	L08078
B74454	7.5	3	3600	7/8"	5.62"	L08082
B74457	10	1	3600	1-1/4"	6.18"	L08079
B74458	10	3	3600	1-1/4"	6.18"	L08079



B82470

S23566

S23621

S34383

S23677

S06314

S06317

See Table II

S04757

S26825

S26912

S24043

S08303

S04441

S23107

S23343

S23036

S23038

S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



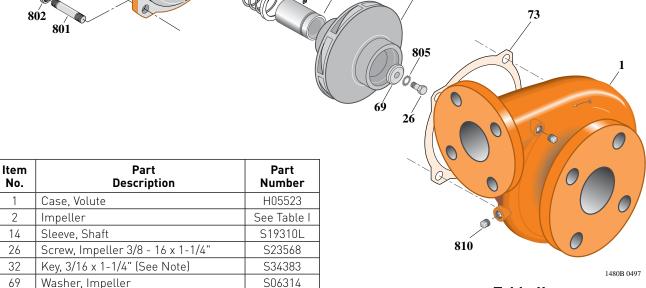
Flanged Case, Mechanical Shaft Seal Construction

## FLECTRIC MOTOR DRIVE

Section	CC					
Page	70.12					
Date	March 4, 2013					
Supersedes 01/01/04						

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74460	3	1	3600	7/8"	4.25"	L08080
B74461	3	3	3600	7/8"	4.25"	L08080
B74463	5	1	3600	7/8"	5.00"	L08081
B74464	5	3	3600	7/8"	5.00"	L08081
B74466	7.5	1	3600	7/8"	5.62"	L08082
B74468	7.5	3	3600	7/8"	5.62"	L08082
B74471	10	1	3600	7/8"	6.18"	L08083
B74472	10	3	3600	7/8"	6.18"	L08083



See Table II

S04757

S32014

S26826

S26912

S24043

S23107

S23036

S23715

S11207

S23714

815

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8""	182JM
3	3	L05329	4-1/2"	7/8"	145JM
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



No.

14

26

32

69

71

73

89

800

800

801

802

805

810

815

Bracket

Gasket, Volute

(For 4-1/2 AK)

(For 8-1/2 AK)

Washer, Lock

Ring, Retaining

Nut, 1/2 x 13 (4 Req.)

Seal, Mechanical Shaft

Capscrew, 3/8 - 16 x 1" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Reg.)

Plug, Pipe 1/4" NPT (4 Req.)

Plug, Pipe 1/8" NPT (In Bracket)



# **BERKELEY**® B2ZPL Cast Iron Impeller

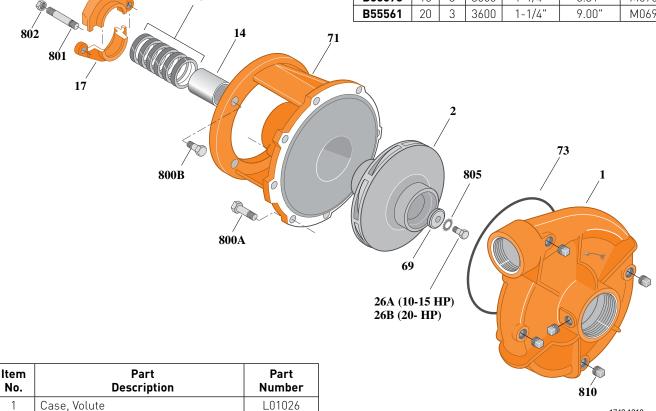
Threaded Case (NPT), Packing Construction

# FLECTRIC MOTOR DRIVE

Section	CC
Page	80.1
Date	March 4, 2013
	Supersedes 07/01/11

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55571	10	1	3600	1-1/4"	7.56"	M07664
B55572	10	3	3600	1-1/4"	7.56"	M07664
B55573	15	3	3600	1-1/4"	8.31"	M07663
B55561	20	3	3600	1-1/4"	9.00"	M06933



See Table I

S13470

S05149L

B82470

S23621

S23619

S23677

S06319

See Table II

M14943

S26826

S26916

S08303

S23343

S23038

S23715

1743 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	213JP
15	3	L03827	8-1/2"	1-1/4"	215JP
20	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



2

13

14

17

26A

26B

32 69

71

73

800A

800B

801

802

805

Impeller

Bracket

Sleeve, Shaft

Gland, Packing

Washer, Impeller

O-Ring (See Note 2)

Rings, Packing (Set of 6)

Screw, Impeller 1/2 -13 x 1-1/4"

Screw, Impeller 1/2 -13 x 1"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8-16 x 4" (2 Req.)

Nut, Hex 3/8 -16 (2 Reg.)

Plug, Pipe 1/4 NPT (5 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Washer, Lock

# **BERKELEY**® B2ZPLS

# Cast Iron Impeller

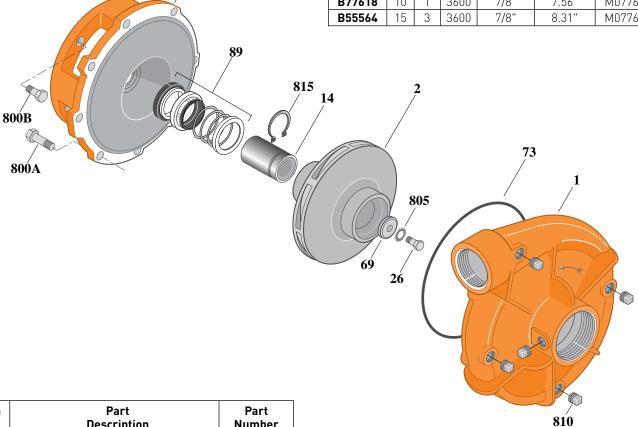
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

Section		CC					
Page		80.2					
Date		March 4, 2013					
	Supersedes 07/01/11						

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55562	10	1	3600	7/8"	7.56"	M07761
B55563	10	3	3600	7/8"	7.56"	M07761
B59742	10	1	3600	7/8"	7.56"	M07761
B77618	10	1	3600	7/8"	7.56"	M07761
B55564	15	3	3600	7/8"	8.31"	M07762



Item No.	Part Description	Part Number
1	Case, Volute	L01026
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	213JM
15	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B2ZPLS

# Cast Iron Impeller

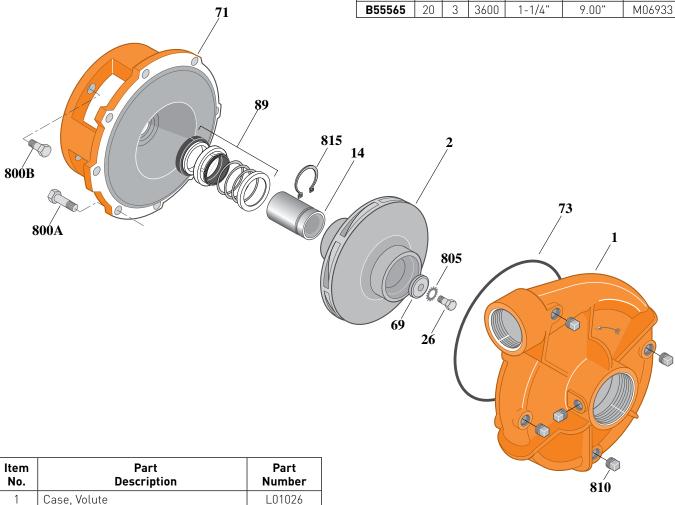
Threaded Case (NPT), Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 07/01/11

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55565	20	3	3600	1-1/4"	9.00"	M06933



See Table I

S18869L

S23619

S23677

S06319

See Table II

M14943

S32015

S26826

S26912

S23038

S23715

S16767

1607 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



2

14

26

32 69

71

73

800A

800B

805

810

815

Impeller

Bracket

Sleeve, Shaft

Washer, Impeller

Washer, Lock

Ring, Retaining

O-Ring (See Note 2)

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

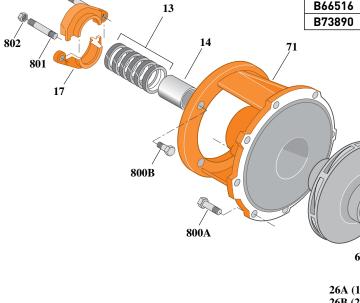
Threaded Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

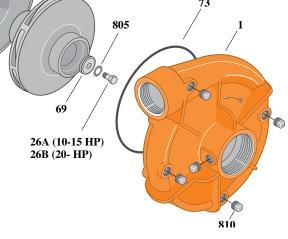
Section		CC
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	Supersedes 07/	'01/11

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66546	10	1	3600	1-1/4"	7.56"	L06638
B73881	10	1	3600	1-1/4"	7.56"	L08073
B66547	10	3	3600	1-1/4"	7.56"	L06638
B73882	10	3	3600	1-1/4"	7.56"	L08073
B66515	15	3	3600	1-1/4"	8.31"	L06637
B73886	15	3	3600	1-1/4"	8.31"	L08074
B66516	20	3	3600	1-1/4"	9.00"	L06664
B73890	20	3	3600	1-1/4"	9.00"	L08075



Item No.	Part Description	Part Number
1	Case, Volute	L01026
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26A	Screw, Impeller 1/2 -13 x 1-1/4"	S23621
26B	Screw, Impeller 1/2 -13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8- 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 -16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715



## Table II

				••	
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	213JP
15	3	L03827	8-1/2"	1-1/4"	215JP
20	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



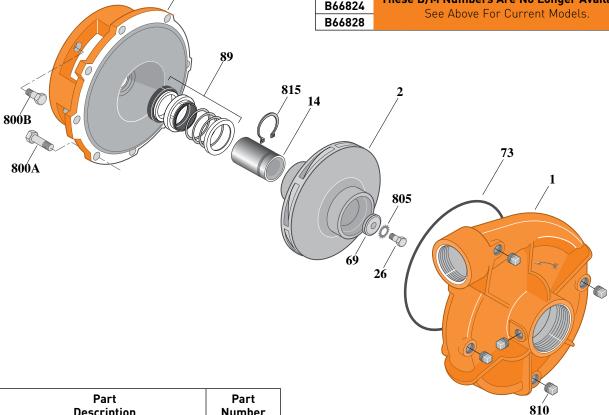
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 07/01/11

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73894	10	1	3600	7/8"	7.56"	L08076
B73895	10	3	3600	7/8"	7.56"	L08076
B73899	15	3	3600	7/8"	8.31"	L08077
B66823	<b>T</b> I		/NA NI			A *1 - 1-1 -
B66824	<b>These B/M Numbers Are No Longer Available.</b> See Above For Current Models.					
B66828			see Abi	ove For Cur	Tent Model	5.



Item No.	Part Description	Part Number
1	Case, Volute	L01026
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	213JM
15	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



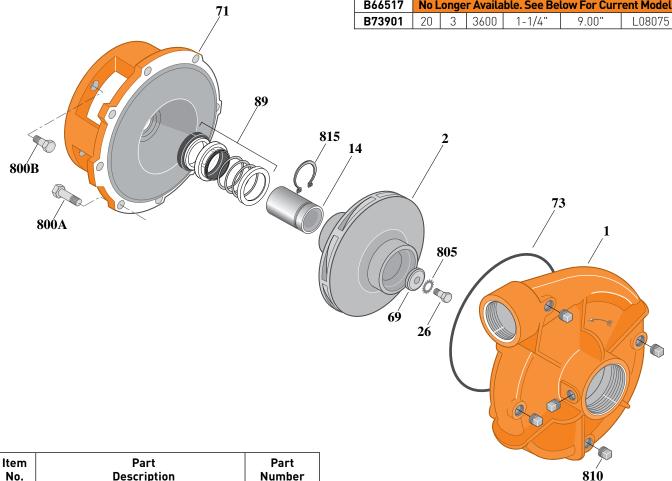
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 07/01/11

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66517	No Longer Available. See Below For Current Mode					ent Model.
B73901	20	3	3600	1-1/4"	9.00"	L08075



S16767

	Desc. ipilon	
1	Case, Volute	L01026
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715

1607 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



Ring, Retaining

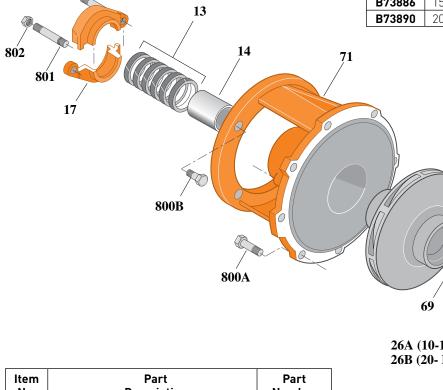
Threaded Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

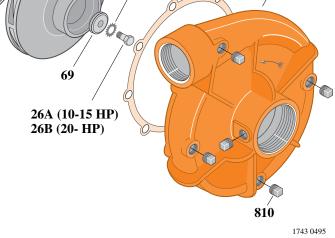
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## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73881	10	1	3600	1-1/4"	7.56"	L08073
B73882	10	3	3600	1-1/4"	7.56"	L08073
B73886	15	3	3600	1-1/4"	8.31"	L08074
B73890	20	3	3600	1-1/4"	9.00"	L08075



Item No.	Part Description	Part Number
1	Case, Volute	L01026
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149
17	Gland, Packing	S12034
26A	Screw, Impeller 1/2 -13 x 1-1/4"	S23621
26B	Screw, Impeller 1/2 -13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S05126
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8- 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 -16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715



805

## Table II

	HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
	10	1	L03827	8-1/2"	1-1/4"	215JP
	10	3	L03827	8-1/2"	1-1/4"	213JP
	15	3	L03827	8-1/2"	1-1/4"	215JP
ſ	20	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



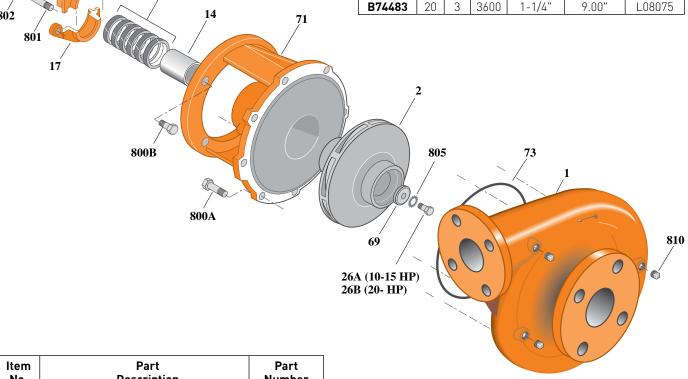
Flanged Case, Packing Construction

# ELECTRIC MOTOR DRIVE

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## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74476	10	1	3600	1-1/4"	7.56"	L08073
B74477	10	3	3600	1-1/4"	7.56"	L08073
B74480	15	3	3600	1-1/4"	8.31"	L08074
B74483	20	3	3600	1-1/4"	9.00"	L08075



Item No.	Part Description	Part Number
1	Case, Volute	H05524
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26A	Screw, Impeller 1/2 -13 x 1-1/4"	S23621
26B	Screw, Impeller 1/2 -13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8- 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 -16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	213JP
15	3	L03827	8-1/2"	1-1/4"	215JP
20	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for 0-ring. See **Supplement E** located at the beginning of this section.



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Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

Section		CC
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71				T	able I		
/-	B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
	B73894	10	1	3600	7/8"	7.56"	L08076
	B73895	10	3	3600	7/8"	7.56"	L08076
	B73899	15	3	3600	7/8"	8.31"	L08077
89 815	1	/	2				

Item No.	Part Description	Part Number
1	Case, Volute	L01026
2	Impeller	See Table I
14	Sleeve, Shaft	S19310
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

S23714

Plug, Pipe 1/8" NPT (In Bracket)

• Not illustrated.

800A

805	
	810
	1497 0195

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	213JM
15	3	L05331	8-1/2"	7/8"	215JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



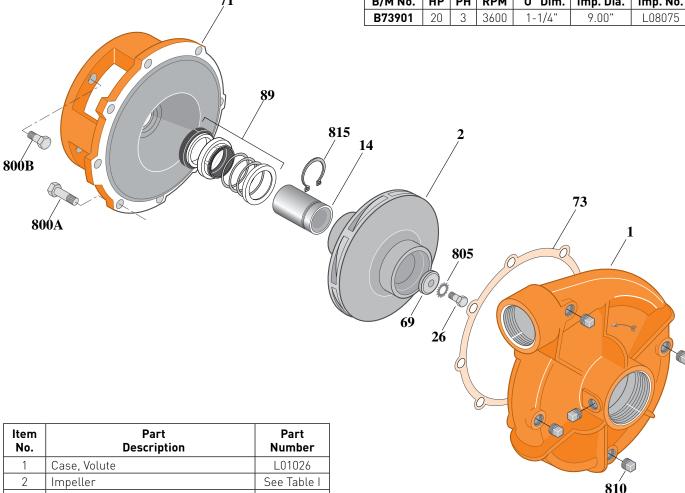
Threaded Case (NPT), Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

Section	CC	
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## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73901	20	3	3600	1-1/4"	9.00"	L08075



S18869

S23619

S23677

S06319

See Table II

S05126

S32015

S26826

S26912

S23038

S23715

S16767

S23714

1607 0195

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.





Sleeve, Shaft

Bracket

Washer, Impeller

Seal, Mechanical Shaft

Gasket, Volute

Washer, Lock

Ring, Retaining

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/8" NPT (In Bracket)

Plug, Pipe 1/4" NPT (5 Req.)

14

26

32

69

71

73

800A

800B

805

810

815

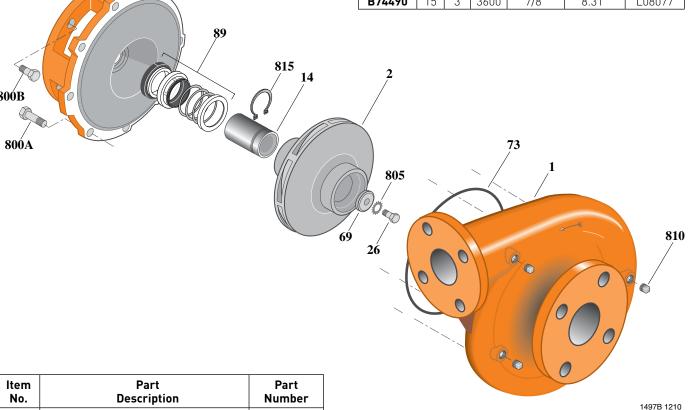
Flanged Case, Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

Section		CC
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## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74486	10	1	3600	7/8"	7.56"	L08076
B74487	10	3	3600	7/8"	7.56"	L08076
B74490	15	3	3600	7/8"	8.31"	L08077



Item No.	Part Description	Part Number
1	Case, Volute	H05524
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	213JM
15	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

NOTE 3: For seal flush line details, see Supplement D.



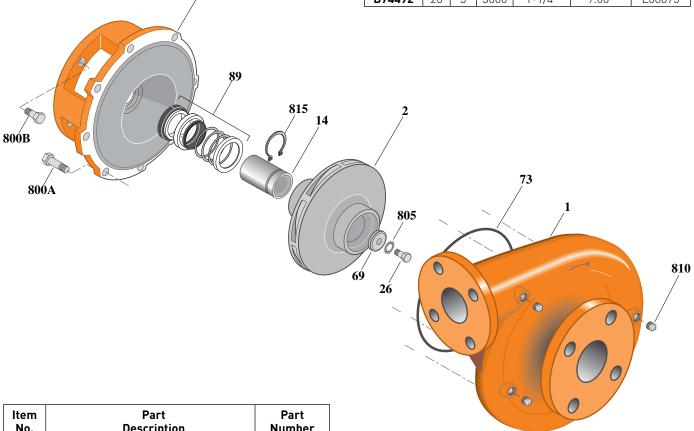
Flanged Case, Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

Section		CC
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## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74492	20	3	3600	1-1/4"	9.00"	L08075



Item No.	Part Description	Part Number
1	Case, Volute	H05524
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

NOTE 3: For seal flush line details, see Supplement D.



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# **BERKELEY**® B2ZPH Cast Iron Impeller

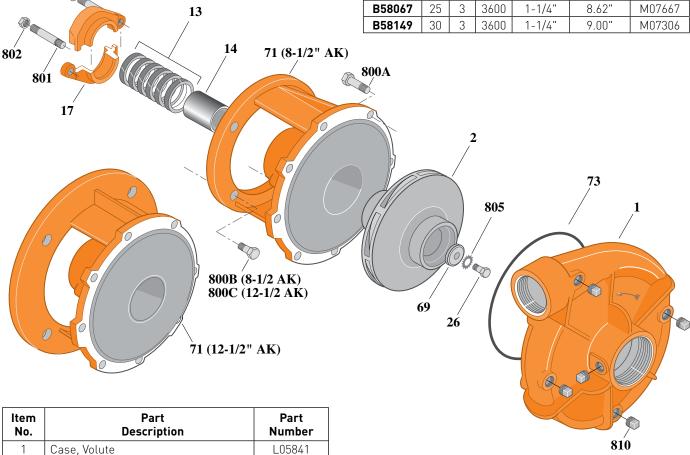
Threaded Case (NPT), Packing Construction

## FLECTRIC MOTOR DRIVE

Section		CC
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## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58067	25	3	3600	1-1/4"	8.62"	M07667
B58149	30	3	3600	1-1/4"	9.00"	M07306



See Table I

Rings, Packing (Set of 6) S13470 13 14 Sleeve, Shaft S05149L 17 Gland, Packing B82470 26 Screw, Impeller 1/2 - 13 x 1" S23619 Key, 1/4 x 2-1/4" (See Note 1) 32 S23677 Washer, Impeller 69 S06319 71 Bracket See Table II

73 O-Ring (See Note 2) M14943 Capscrew, 3/8 - 16 x 1" (8 Req.) 800A S26826 Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) 800B S26916 800C Capscrew, 5/8 - 11 x 1-1/2" (4 Req.) S26999 801 Stud, 3/8 - 16 x 4" (2 Req.) S08303 Nut, Hex 3/8 - 16 (2 Req.) 802 S23343 805 Washer, Lock S23038 Plug, Pipe 1/4 NPT (5 Req.) S23175

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to  ${\bf Supplement}\;{\bf A}$ located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



2

Impeller

1744 1210

# **BERKELEY**® B2ZPHS Cast Iron Impeller

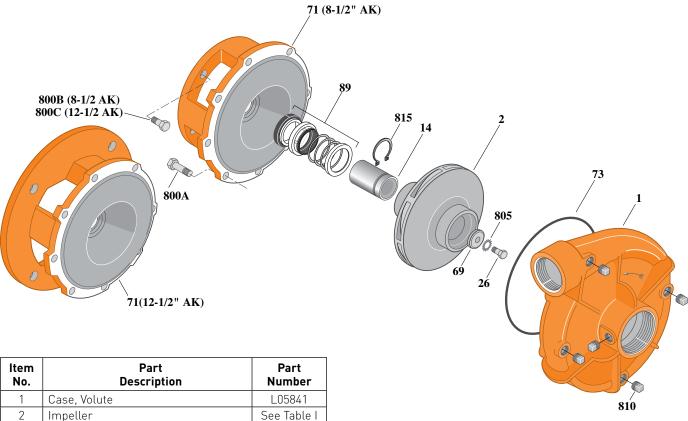
Threaded Case (NPT), Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

Section	CC				
Page	90.2				
Date	March 4, 2013				
Supersedes 07/01/11					

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58068	25	3	3600	1-1/4"	8.62"	M07667
B58069	30	3	3600	1-1/4"	9.00"	M07306



S18869L

S23619

S23677

S06319

See Table II

M14943

S32015

S26826

S26912

S26997

S23038

S23715

S16767

## Table II

	HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
ĺ	25	3	L04615	8-1/2"	1-1/4"	256JM
	30	3	L04627	12-1/2"	1-1/4"	284JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



Sleeve, Shaft

Bracket

Washer, Impeller

(For 8-1/2 AK)

(For 12-1/2 AK)

Ring, Retaining

Washer, Lock

O-Ring (See Note 2)

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Capscrew, 5/8 - 11 x 1-1/4" (4 Req.)

14

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32

69

71

73

800A

800B

800B

805

810

815

# **BERKELEY**® B2ZPHS Cast Iron Impeller

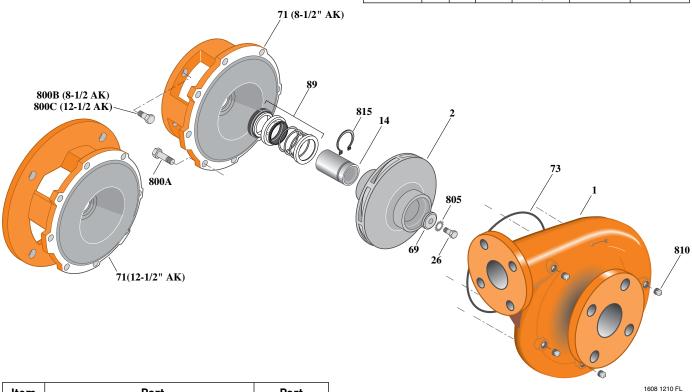
Flanged Case, Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

Section		CC
Page		90.3
Date		March 4, 2013
	Superse	des 07/01/11

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76253	25	3	3600	1-1/4"	8.62"	M07667
B76304	30	3	3600	1-1/4"	9.00"	M07306



Item No.	Part Description	Part Number
1	Case, Volute	H05543
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S16767

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B2EPBL Cast Iron Impeller

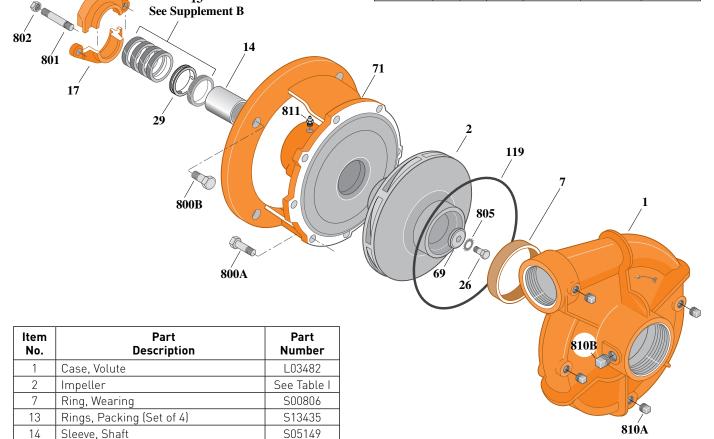
Threaded Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

Section		CC
Page		100.1
Date		March 4, 2013
	Supersedes	01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53790	30	3	3600	1-1/4"	9.25"	M07696
B53791	40	3	3600	1-1/4"	9.94"	M05060



B82470

S23621

S19200

S23677

S06319

See Table II

S13760

S26914

S26999

S04438

S23343

S23038

S23715

S23717

S23700

1754 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L03712	12-1/2"	1-1/4"	284JP
40	3	L03712	12-1/2"	1-1/4"	286JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



17

26

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32

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119

800A

800B

802 805

810A

810B

Gland, Packing

Ring, Lantern

Washer, Lock

Fitting, Grease

Plug, Pipe 1/2 NPT

Bracket

0-Ring

Washer, Impeller

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

# BERKELEY® B2EPBLS

# Cast Iron Impeller

**Part** 

**Description** 

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/4" (4 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

Threaded Case (NPT), Mechanical Shaft Seal Construction

801

115

Part

Number

L03482

See Table I

S00806

S18869

S23621

S23677

S06319

See Table II

S09943

S32015

S19262

S13760

S26914

S26999

S23994

S23103

S23038

S23715

S23717

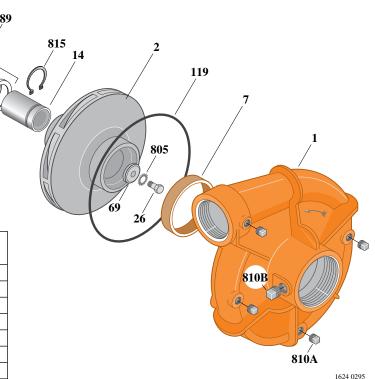
S16767

# FLECTRIC MOTOR DRIVE

Section		CC
Page		100.2
Date		March 4, 2013
	Supersedes	s 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54084	30	3	3600	1-1/4"	9.25"	M07696
B54085	40	3	3600	1-1/4"	9.94"	M05060



## Table II

HP	PH	Bracket No.	acket No. "AK" Fit   "U" Dim.		Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



800B

800A

Item No.

2

7

14

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73

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115

119

800A

800B

802

805

810A

810B

815

Case, Volute

Ring, Wearing

Sleeve, Shaft

Washer, Impeller

Ring, Balance

Washer, Lock

Gasket, Balance Ring

Nut, 3/8 - 16 (4 Req.)

Plug, Pipe 1/2 NPT

Ring, Retaining

Seal, Mechanical Shaft

Impeller

Bracket

0-Ring

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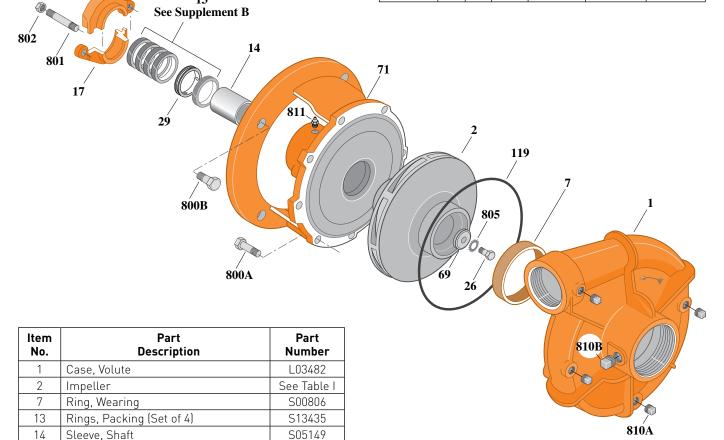
Threaded Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

Section		CC
Page		100.3
Date		March 4, 2013
	Superse	des 09/01/95

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74329	30	3	3600	1-1/4"	9.25"	M10990
B74333	40	3	3600	1-1/4"	9.94"	M10989



S12034

S23621

S19200

S23677

S06319

See Table II

S13760

S26914

S26999

S04438

S23343

S23038

S23715

S23717

S23700

1754 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L03712	12-1/2"	1-1/4"	284JP
40	3	L03712	12-1/2"	1-1/4"	286JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



17

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119

800A

800B

802 805

810A

810B

Gland, Packing

Ring, Lantern

Washer, Lock

Fitting, Grease

Plug, Pipe 1/2 NPT

Bracket

0-Ring

Washer, Impeller

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

Threaded Case (NPT), Mechanical Shaft Seal Construction

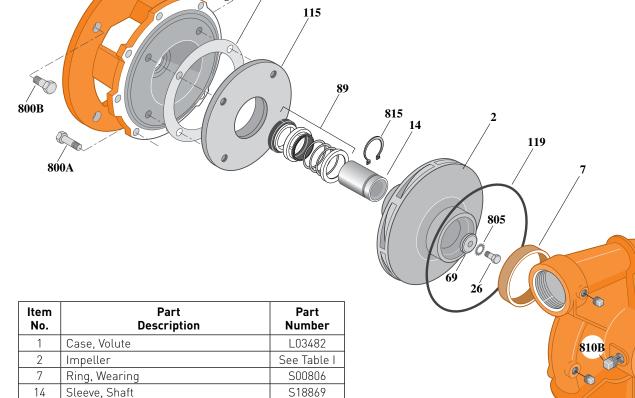
801

# FLECTRIC MOTOR DRIVE

Section		CC
Page		100.4
Date		March 4, 2013
	Supersed	des 09/01/95

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74337	30	3	3600	1-1/4"	9.25"	M10990
B74341	40	3	3600	1-1/4"	9.94"	M10989



S23621

S23677

S06319

See Table II

S09943

S32015

S19262

S13760

S26914

S26999

S23994

S23103

S23038

S23715

S23717

S16767

1624 0295

810A

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



26

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115

119

800A

800B

802

805

810A

810B

815

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/4" (4 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

Washer, Impeller

Ring, Balance

Washer, Lock

Gasket, Balance Ring

Nut, 3/8 - 16 (4 Req.)

Plug, Pipe 1/2 NPT

Ring, Retaining

Seal, Mechanical Shaft

Bracket

0-Ring

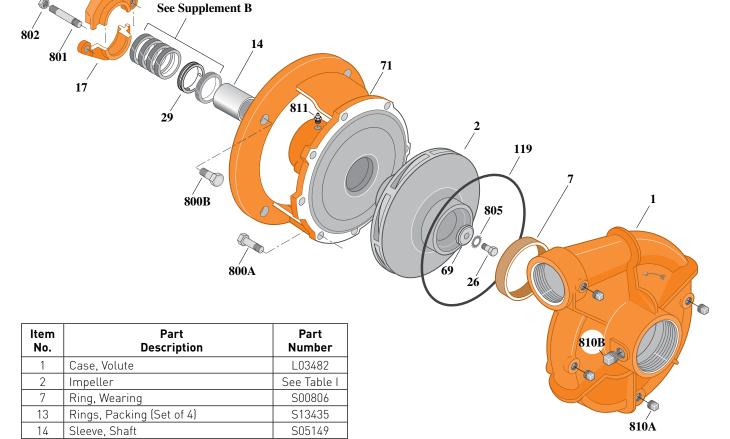
Threaded Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

Section		CC
Page		100.5
Date		March 4, 2013
	Supersed	es 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74329	30	3	3600	1-1/4"	9.25"	M10990
B74333	40	3	3600	1-1/4"	9.94"	M10989



B82470

S23621

S19200

S23677

S06319

See Table II

S13760

S26914

S26999

S04438

S23343

S23038

S23715

S23717

S23700

1754 0495

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L03712	12-1/2"	1-1/4"	284JP
40	3	L03712	12-1/2"	1-1/4"	286JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



17

26

29

69

71

119

800A

800B

802 805

810A

810B

Gland, Packing

Ring, Lantern

Washer, Lock

Fitting, Grease

Plug, Pipe 1/2" NPT

Bracket

0-Ring

Washer, Impeller

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

Threaded Case (NPT), Mechanical Shaft Seal Construction

801

115

S16767

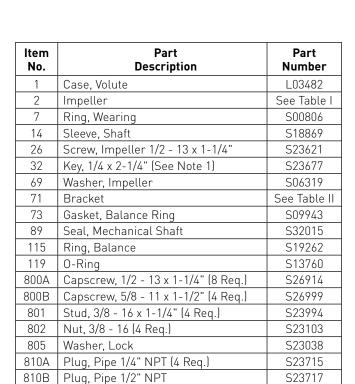
S23714

# FLECTRIC MOTOR DRIVE

Section	CC
Page	100.6
Date	March 4, 2013
	Supersedes 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74337	30	3	3600	1-1/4"	9.25"	M10990
B74341	40	3	3600	1-1/4"	9.94"	M10989

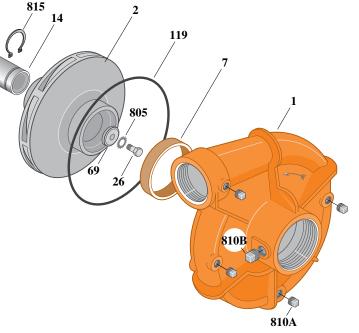


Not illustrated.

815

800B

800A



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



Ring, Retaining

Plug, Pipe 1/8" NPT (In Bracket)

1624 0295

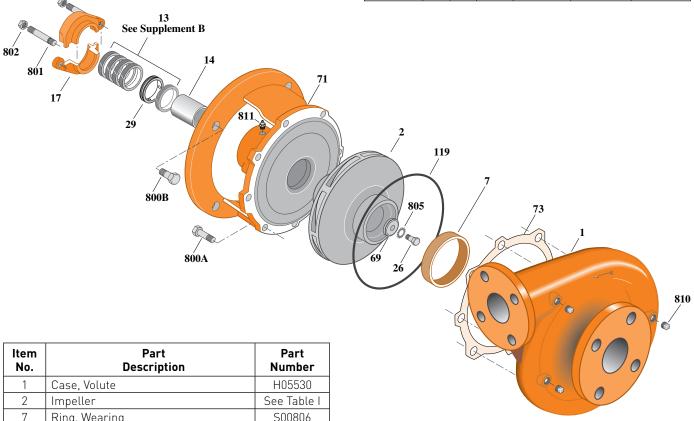
Flanged Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

Section	CC
Page	100.7
Date	March 4, 2013
	Supersedes 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74496	30	3	3600	1-1/4"	9.25"	M10990
B74499	40	3	3600	1-1/4"	9.94"	M10989



Item No.	Part Description	Part Number
1	Case, Volute	H05530
2	Impeller	See Table I
7	Ring, Wearing	S00806
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715
811	Fitting, Grease	S23700

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L03712	12-1/2"	1-1/4"	284JP
40	3	L03712	12-1/2"	1-1/4"	286JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



1754B 0497

Flanged Case, Mechanical Shaft Seal Construction

115

S26999

S23994

S23103

S23038

S23715

S16767

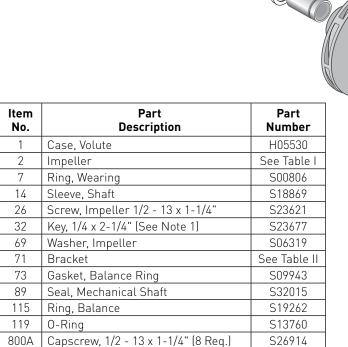
S23714

## FLECTRIC MOTOR DRIVE

Section	CC
Page	100.8
Date	March 4, 2013
	Supersedes 01/01/04

## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74502	30	3	3600	1-1/4"	9.25"	M10990
B74505	40	3	3600	1-1/4"	9.94"	M10989



Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/4" (4 Req.)

Plug, Pipe 1/4" NPT (4 Reg.)

Plug, Pipe 1/8" NPT (In Bracket)

Nut, 3/8 - 16 (4 Req.)

Washer, Lock

Ring, Retaining

<ul> <li>Not illustrated</li> </ul>	
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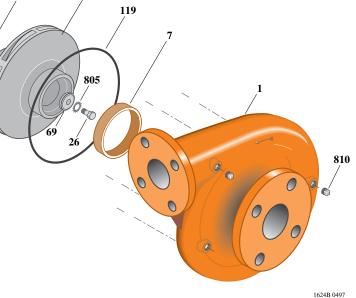
801 802

805

810

815

800A



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



# **BERKELEY**® B2EPBLS Cast Iron Impeller

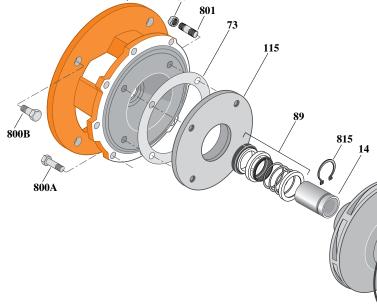
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

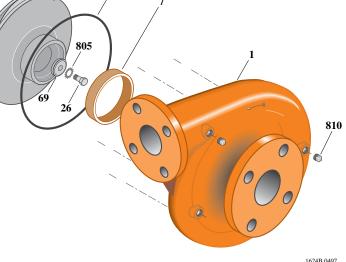
Section		CC
Page		100.9
Date		March 4, 2013
	Superse	des 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76739	30	3	3600	1-1/4"	9.25"	M07696
B77339	40	3	3600	1-1/4"	9.94"	M05060



Item No.	Part Description	Part Number
1	Case, Volute	H05530
2	Impeller	See Table I
7	Ring, Wearing	S00806
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19262
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 1-1/4" (4 Req.)	S23994
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767



119

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L04628	12-1/2"	1-1/4"	284JM
40	3	L04628	12-1/2"	1-1/4"	286JM



# **BERKELEY**® B2EPBHH Cast Iron Impeller

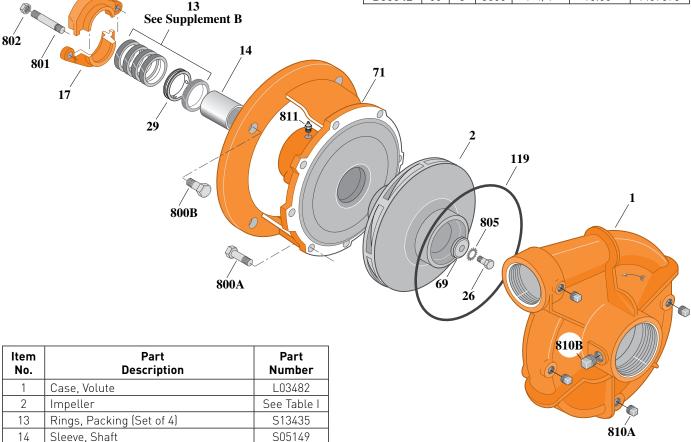
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

Section		CC
Page		110.1
Date		March 4, 2013
	Supersedes 01/01/0	4

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55841	50	3	3600	1-1/4"	9.38"	M07694
B55842	60	3	3600	1-1/4"	10.06"	M07695



B82470

S23621

S19200

S23677

S06319

See Table II

S13760

S26914

S26999

S04483

S23343

S23038

S23715

S23717

S23700

1755 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
50	3	L03712	12-1/2"	1-1/4"	324JP
60	3	L03712	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



17

26

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32

69

71

119

800A

800B

802 805

810A

810B

811

Gland, Packing

Ring, Lantern

Washer, Lock

Fitting, Grease

Plug, Pipe 1/2 NPT

Bracket

0-Ring

Washer, Impeller

Screw, Impeller 1/2 - 13 x 1-1/4"

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

# BERKELEY® B2EPBHHS

# Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

115

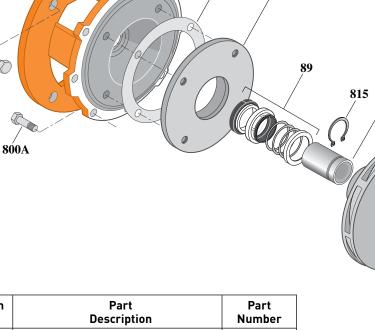
802

## ELECTRIC MOTOR DRIVE

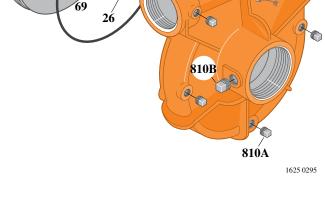
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55843	50	3	3600	1-1/4"	9.38"	M07694
B55844	60	3	3600	1-1/4"	10.06"	M07695



Item No.	Part Description	Part Number
1	Case, Volute	L03482
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Shaft	M10227
115	Ring, Balance	S19262
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 1-1/4" (4 Req.)	S23994
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767



805

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
50	3	L04628	12-1/2"	1-1/4"	324JM
60	3	L04628	12-1/2"	1-1/4"	326JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



800B

# BERKELEY® B2EPBHHS

# Bronze Impeller

800B

Threaded Case (NPT), Mechanical Shaft Seal Construction

802

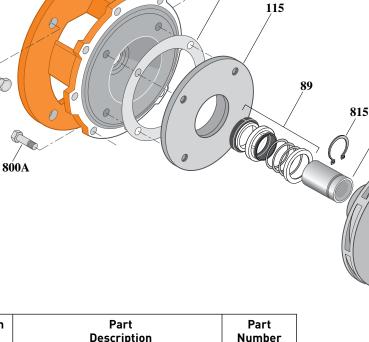
## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B77327	50	3	3600	1-1/4"	9.38"	M11579
B66867S	60	3	3600	1-1/4"	10.06"	L08529

805



Item No.	Part Description	Part Number
1	Case, Volute	L03482
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Shaft	M10227
115	Ring, Balance	S19262
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 1-1/4" (4 Req.)	S23994
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767

# 810A 1625 0295

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
50	3	L04628	12-1/2"	1-1/4"	324JM
60	3	L04628	12-1/2"	1-1/4"	326JM



# **BERKELEY**® B2EPBHHS Bronze Impeller

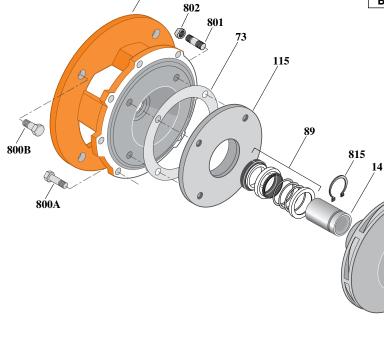
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

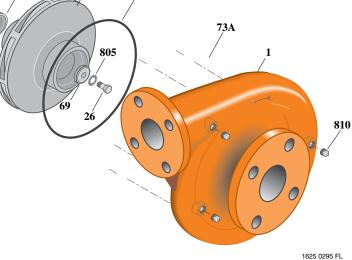
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76791	50	3	3600	1-1/4"	9.38"	M11579
B76792	60	3	3600	1-1/4"	10.06"	L08529



Item No.	Part Description	Part Number
1	Case, Volute	H05530
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Shaft	M10227
115	Ring, Balance	S19262
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 1-1/4" (4 Req.)	S23994
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767



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#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
50	3	L04628	12-1/2"	1-1/4"	324JM
60	3	L04628	12-1/2"	1-1/4"	326JM



# **BERKELEY**® B2-1/2TPM Cast Iron Impeller

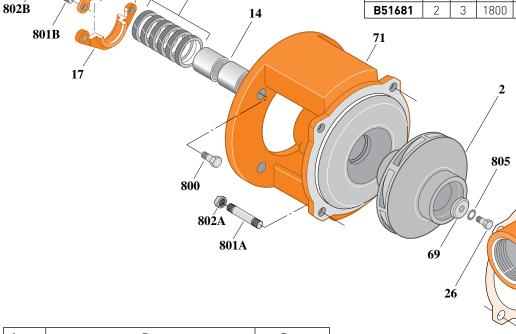
Threaded Case (NPT), Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51676	1	1	1800	7/8"	5.47"	M07644
B51679	1	3	1800	7/8"	5.47"	M07644
B51677	1.5	1	1800	7/8"	6.18"	M07645
B51680	1.5	3	1800	7/8"	6.18"	M07645
B53792	2	1	1800	7/8"	6.50"	M02956
B51681	2	3	1800	7/8"	6.50"	M02956



Item No.	Part Description	Part Number
1	Case, Volute	L01023
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715

#### Table II

810

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L01525	4-1/2"	7/8"	143JP
1	3	L01525	4-1/2"	7/8"	143JP
1.5	1	L01525	4-1/2"	7/8"	145JP
1.5	3	L01525	4-1/2"	7/8"	145JP
2	1	L01525	4-1/2"	7/8"	182JP
2	3	L01525	4-1/2"	7/8"	145JP



# **BERKELEY**® B2-1/2TPM Cast Iron Impeller

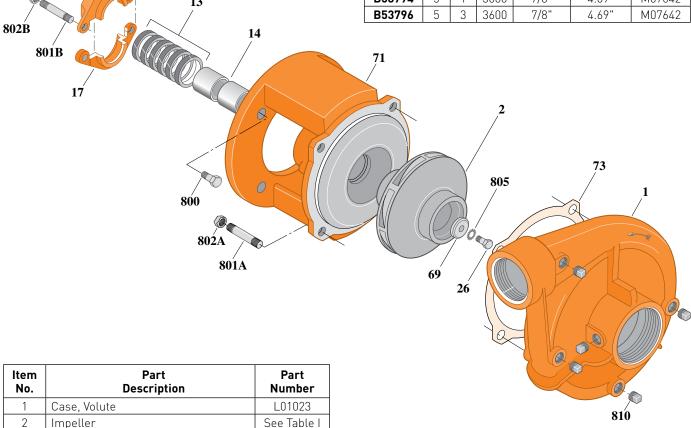
Threaded Case (NPT), Packing Construction

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53793	3	1	3600	7/8"	4.00"	M07641
B51620	3	3	3600	7/8"	4.00"	M07641
B53794	5	1	3600	7/8"	4.69"	M07642
B53796	5	3	3600	7/8"	4.69"	M07642



S13469

S00619

B82469

S23566

S34383

S06314

See Table II

S04757

S26825

S24043

S08303

S23107

S23343

S23036

S23715

1720A 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	182JP
3	3	L01525	4-1/2"	7/8"	145JP
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69

71

73

800

801B 802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Sleeve, Shaft (2 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

# **BERKELEY**® B2-1/2TPM Cast Iron Impeller

Threaded Case (NPT), Packing Construction

802B

801B (7/8 U) 801C (1-1/4 U)

17B (8-1/2 AK)

13A (7/8 U) 13B (1-1/4 U)

14A (7/8 U)

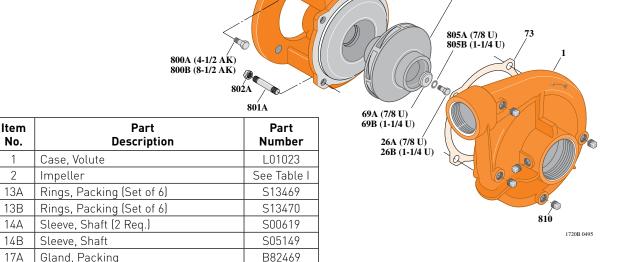
14B (1-1/4 U)

### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53795	7.5	1	3600	1-1/4"	5.25"	M07639
B53797	7.5	3	3600	7/8"	5.25"	M07643
B55577	10	1	3600	1-1/4"	5.69"	M07640
B53798	10	3	3600	1-1/4"	5.69"	M07640
B53799	15	3	3600	1-1/4"	6.50"	M02957



B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

S04757

S26825

S26912

S24043

S08303

S04441

S23107

S23343

S23036

S23038

S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP
15	3	L01951	8-1/2"	1-1/4"	215JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



17B

26A

26B

32A

32B

69A

69B

71

73

A008

800B

801A

801B

801C

802A

802B

805A

805B

810

Gland, Packing

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Washer, Lock

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Reg.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

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# **BERKELEY**® B2-1/2TPMS Cast Iron Impeller

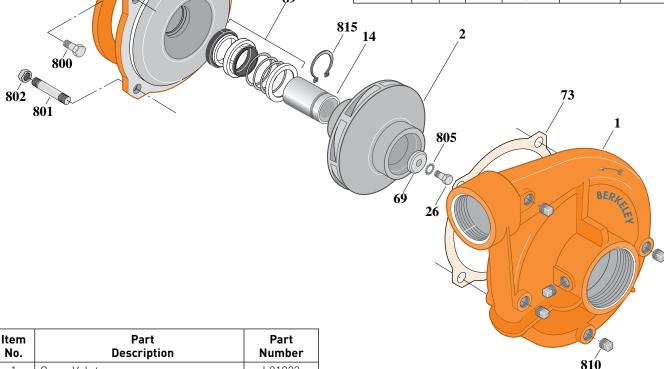
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54559	1	1	1800	7/8"	5.47"	M07644
B54567	1	3	1800	7/8"	5.47"	M07644
B54560	1.5	1	1800	7/8"	6.18"	M07645
B54568	1.5	3	1800	7/8"	6.18"	M07645
B54561	2	1	1800	7/8"	6.50"	M02956
B54569	2	3	1800	7/8"	6.50"	M02956



L01023

See Table I

S19310L

S23566

S34383

S06314

See Table II

S04757

S32014

S26826

S24043

S23107

S23036

S23715

S11207

1480 0195

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L05329	4-1/2"	7/8"	143JM
1	3	L05329	4-1/2"	7/8"	143JM
1.5	1	L05329	4-1/2"	7/8"	145JM
1.5	3	L05329	4-1/2"	7/8"	145JM
2	1	L05329	4-1/2"	7/8"	182JM
2	3	L05329	4-1/2"	7/8"	145JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Case, Volute

Sleeve, Shaft

Washer, Impeller

Seal, Mechanical Shaft

Nut, 1/2 - 13 (4 Req.)

Gasket, Volute

(For 4-1/2 AK)

Washer, Lock

Ring, Retaining

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (4 Reg.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

Impeller

Bracket

14

26

32

69

71

73

89

800

801

802

805

810

815

# **BERKELEY**® B2-1/2TPMS Cast Iron Impeller

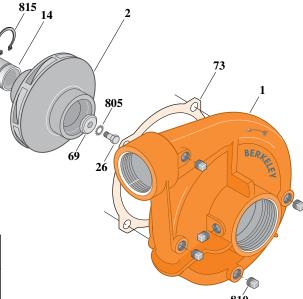
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54562	3	1	3600	7/8"	4.00"	M07641
B54570	3	3	3600	7/8"	4.00"	M07641
B54563	5	1	3600	7/8"	4.69"	M07642
B54571	5	3	3600	7/8"	4.69"	M07642
B54564	7.5	1	3600	7/8"	5.25"	M07643
B54572	7.5	3	3600	7/8"	5.25"	M07643
B54650	10	1	3600	7/8"	5.69"	M07683
B54573	10	3	3600	7/8"	5.69"	M07683
B54574	15	3	3600	7/8"	6.50"	M02956



Item No.	Part Description	Part Number
1	Case, Volute	L01023
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.) [For 4-1/2 AK]	S26826
800	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	182JM
3	3	L05329	4-1/2"	7/8"	145JM
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM

# **BERKELEY**® B2-1/2TPM Bronze Impeller

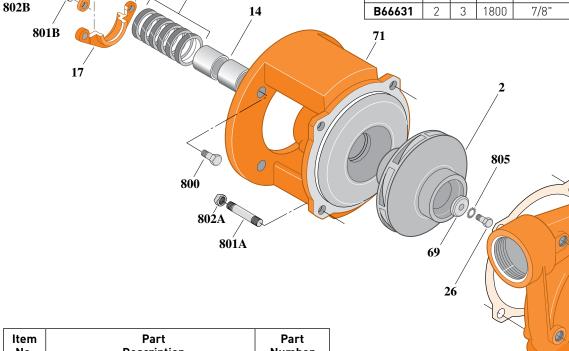
Threaded Case (NPT), Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66614	1	1	1800	7/8"	5.47"	L06628
B66615	1	3	1800	7/8"	5.47"	L06628
B66622	1.5	1	1800	7/8"	6.18"	L06629
B66623	1.5	3	1800	7/8"	6.18"	L06629
B66630	2	1	1800	7/8"	6.50"	L06655
B66631	2	3	1800	7/8"	6.50"	L06655



Item No.	Part Description	Part Number
1	Case, Volute	L01023
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715

#### Table II

810

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L01525	4-1/2"	7/8"	143JP
1	3	L01525	4-1/2"	7/8"	143JP
1.5	1	L01525	4-1/2"	7/8"	145JP
1.5	3	L01525	4-1/2"	7/8"	145JP
2	1	L01525	4-1/2"	7/8"	182JP
2	3	L01525	4-1/2"	7/8"	145JP



# **BERKELEY**® B2-1/2TPM Bronze Impeller

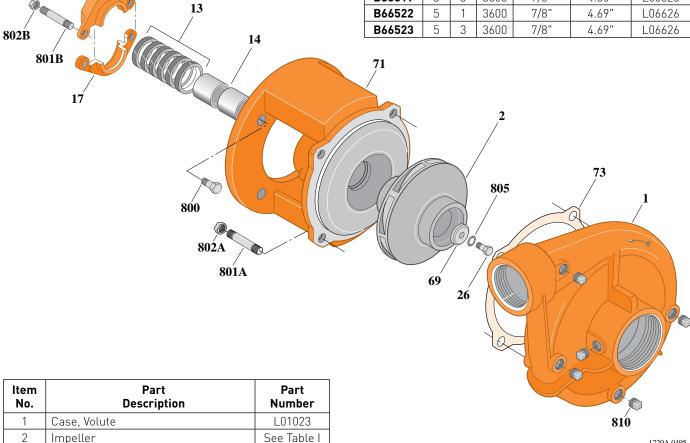
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66518	3	1	3600	7/8"	4.00"	L06625
B66519	3	3	3600	7/8"	4.00"	L06625
B66522	5	1	3600	7/8"	4.69"	L06626
B66523	5	3	3600	7/8"	4.69"	L06626



S08303

S23107

S23343

S23036

S23715

Rings, Packing (Set of 6) S13469 13 14 Sleeve, Shaft (2 Req.) S00619 17 Gland, Packing B82469 26 Screw, Impeller 3/8 - 16 x 1" S23566 Key, 3/16 x 1-1/4" (See Note) 32 S34383 Washer, Impeller S06314 69 71 Bracket See Table II 73 Gasket, Volute S04757 Capscrew, 3/8 - 16 x 7/8" (4 Req.) 800 S26825 Stud, 1/2 - 13 x 1-1/2" (4 Req.) S24043

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	182JP
3	3	L01525	4-1/2"	7/8"	145JP
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



801B

802A

802B

805

Washer, Lock

# **BERKELEY**® B2-1/2TPM Bronze Impeller

Threaded Case (NPT), Packing Construction

802B

ltem

No.

2

13A

13B

14A

14B

17A

17B

26A

26B

32A

32B

69A

69B

71

73

A008

800B

801A

801B

801C

802A

802B

805A

805B

Gland, Packing

Gland, Packing

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Washer, Lock

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

801B (7/8 U) 801C (1-1/4 U) 13A (7/8 U) 13B (1-1/4 U)

14A (7/8 U)

14B (1-1/4 U)

B82469

B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

S04757

S26825

S26912

S24043

S08303

S04441

S23107

S23343

S23036

S23038

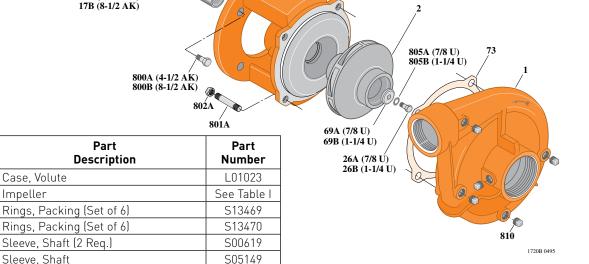
S23715

### FLECTRIC MOTOR DRIVE

Section		CC
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	Supersed	les 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66526	7.5	1	3600	1-1/4"	5.25"	L06623
B66527	7.5	3	3600	7/8"	5.25"	L06627
B66530	10	1	3600	1-1/4"	5.69"	L06624
B66531	10	3	3600	1-1/4"	5.69"	L06624
B66534	15	3	3600	1-1/4"	6.50"	L06656



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP
15	3	L01951	8-1/2"	1-1/4"	215JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



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# **BERKELEY**® B2-1/2TPMS Bronze Impeller

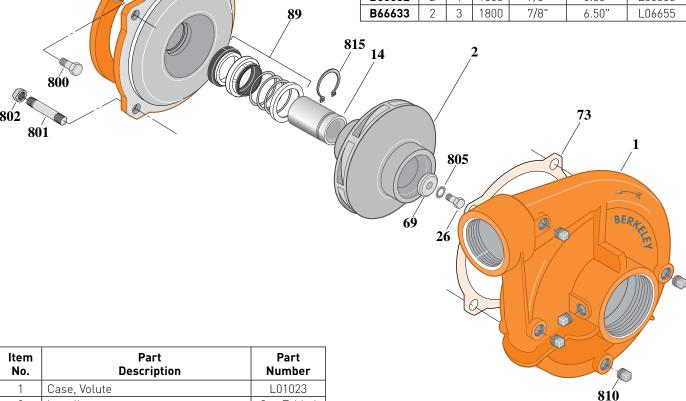
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66616	1	1	1800	7/8"	5.47"	L06628
B66617	1	3	1800	7/8"	5.47"	L06628
B66624	1.5	1	1800	7/8"	6.18"	L06629
B66625	1.5	3	1800	7/8"	6.18"	L06629
B66632	2	1	1800	7/8"	6.50"	L06655
B66633	2	3	1800	7/8"	6.50"	L06655



Item No.	Part Description	Part Number
1	Case, Volute	L01023
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.) [For 4-1/2 AK]	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L05329	4-1/2"	7/8"	143JM
1	3	L05329	4-1/2"	7/8"	143JM
1.5	1	L05329	4-1/2"	7/8"	145JM
1.5	3	L05329	4-1/2"	7/8"	145JM
2	1	L05329	4-1/2"	7/8"	182JM
2	3	L05329	4-1/2"	7/8"	145JM



# **BERKELEY**® B2-1/2TPMS Bronze Impeller

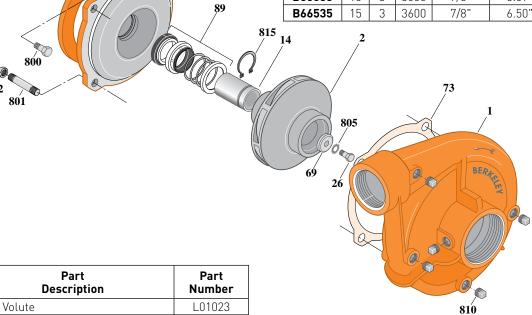
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66520	3	1	3600	7/8"	4.00"	L06625
B66521	3	3	3600	7/8"	4.00"	L06625
B66524	5	1	3600	7/8"	4.69"	L06626
B66525	5	3	3600	7/8"	4.69"	L06626
B66528	7.5	1	3600	7/8"	5.25"	L06627
B66529	7.5	3	3600	7/8"	5.25"	L06627
B66532	10	1	3600	7/8"	5.69"	L06641
B66533	10	3	3600	7/8"	5.69"	L06641
B66535	15	3	3600	7/8"	6.50"	L06655



Item No.	Part Description	Part Number
1	Case, Volute	L01023
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.) (For 4-1/2 AK)	S26826
800	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

				•	
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	182JM
3	3	L05329	4-1/2"	7/8"	145JM
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM

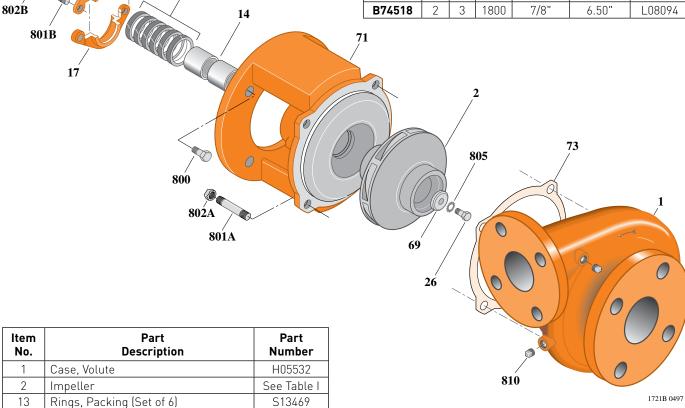
Flanged Case, Packing Construction

### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74509	1	1	1800	7/8"	5.44"	L08091
B74510	1	3	1800	7/8"	5.44"	L08091
B74513	1.5	1	1800	7/8"	6.19"	L08093
B74514	1.5	3	1800	7/8"	6.19"	L08093
B74517	2	1	1800	7/8"	6.50"	L08094
B74518	2	3	1800	7/8"	6.50"	L08094



S00619

B82469

S23566

S34383

S06314

See Table II

S04757

S26825

S24043

S08303

S23107

S23343

S23036

S23715

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L01525	4-1/2"	7/8"	143JP
1	3	L01525	4-1/2"	7/8"	143JP
1.5	1	L01525	4-1/2"	7/8"	145JP
1.5	3	L01525	4-1/2"	7/8"	145JP
2	1	L01525	4-1/2"	7/8"	182JP
2	3	L01525	4-1/2"	7/8"	145JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



14

17

26

32

69 71

73

800

801B

802A

802B

805

Sleeve, Shaft (2 Req.)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (4 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

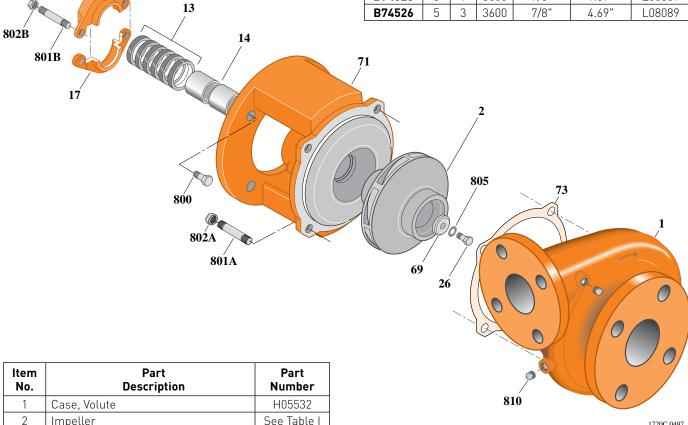
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74521	3	1	3600	7/8"	4.00"	L08088
B74522	3	3	3600	7/8"	4.00"	L08088
B74525	5	1	3600	7/8"	4.69"	L08089
B74526	5	3	3600	7/8"	4.69"	L08089



S23343

S23036

S23715

1720C 0497

_	Impetter	Occ lubic
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	182JP
3	3	L01525	4-1/2"	7/8"	145JP
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



802B

805

Washer, Lock

Nut, Hex 3/8 - 16 (2 Reg.)

Plug, Pipe 1/4" NPT (4 Req.)

13A (7/8 U) 13B (1-1/4 U)

> 14A (7/8 U) 14B (1-1/4 U)

> > B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

S04757

S26825

S26912

S24043

S08303

S04441

S23107

S23343

S23036

S23038

S23715

Flanged Case, Packing Construction

17A (4-1/2 AK) 17B (8-1/2 AK)

801B (7/8 U) 801C (1-1/4 U)

Item

No.

2

13A

13B

14A

14B

17A

17B

26A

26B

32A

32B

69A

69B

73

A008

800B

801A

801B

802A

802B

805A

805B

Gland, Packing

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Washer, Lock

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

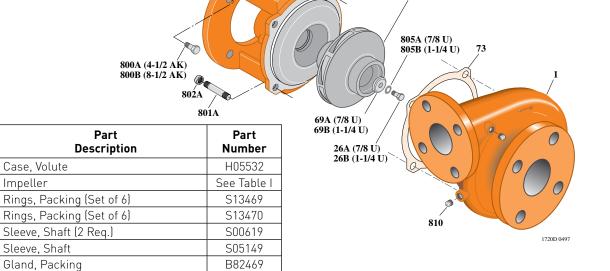
Plug, Pipe 1/4" NPT (4 Req.)

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74529	7.5	1	3600	1-1/4"	5.25"	L08085
B74532	7.5	3	3600	7/8"	5.25"	L08090
B74535	10	1	3600	1-1/4"	5.69"	L08086
B74536	10	3	3600	1-1/4"	5.69"	L08086
B74539	15	3	3600	1-1/4"	6.50"	L08087



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP
15	3	L01951	8-1/2"	1-1/4"	215JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



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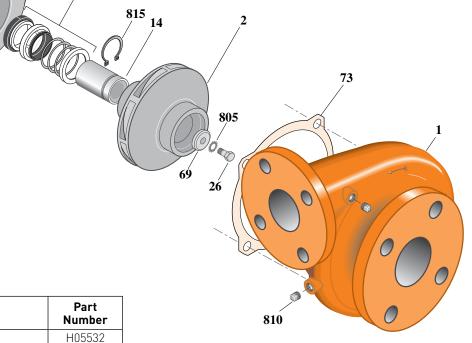
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74541	1	1	1800	7/8"	5.44"	L08091
B74542	1	3	1800	7/8"	5.44"	L08091
B74544	1.5	1	1800	7/8"	6.19"	L08093
B74545	1.5	3	1800	7/8"	6.19"	L08093
B74547	2	1	1800	7/8"	6.50"	L08094
B74548	2	3	1800	7/8"	6.50"	L08094



1480B 0497

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L05329	4-1/2"	7/8"	143JM
1	3	L05329	4-1/2"	7/8"	143JM
1.5	1	L05329	4-1/2"	7/8"	145JM
1.5	3	L05329	4-1/2"	7/8"	145JM
2	1	L05329	4-1/2"	7/8"	182JM
2	3	L05329	4-1/2"	7/8"	145JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.

2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715
815	Ring, Retaining	S11207

S23714

Plug, Pipe 1/8" NPT (In Bracket)

Part

**Description** 

Item

No.

Case, Volute

Not illustrated.

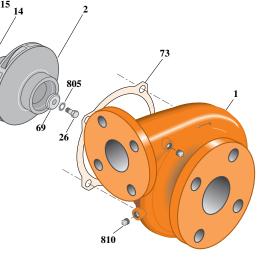
Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74550	3	1	3600	7/8"	4.00"	L08088
B74551	3	3	3600	7/8"	4.00"	L08088
B74553	5	1	3600	7/8"	4.69"	L08089
B74554	5	3	3600	7/8"	4.69"	L08089
B74556	7.5	1	3600	7/8"	5.25"	L08090
B74558	7.5	3	3600	7/8"	5.25"	L08090
B74561	10	1	3600	7/8"	5.69"	L08092
B74562	10	3	3600	7/8"	5.69"	L08092
B74565	15	3	3600	7/8"	6.50"	L08094



1480B 0497

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	182JM
3	3	L05329	4-1/2"	7/8"	145JM
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.

Item No.	Part Description	Part Number
1	Case, Volute	H05532
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.) [For 4-1/2 AK]	S26826
800	Capscrew, 1/2 - 13 x 1" (4 Req.) [For 8-1/2 AK]	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.



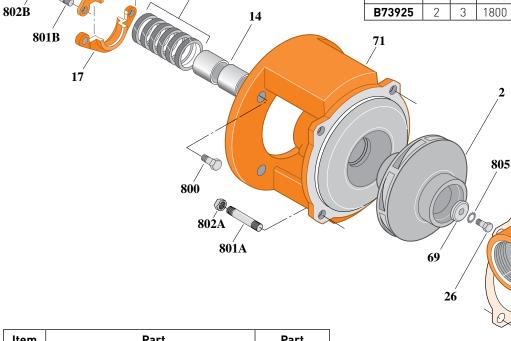
Threaded Case (NPT), Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73913	1	1	1800	7/8"	5.47"	L08091
B73914	1	3	1800	7/8"	5.47"	L08091
B73919	1.5	1	1800	7/8"	6.18"	L08093
B73920	1.5	3	1800	7/8"	6.18"	L08093
B73924	2	1	1800	7/8"	6.50"	L08094
B73925	2	3	1800	7/8"	6.50"	L08094



Item No.	Part Description	Part Number
1	Case, Volute	L01023
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715

#### Table II

810

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L01525	4-1/2"	7/8"	143JP
1	3	L01525	4-1/2"	7/8"	143JP
1.5	1	L01525	4-1/2"	7/8"	145JP
1.5	3	L01525	4-1/2"	7/8"	145JP
2	1	L01525	4-1/2"	7/8"	182JP
2	3	L01525	4-1/2"	7/8"	145JP



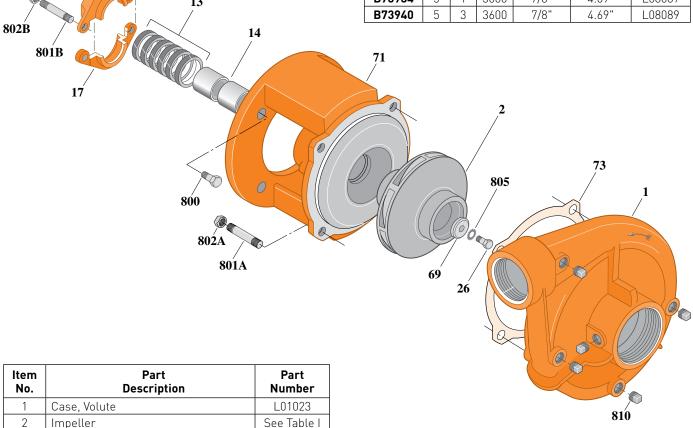
Threaded Case (NPT), Packing Construction

### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73929	3	1	3600	7/8"	4.00"	L08088
B73930	3	3	3600	7/8"	4.00"	L08088
B73934	5	1	3600	7/8"	4.69"	L08089
B73940	5	3	3600	7/8"	4.69"	L08089



S13469

S00619

B82469

S23566

S34383

S06314

See Table II

S04757

S26825

S24043

S08303

S23107

S23343

S23036

S23715

1720A 0495

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	182JP
3	3	L01525	4-1/2"	7/8"	145JP
5	1	L01525	4-1/2"	7/8"	184JP
5	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69 71

73

800

801B

802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (5 Req.)

Sleeve, Shaft (2 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

Threaded Case (NPT), Packing Construction

801B (7/8 U) 801C (1-1/4 U

Item

13A (7/8 U) 13B (1-1/4 U)

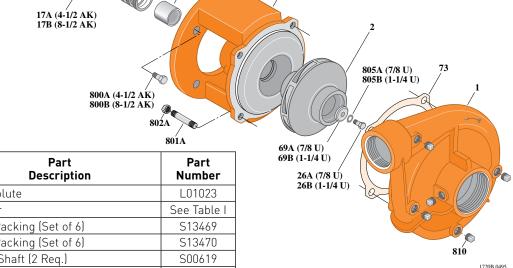
> 14A (7/8 U) 14B (1-1/4 U)

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73944	7.5	1	3600	1-1/4"	5.25"	L08085
B73948	7.5	3	3600	7/8"	5.25"	L08090
B73952	10	1	3600	1-1/4"	5.69"	L08086
B73953	10	3	3600	1-1/4"	5.69"	L08086
B73957	15	3	3600	1-1/4"	6.50"	L08087



No.	Part Description	Number
1	Case, Volute	L01023
2	Impeller	See Table I
13A	Rings, Packing (Set of 6)	S13469
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619
14B	Sleeve, Shaft	S05149
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note)	S34383
32B	Key, 1/4 x 2-1/4" (See Note)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S04757
800A	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
801C	Stud, 3/8 - 16 x 3-1/2" (2 Req.)	S04441
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP
15	3	L01951	8-1/2"	1-1/4"	215JP



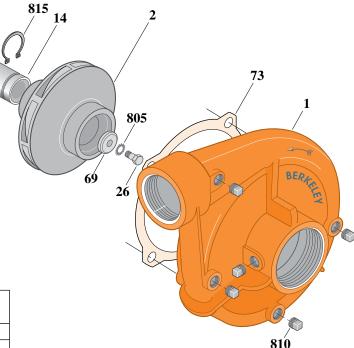
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73959	1	1	1800	7/8"	5.47"	L08091
B73960	1	3	1800	7/8"	5.47"	L08091
B73962	1.5	1	1800	7/8"	6.18"	L08093
B73963	1.5	3	1800	7/8"	6.18"	L08093
B73965	2	1	1800	7/8"	6.50"	L08094
B73966	2	3	1800	7/8"	6.50"	L08094



Item No.	Part Description	Part Number
1	Case, Volute	L01023
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining S11207	
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

Not illustrated.

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L05329	4-1/2"	7/8"	143JM
1	3	L05329	4-1/2"	7/8"	143JM
1.5	1	L05329	4-1/2"	7/8"	145JM
1.5	3	L05329	4-1/2"	7/8"	145JM
2	1	L05329	4-1/2"	7/8"	182JM
2	3	L05329	4-1/2"	7/8"	145JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



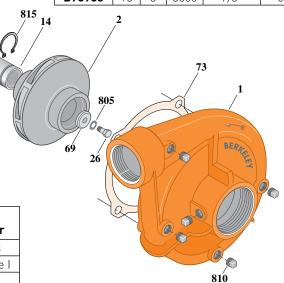
Threaded Case (NPT), Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B73968	3	1	3600	7/8"	4.00"	L08088
B73969	3	3	3600	7/8"	4.00"	L08088
B73971	5	1	3600	7/8"	4.69"	L08089
B73972	5	3	3600	7/8"	4.69"	L08089
B73974	7.5	1	3600	7/8"	5.25"	L08090
B73976	7.5	3	3600	7/8"	5.25"	L08090
B73980	10	1	3600	7/8"	5.69"	L08092
B73981	10	3	3600	7/8"	5.69"	L08092
B73983	15	3	3600	7/8"	6.50"	L08094



Item No.	Part Description	Part Number
1	Case, Volute	L01023
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.) (For 4-1/2 AK)	S26826
800	Capscrew, 1/2 - 13 x 1" (4 Req.) [For 8-1/2 AK]	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	182JM
3	3	L05329	4-1/2"	7/8"	145JM
5	1	L05329	4-1/2"	7/8"	184JM
5	3	L05329	4-1/2"	7/8"	182JM
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



# **BERKELEY**® B2-1/2ZPL Cast Iron Impeller

Threaded Case (NPT), Packing Construction

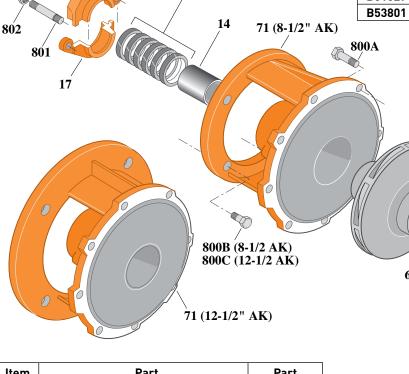
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## ELECTRIC MOTOR DRIVE

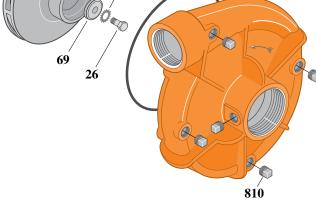
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53800	15	3	3600	1-1/4"	6.94"	M07677
B51626	20	3	3600	1-1/4"	7.69"	M07678
B51627	25	3	3600	1-1/4"	8.44"	M07688
B53801	30	3	3600	1-1/4"	8.88"	M07689



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715



805

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L03827	8-1/2"	1-1/4"	215JP
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



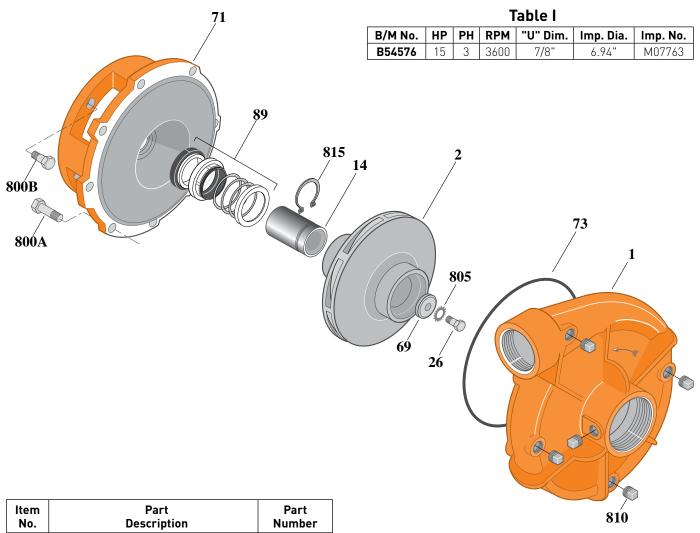
# BERKELEY® B2-1/2ZPLS

# Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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L01027

See Table I

S19310L

S23566

S34383

S06314

See Table II

M14943

S32014

S26825

S26912

S23036

S23715

S11207

1497 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



Case, Volute

Sleeve, Shaft

Washer, Impeller

Washer, Lock

Ring, Retaining

O-Ring (See Note 2)

Seal, Mechanical Shaft

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 7/8" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

Impeller

Bracket

2

14

26

32 69

71

73

800A

800B

805

810

815

# **BERKELEY**® B2-1/2ZPLS Cast Iron Impeller

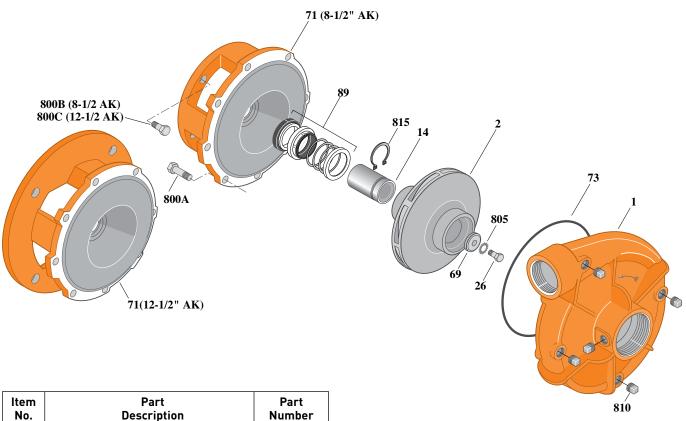
## Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54092	20	3	3600	1-1/4"	7.69"	M07678
B54093	25	3	3600	1-1/4"	8.44"	M07688
B54094	30	3	3600	1-1/4"	8.88"	M07689



L01027

See Table I

S18869L

S23619

S23677

S06319

See Table II

M14943

S32015

S26825

S26912

S23038

S23715

S16767

1608 1210

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



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Case, Volute

Sleeve, Shaft

Washer, Impeller

Washer, Lock

Ring, Retaining

O-Ring (See Note 2)

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 7/8" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

Impeller

Bracket

2

14

26

32 69

71

73

800A

800B

805

810

815

Threaded Case (NPT), Packing Construction

13

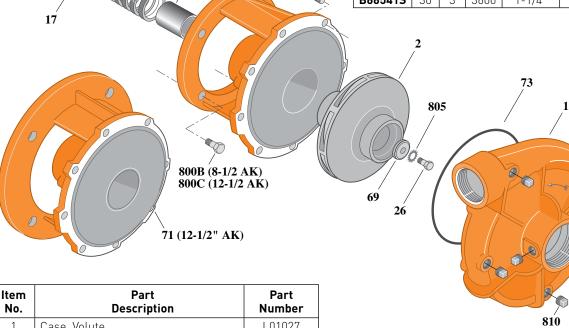
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### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66536	15	3	3600	1-1/4"	6.94"	L06639
B66536S	15	3	3600	1-1/4"	6.94"	H05469
B66537	20	3	3600	1-1/4"	7.69"	L06640
B66537S	20	3	3600	1-1/4"	7.69"	H05470
B66539	25	3	3600	1-1/4"	8.44"	L06644
B66539S	25	3	3600	1-1/4"	8.44"	H05471
B66541	30	3	3600	1-1/4"	8.88"	L06645
B66541S	30	3	3600	1-1/4"	8.88"	H05472



71 (8-1/2" AK)

800A

Impeller 1744 1210 See Table I

L01027

S26916

S26999

S08303

S23343

S23038

S23715

13	Rings, Packing (Set of 6)	S13470							
14	Sleeve, Shaft	S05149L	Table II						
17	Gland, Packing	B82470		HP PH Bracket No. "AK" Fit "U" Dim. Motor F				Motor Frame	
26	Screw, Impeller 1/2 - 13 x 1"	S23619		15	3	L03827	8-1/2"	1-1/4"	215JP
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677		20	3	L03827	8-1/2"	1-1/4"	254JP
69	Washer, Impeller	S06319		25	3	L03827	8-1/2"	1-1/4"	256JP
71	Bracket	See Table II		30	3	L01563	12-1/2"	1-1/4"	284JP
73	0-Ring (See Note 2)	M14943							
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825							

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



800C

801

802

805

Washer, Lock

Case, Volute

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

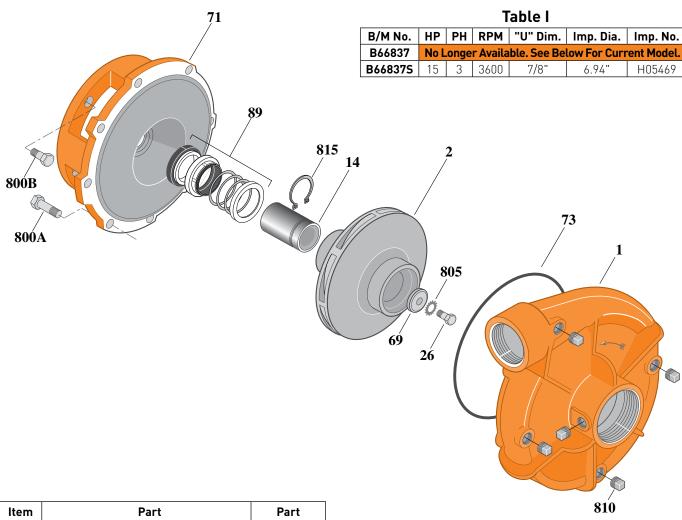
Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Threaded Case (NPT), Mechanical Shaft Seal Construction

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Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

1497 1210

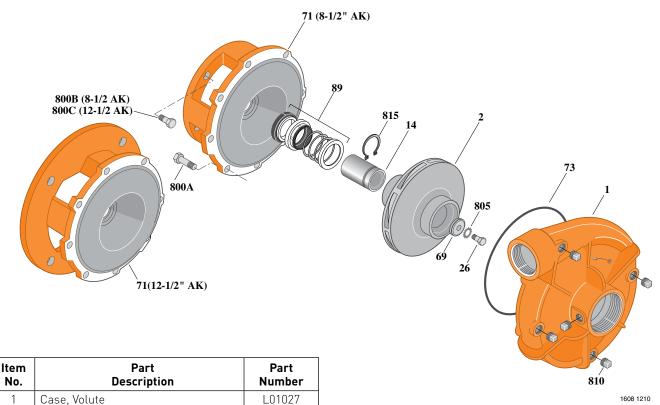
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.	
B66538S	20	3	3600	1-1/4"	7.69"	H05470	
B66540S	25	3	3600	1-1/4"	8.44"	H05471	
B66542S	30	3	3600	1-1/4"	8.88"	H05472	
B66538			/54.51				
B66540	These B/M Numbers Are No Longer Available. See Above For Current Models						
B66542							



See Table I

S18869L

S23619

S23677

S06319

See Table II

M14943

S32015

S26825

S26912

S23038

S23715

S16767

1608 1210

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



2

14

26

32 69

71

73

800A

800B

805

810

815

Impeller

Bracket

Sleeve, Shaft

Washer, Impeller

O-Ring (See Note 2)

Washer, Lock

Ring, Retaining

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 7/8" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

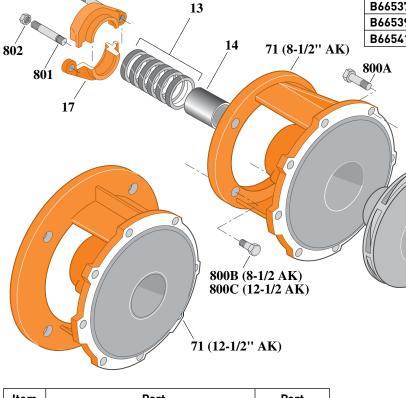
Threaded Case (NPT), Packing Construction

## ELECTRIC MOTOR DRIVE

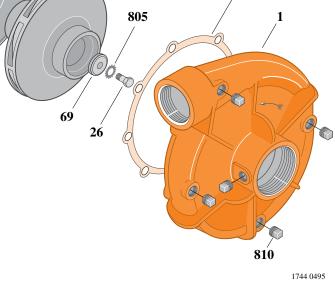
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Supersedes 09/01/97				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66536S	15	3	3600	1-1/4"	6.94"	H05469
B66537S	20	3	3600	1-1/4"	7.69"	H05470
B66539S	25	3	3600	1-1/4"	8.44"	H05471
B66541S	30	3	3600	1-1/4"	8.88"	H05472



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149
17	Gland, Packing	S12034
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S05126
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L03827	8-1/2"	1-1/4"	215JP
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP



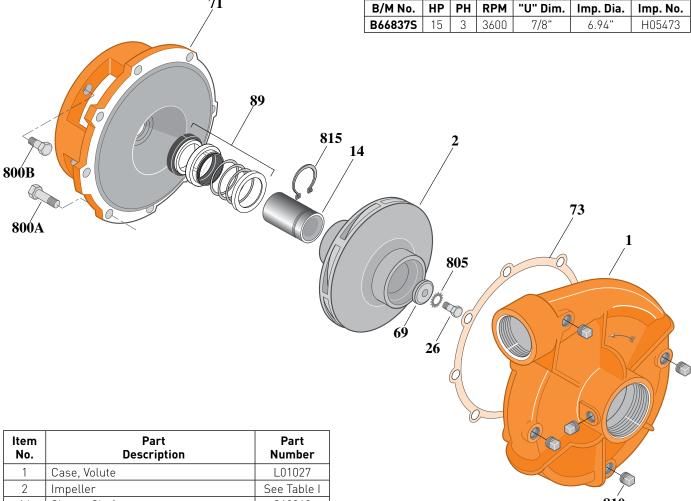
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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Date		March 4, 2013		
Supersedes 09/01/97				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66837S	15	3	3600	7/8"	6.94"	H05473



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
14	Sleeve, Shaft	S19310
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L05331	8-1/2"	7/8"	215JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



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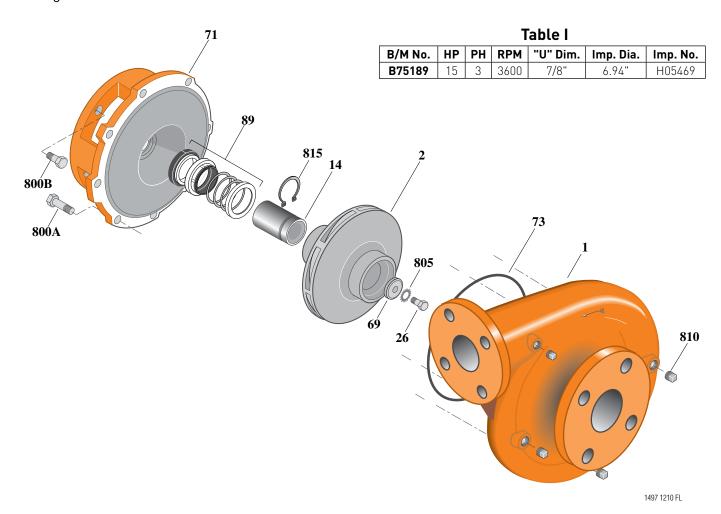
1497 0195

# **BERKELEY**® B2-1/2ZPLS Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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	Supersed	es 071/01/11



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# BERKELEY® B2-1/2ZPLS Bronze Impeller

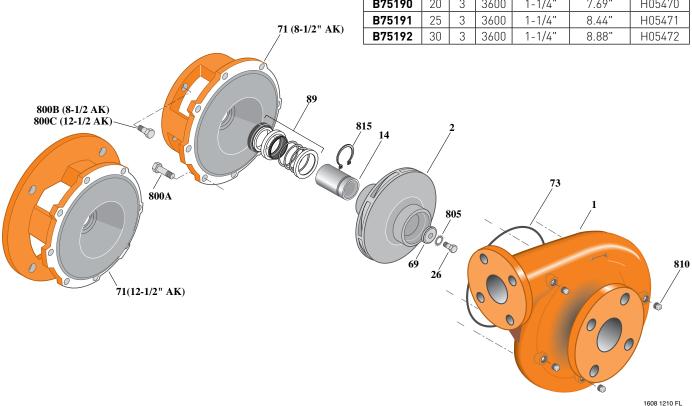
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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Supersedes 07/01/11					

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B75190	20	3	3600	1-1/4"	7.69"	H05470
B75191	25	3	3600	1-1/4"	8.44"	H05471
B75192	30	3	3600	1-1/4"	8.88"	H05472



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

## BERKELEY® B2-1/2ZPM Cast Iron Impeller

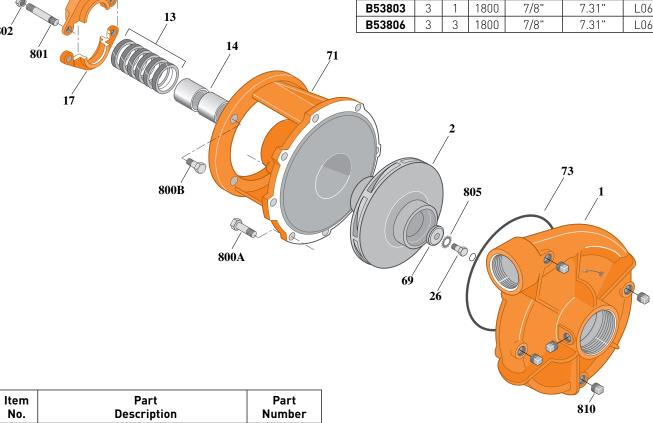
Threaded Case (NPT), Packing Construction

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53802	2	1	1800	7/8"	6.18"	L06124
B51686	2	3	1800	7/8"	6.18"	L06124
B53803	3	1	1800	7/8"	7.31"	L06125
B53806	3	3	1800	7/8"	7.31"	L06125



L01027

See Table I

S23715

1745A 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
2	1	H00950	4-1/2"	7/8"	182JP
2	3	H00950	4-1/2"	7/8"	145JP
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.





Case, Volute

Impeller

# **BERKELEY**® B2-1/2ZPM Cast Iron Impeller

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

801A (7/8 U) 801B (1-1/4 U)

> 17A (7/8 U) 17B (1-1/4 U)

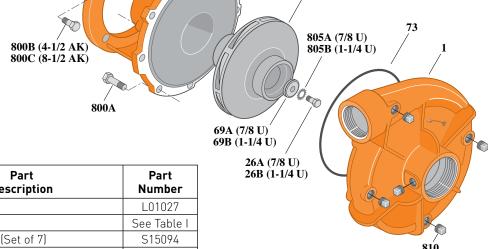
14A (7/8 U) 14B (1-1/4 U)

# ELECTRIC MOTOR DRIVE

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## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53804	5	1	1800	1-1/4"	8.38"	L06127
B53807	5	3	1800	7/8"	8.38"	L06126
B53805	7.5	1	1800	1-1/4"	9.00"	L05120
B53808	7.5	3	1800	1-1/4"	9.00"	L05120



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32A	Key, 3/16 x 1-1/4" (See Note 1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715

#### Table II

1745B 1210

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B2-1/2ZPMS Cast Iron Impeller

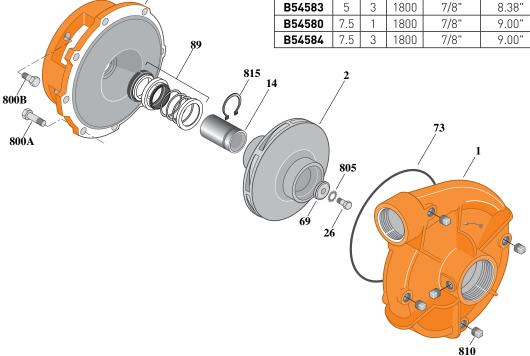
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54577	2	1	1800	7/8"	6.18"	L06124
B54581	2	3	1800	7/8"	6.18"	L06124
B54578	3	1	1800	7/8"	7.31"	L06125
B54582	3	3	1800	7/8"	7.31"	L06125
B54579	5	1	1800	7/8"	8.38"	L06126
B54583	5	3	1800	7/8"	8.38"	L06126
B54580	7.5	1	1800	7/8"	9.00"	L01218
B54584	7.5	3	1800	7/8"	9.00"	L01218



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
2	1	L05332	4-1/2"	7/8"	182JM
2	3	L05332	4-1/2"	7/8"	145JM
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



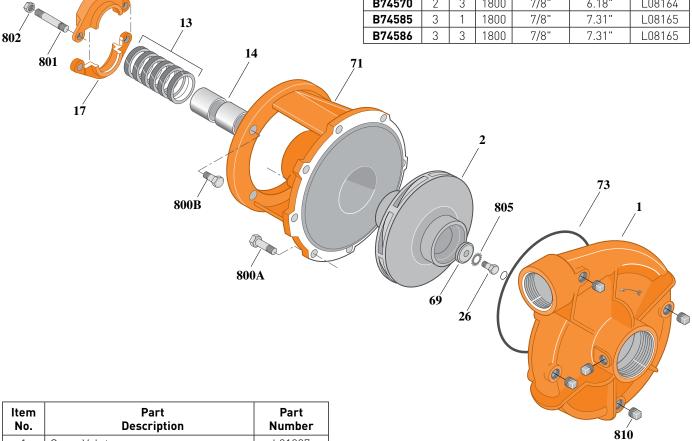
Threaded Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74569	2	1	1800	7/8"	6.18"	L08164
B74570	2	3	1800	7/8"	6.18"	L08164
B74585	3	1	1800	7/8"	7.31"	L08165
B74586	3	3	1800	7/8"	7.31"	L08165



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
13	Rings, Packing (Set of 7)	S15094
14	Sleeve, Shaft (2 Req.)	S00619L
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715

1745A 1210

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
2	1	H00950	4-1/2"	7/8"	182JP
2	3	H00950	4-1/2"	7/8"	145JP
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

801A (7/8 U) 801B (1-1/4 U)

Item

No.

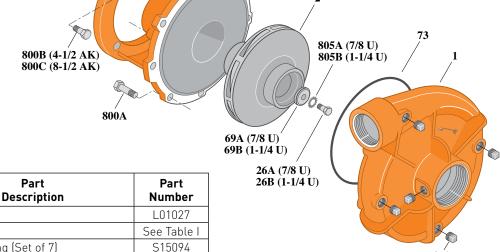
17A (7/8 U) 17B (1-1/4 U) 14A (7/8 U) 14B (1-1/4 U)

# ELECTRIC MOTOR DRIVE

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## Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74600	5	1	1800	1-1/4"	8.38"	L08191
B74604	5	3	1800	7/8"	8.38"	L08166
B74622	7.5	1	1800	1-1/4"	9.00"	L08190
B74623	7.5	3	1800	1-1/4"	9.00"	L08190



	Description.	
1	Case, Volute	L01027
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32A	Key, 3/16 x 1-1/4" (See Note 1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038

#### Table II

1745B 1210

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

S23715

Plug, Pipe 1/4" NPT (5 Req.)

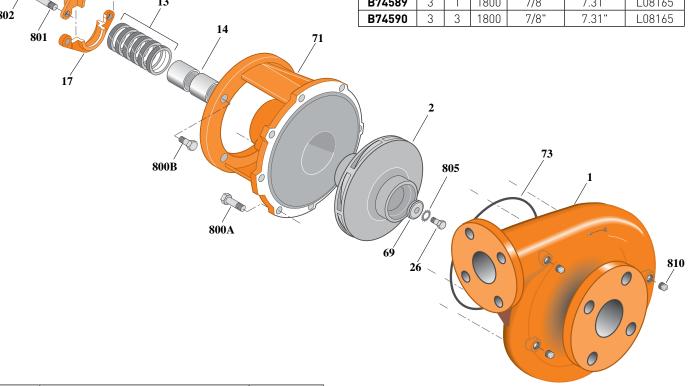
Flanged Case, Packing Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74574	2	1	1800	7/8"	6.18"	L08164
B74575	2	3	1800	7/8"	6.18"	L08164
B74589	3	1	1800	7/8"	7.31"	L08165
B74590	3	3	1800	7/8"	7.31"	L08165



Item No.	Part Description	Part Number
1	Case, Volute	H05534
2	Impeller	See Table I
13	Rings, Packing (Set of 7)	S15094
14	Sleeve, Shaft (2 Req.)	S00619L
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
2	1	H00950	4-1/2"	7/8"	182JP
2	3	H00950	4-1/2"	7/8"	145JP
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



1745C 1210

13A (7/8 U) 13B (1-1/4 U)

800B (4-1/2 AK) 800C (8-1/2 AK)

14A (7/8 U) 14B (1-1/4 U)

800A

Flanged Case, Packing Construction

17A (7/8 U) 17B (1-1/4 U)

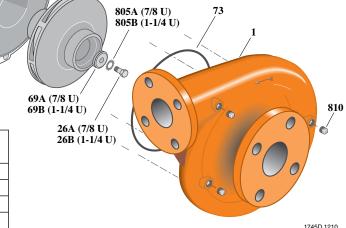
801A (7/8 U) 801B (1-1/4 U)

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74607	5	1	1800	1-1/4"	8.38"	L08191
B74610	5	3	1800	7/8"	8.38"	L08166
B74626	7.5	1	1800	1-1/4"	9.00"	L08190
B74627	7.5	3	1800	1-1/4"	9.00"	L08190



Item	Part	Part
No.	Description	Number
1	Case, Volute	H05534
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32A	Key, 3/16 x 1-1/4" (See Note 1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

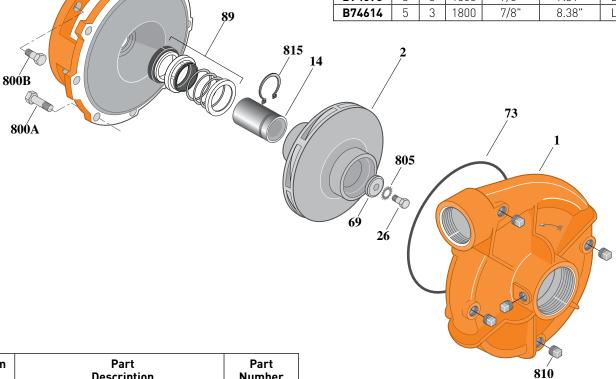
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74577	2	1	1800	7/8"	6.18"	L08164
B74578	2	3	1800	7/8"	6.18"	L08164
B74592	3	1	1800	7/8"	7.31"	L08165
B74593	3	3	1800	7/8"	7.31"	L08165
B74614	5	3	1800	7/8"	8.38"	L08166



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

# Table II

1497 1210

			IUDIC	••	
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
2	1	L05332	4-1/2"	7/8"	182JM
2	3	L05332	4-1/2"	7/8"	145JM
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	3	L05332	4-1/2"	7/8"	184JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



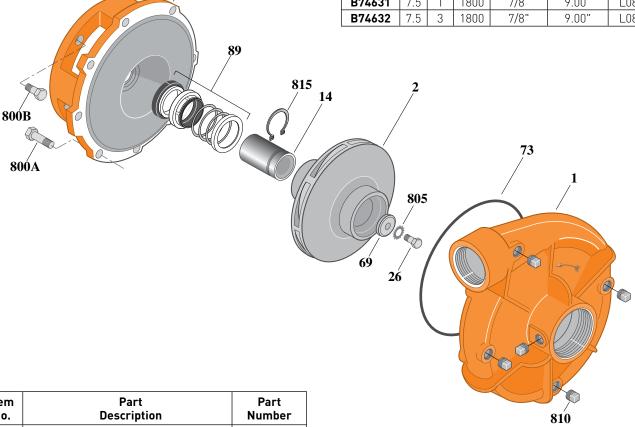
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74612	5	1	1800	7/8"	8.38"	L08166
B74631	7.5	1	1800	7/8"	9.00"	L08163
B74632	7.5	3	1800	7/8"	9.00"	L08163



Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

# Table II

1497 1210

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L05331	8-1/2"	7/8"	213JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



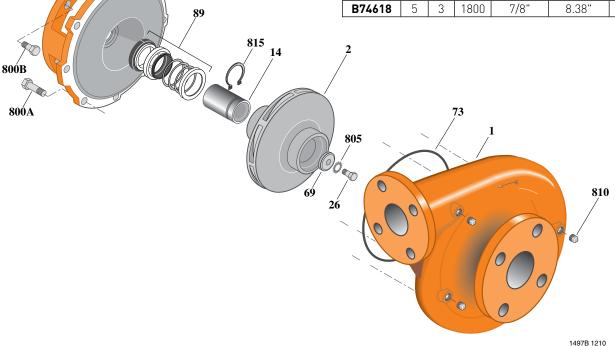
Flanged Case, Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	НР	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74580	2	1	1800	7/8"	6.18"	L08164
B74581	2	3	1800	7/8"	6.18"	L08164
B74595	3	1	1800	7/8"	7.31"	L08165
B74596	3	3	1800	7/8"	7.31"	L08165
B74618	5	3	1800	7/8"	8.38"	L08166



Item No.	Part Description	Part Number
1	Case, Volute	H05534
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

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HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
2	1	L05332	4-1/2"	7/8"	182JM
2	3	L05332	4-1/2"	7/8"	145JM
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	3	L05332	4-1/2"	7/8"	184JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



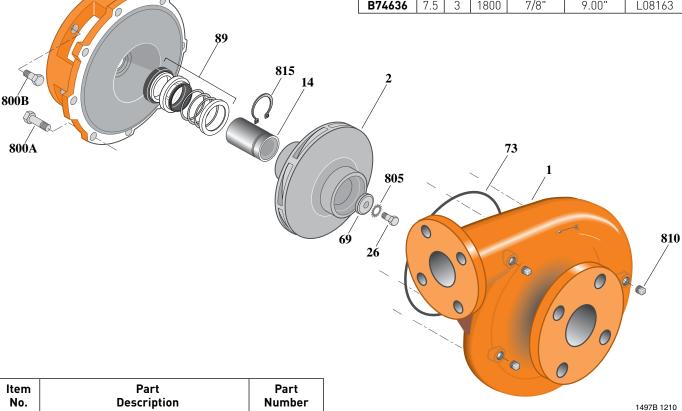
Flanged Case, Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74616	5	1	1800	7/8"	8.38"	L08166
B74635	7.5	1	1800	7/8"	9.00"	L08163
B74636	7.5	3	1800	7/8"	9.00"	L08163



Item No.	Part Description	Part Number
1	Case, Volute	H05534
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L05331	8-1/2"	7/8"	213JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



# BERKELEY® B2-1/2ZPMS

# Bronze Impeller

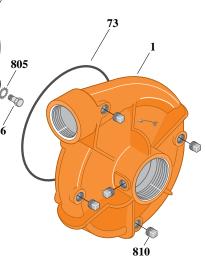
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74569	2	1	1800	7/8"	6.18"	L08164
B74570	2	3	1800	7/8"	6.18"	L08164
B74585	3	1	1800	7/8"	7.31"	L08165
B74586	3	3	1800	7/8"	7.31"	L08165
B74600	5	1	1800	7/8"	8.38"	L08166
B74604	5	3	1800	7/8"	8.38"	L08166
B74622	7.5	1	1800	7/8"	9.00"	L08190
B74623	7.5	3	1800	7/8"	9.00"	L08190



1497 1210

Item No.	Part Description	Part Number
1	Case, Volute	L01027
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
2	1	L05332	4-1/2"	7/8"	182JM
2	3	L05332	4-1/2"	7/8"	145JM
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



800A

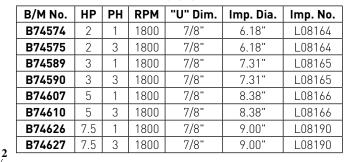
# **BERKELEY**® B2-1/2ZPMS Bronze Impeller

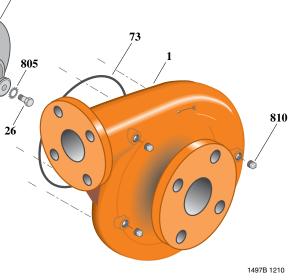
Flanged Case, Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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#### Table I





Item No.	Part Description	Part Number
1	Case, Volute	H05534
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 7/8" (8 Req.)	S26825
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

	141011					
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame	
2	1	L05332	4-1/2"	7/8"	182JM	
2	3	L05332	4-1/2"	7/8"	145JM	
3	1	L05332	4-1/2"	7/8"	184JM	
3	3	L05332	4-1/2"	7/8"	182JM	
5	1	L05331	8-1/2"	7/8"	213JM	
5	3	L05332	4-1/2"	7/8"	184JM	
7.5	1	L05331	8-1/2"	7/8"	215JM	
7.5	3	L05331	8-1/2"	7/8"	213JM	

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

80ÓB

80ÓA

# **BERKELEY**® B2-1/2JPBM Cast Iron Impeller

Threaded Case (NPT), Packing Construction

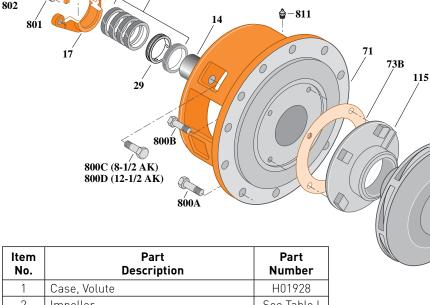
13 See Supplement B

# ELECTRIC MOTOR DRIVE

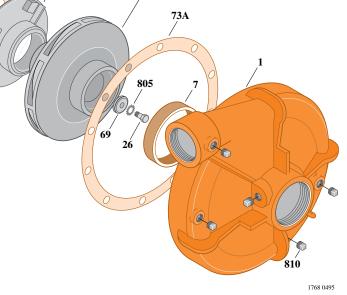
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51693	15	3	1800	1-1/4"	11.38"	L06170
B51694	20	3	1800	1-1/4"	12.44"	L06171
B53810	25	3	1800	1-1/4"	13.18"	L06172



Item No.	Part Description	Part Number
1	Case, Volute	H01928
2	Impeller	See Table I
7	Ring, Wearing	S04176
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-3/4"	S23625
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	M05115
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (6 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421



### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H02384	8-1/2"	1-1/4"	254JP
20	3	H02384	8-1/2"	1-1/4"	256JP
25	3	H01601	12-1/2"	1-1/4"	284JP



# **BERKELEY**® B2-1/2JPBMS Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

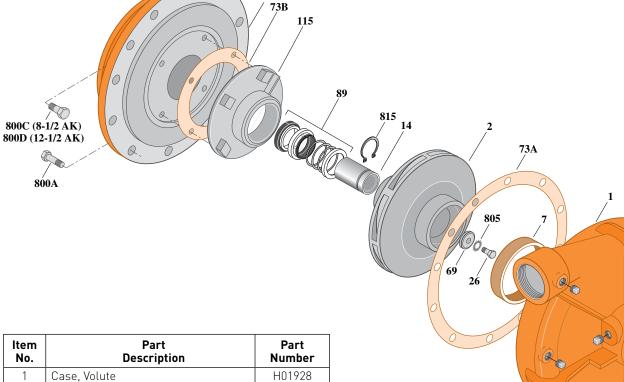
800B

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54104	15	3	1800	1-1/4"	11.38"	L06170
B54105	20	3	1800	1-1/4"	12.44"	L06171
B54106	25	3	1800	1-1/4"	13.18"	L06172



Item No.	Part Description	Part Number
1	Case, Volute	H01928
2	Impeller	See Table I
7	Ring, Wearing	S04176
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	M06646
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (6 Req.)	S23717
815	Ring, Retaining	S16767

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H03300	8-1/2"	1-1/4"	254JM
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



1691 0295

Threaded Case (NPT), Packing Construction

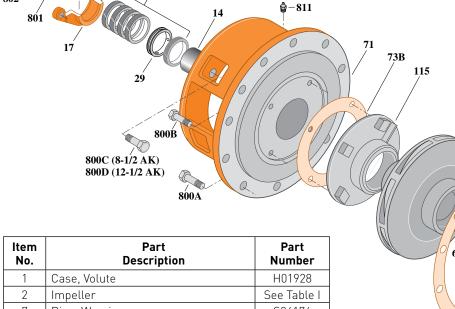
13 See Supplement B

# ELECTRIC MOTOR DRIVE

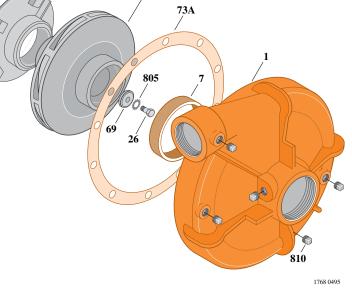
Section		CC
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Date		March 4, 2013
	Superse	des 01/01/04

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74656	15	3	1800	1-1/4"	11.38"	H05672
B74640	20	3	1800	1-1/4"	12.44"	H05681
B74644	25	3	1800	1-1/4"	13.18"	H05669



Item No.	Part Description	Part Number
1	Case, Volute	H01928
2	Impeller	See Table I
7	Ring, Wearing	S04176
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-3/4"	S23625
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	M05115
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800D	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (6 Req.)	S23717
811	Fitting, Grease	S23700



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H02384	8-1/2"	1-1/4"	254JP
20	3	H02384	8-1/2"	1-1/4"	256JP
25	3	H01601	12-1/2"	1-1/4"	284JP



Threaded Case (NPT), Mechanical Shaft Seal Construction

800B

73B

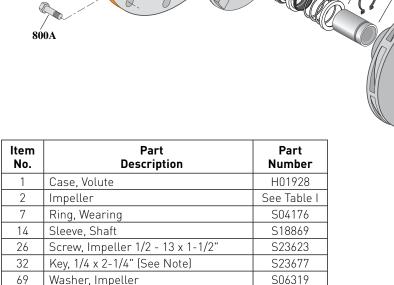
115

# ELECTRIC MOTOR DRIVE

Section		CC
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	Superse	des 01/01/04

### Table I

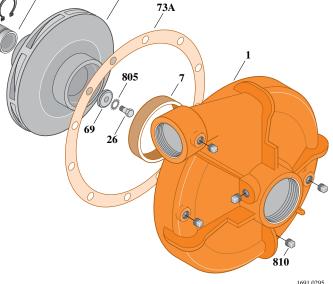
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74660	15	3	1800	1-1/4"	11.38"	H05672
B74652	20	3	1800	1-1/4"	12.44"	H05681
B74648	25	3	1800	1-1/4"	13.18"	H05669



2	Impeller	See Table I
7	Ring, Wearing	S04176
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	M06646
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800D	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (6 Req.)	S23717
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.

800C (8-1/2 AK) 800D (12-1/2 AK)



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H03300	8-1/2"	1-1/4"	254JM
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



# **BERKELEY**® B3TPM Cast Iron Impeller

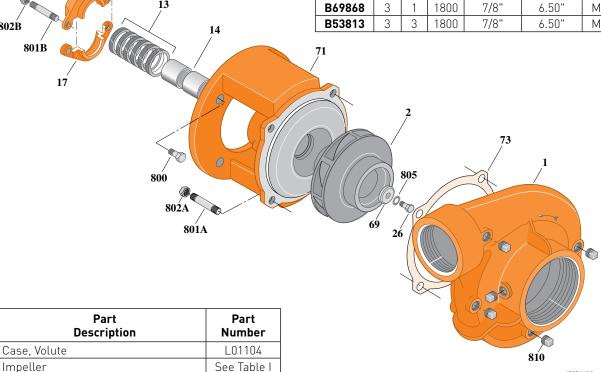
Threaded Case (NPT), Packing Construction

# FLECTRIC MOTOR DRIVE

Section	CC
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Date	March 4, 2013
	Supersedes 01/01/04

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51696	1	1	1800	7/8"	5.12"	M07652
B51700	1	3	1800	7/8"	5.12"	M07652
B51697	1.5	1	1800	7/8"	5.75"	M07653
B51701	1.5	3	1800	7/8"	5.75"	M07653
B53811	2	1	1800	7/8"	6.25"	M07654
B51702	2	3	1800	7/8"	6.25"	M07654
B69868	3	1	1800	7/8"	6.50"	M02959
B53813	3	3	1800	7/8"	6.50"	M02959



S13469

S00619

B82469

S23566

S34383

S06314

See Table II

S04757

S26825

S24043

S08303

S23107

S23343

S23706

S23715

Table II

1737 0495

				••	
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L01525	4-1/2"	7/8"	143JP
1	3	L01525	4-1/2"	7/8"	143JP
1.5	1	L01525	4-1/2"	7/8"	145JP
1.5	3	L01525	4-1/2"	7/8"	145JP
2	1	L01525	4-1/2"	7/8"	182JP
2	3	L01525	4-1/2"	7/8"	145JP
3	1	L01525	4-1/2"	7/8"	184JP
3	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



Item

No.

2

13

14

17

26

32

69

71

73

800

801B

802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Sleeve, Shaft (2 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

Bracket

293 WRIGHT STREET, DELAVAN, WI 53115 WWW.berkeleypumps.COM PH: 888-237-5353 ORDERS FAX: 800-321-8793 Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

# **BERKELEY**® B3TPM Cast Iron Impeller

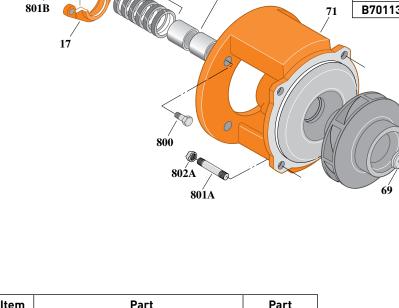
Flanged Case, Packing Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70074	1	1	1800	7/8"	5.12"	M07652
B70110	1	3	1800	7/8"	5.12"	M07652
B70078	1.5	1	1800	7/8"	5.75"	M07653
B70111	1.5	3	1800	7/8"	5.75"	M07653
B70081	2	1	1800	7/8"	6.25"	M07654
B70112	2	3	1800	7/8"	6.25"	M07654
B70379	3	1	1800	7/8"	6.50"	M02959
B70113	3	3	1800	7/8"	6.50"	M02959



ltem No.	Part Description	Part Number
1	Case, Volute	H05129
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT	S23715

810

1739 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L01525	4-1/2"	7/8"	143JP
1	3	L01525	4-1/2"	7/8"	143JP
1.5	1	L01525	4-1/2"	7/8"	145JP
1.5	3	L01525	4-1/2"	7/8"	145JP
2	1	L01525	4-1/2"	7/8"	182JP
2	3	L01525	4-1/2"	7/8"	145JP
3	1	L01525	4-1/2"	7/8"	184JP
3	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



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# **BERKELEY**® B3TPM Cast Iron Impeller

801B ( 7/8 U) 801C (1-1/4 U)

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

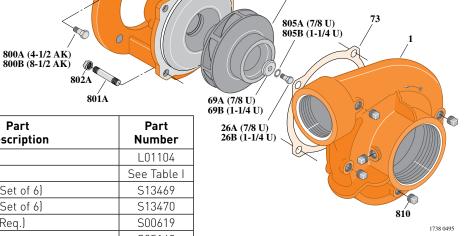
14A (7/8 U) 14B (1-1/4 U)

# ELECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 01/01/04

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53814	7.5	1	3600	1-1/4"	4.94"	M07647
B53815	7.5	3	3600	7/8"	4.94"	M07651
B55578	10	1	3600	1-1/4"	5.38"	M07648
B53816	10	3	3600	1-1/4"	5.38"	M07648
B53817	15	3	3600	1-1/4"	6.12"	M07649
B51633	20	3	3600	1-1/4"	6.50"	M02960



	801A					
Item No.	Part Description	Part Number				
1	Case, Volute	L01104				
2	Impeller	See Table I				
13A	Rings, Packing (Set of 6)	S13469				
13B	Rings, Packing (Set of 6)	S13470				
14A	Sleeve, Shaft (2 Req.)	S00619				
14B	Sleeve, Shaft	S05149				
17A	Gland, Packing	B82469				
17B	Gland, Packing	B82470				
26A	Screw, Impeller 3/8 - 16 x 1"	S23566				
26B	Screw, Impeller 1/2 - 13 x 1"	S23619				
32A	Key, 3/16 x 1-1/4" (See Note)	S34383				
32B	Key, 1/4 x 2-1/4" (See Note)	S23677				
69A	Washer, Impeller	S06314				
69B	Washer, Impeller	S06319				
71	Bracket	See Table II				
73	Gasket, Volute	S04757				
800A	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825				
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912				
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S23043				
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303				
801C	Stud, 3/8 - 16 x 3-1/2" (2 Req.)	S04441				
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107				
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343				
805A	Washer, Lock	S23036				
805B	Washer, Lock	S23038				
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715				

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP
15	3	L01951	8-1/2"	1-1/4"	215JP
20	3	L01951	8-1/2"	1-1/4"	254JP



# **BERKELEY**® B3TPM Cast Iron Impeller

13A (7/8 U) 13B (1-1/4 U)

14A (7/8 U)

14B (1-1/4 U)

Flanged Case, Packing Construction

802B

801B (7/8 U) 801C (1-1/4 U)

2

26A

26B

32A

32B

69A

69B

71

73

800A

800B

801A

801B

801C

802A

802B

805A

805B

810

17A (7/8 U) 17B (1-1/4 Ú)

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Washer, Lock

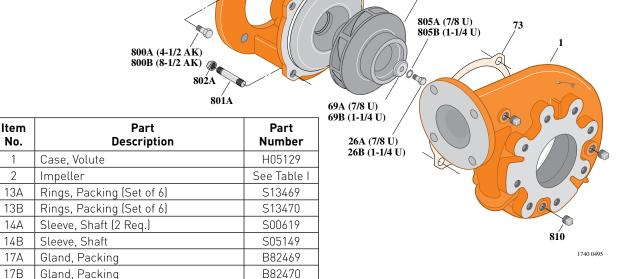
Bracket

# FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70084	7.5	1	3600	1-1/4"	4.94"	M07647
B70116	7.5	3	3600	7/8"	4.94"	M07651
B70087	10	1	3600	1-1/4"	5.38"	M07648
B70118	10	3	3600	1-1/4"	5.38"	M07648
B70119	15	3	3600	1-1/4"	6.12"	M07649
B70122	20	3	3600	1-1/4"	6.50"	M02960
	B70084 B70116 B70087 B70118 B70119	B700847.5B701167.5B7008710B7011810B7011915	B70084     7.5     1       B70116     7.5     3       B70087     10     1       B70118     10     3       B70119     15     3	B70084     7.5     1     3600       B70116     7.5     3     3600       B70087     10     1     3600       B70118     10     3     3600       B70119     15     3     3600	B70084         7.5         1         3600         1-1/4"           B70116         7.5         3         3600         7/8"           B70087         10         1         3600         1-1/4"           B70118         10         3         3600         1-1/4"           B70119         15         3         3600         1-1/4"	B70084         7.5         1         3600         1-1/4"         4.94"           B70116         7.5         3         3600         7/8"         4.94"           B70087         10         1         3600         1-1/4"         5.38"           B70118         10         3         3600         1-1/4"         5.38"           B70119         15         3         3600         1-1/4"         6.12"



S23566

S23619

S34383

S23677

S06314

S06919

See Table II

S04757

S26825

S26912

S24043

S08303

S04441

S23107

S23343

S23036

S23038

S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP
15	3	L01951	8-1/2"	1-1/4"	215JP
20	3	L01951	8-1/2"	1-1/4"	254JP



# Cast Iron Impeller

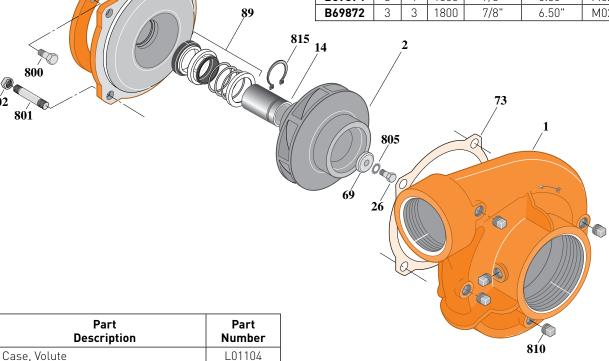
Threaded Case (NPT), Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54585	1	1	1800	7/8"	5.12"	M07652
B54592	1	3	1800	7/8"	5.12"	M07652
B54586	1.5	1	1800	7/8"	5.75"	M07653
B54593	1.5	3	1800	7/8"	5.75"	M07653
B54587	2	1	1800	7/8"	6.25"	M07654
B54594	2	3	1800	7/8"	6.25"	M07654
B69874	3	1	1800	7/8"	6.50"	M02959
B69872	3	3	1800	7/8"	6.50"	M02959



See Table I

S19310

S23566

S34383

S06314

See Table II

S04757

S32014

S26826

S24043

S23107

S23036

S23715

S11207

1481 0195

#### Table II

	idbic ii								
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame				
1	1	L05329	4-1/2"	7/8"	143JM				
1	3	L05329	4-1/2"	7/8"	143JM				
1.5	1	L05329	4-1/2"	7/8"	145JM				
1.5	3	L05329	4-1/2"	7/8"	145JM				
2	1	L05329	4-1/2"	7/8"	182JM				
2	3	L05329	4-1/2"	7/8"	145JM				
3	1	L05329	4-1/2"	7/8"	184JM				
3	3	L05329	4-1/2"	7/8"	182JM				

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Item

No.

14

26

32

69

71

73

89

800

801

802

805

810

815

Impeller

Bracket

Sleeve, Shaft

Washer, Impeller

Seal, Mechanical Shaft

Nut, 1/2 - 13 (4 Req.)

Gasket, Volute

(For 4-1/2 AK)

Washer, Lock

Ring, Retaining

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (4 Reg.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

# **BERKELEY**® B3TPMS Cast Iron Impeller

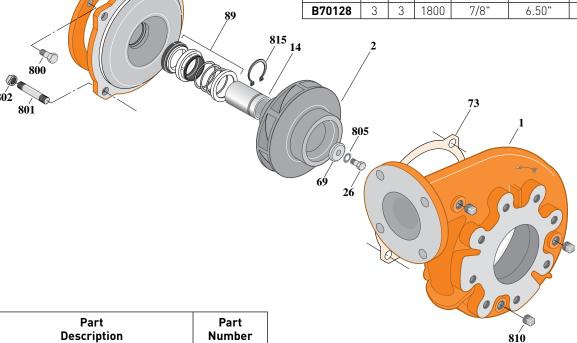
Flanged Case, Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70090	1	1	1800	7/8"	5.12"	M07652
B70125	1	3	1800	7/8"	5.12"	M07652
B70092	1.5	1	1800	7/8"	5.75"	M07653
B70126	1.5	3	1800	7/8"	5.75"	M07653
B70097	2	1	1800	7/8"	6.25"	M07654
B70127	2	3	1800	7/8"	6.25"	M07654
B70099	3	1	1800	7/8"	6.50"	M02959
B70128	3	3	1800	7/8"	6.50"	M02959

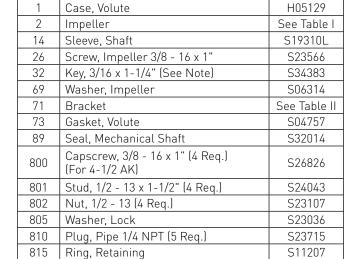


1482 019

#### Table II

	rabte ii								
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame				
1	1	L05329	4-1/2"	7/8"	143JM				
1	3	L05329	4-1/2"	7/8"	143JM				
1.5	1	L05329	4-1/2"	7/8"	145JM				
1.5	3	L05329	4-1/2"	7/8"	145JM				
2	1	L05329	4-1/2"	7/8"	182JM				
2	3	L05329	4-1/2"	7/8"	145JM				
3	1	L05329	4-1/2"	7/8"	184JM				
3	3	L05329	4-1/2"	7/8"	182JM				

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Item

No.

# **BERKELEY**® B3TPMS Cast Iron Impeller

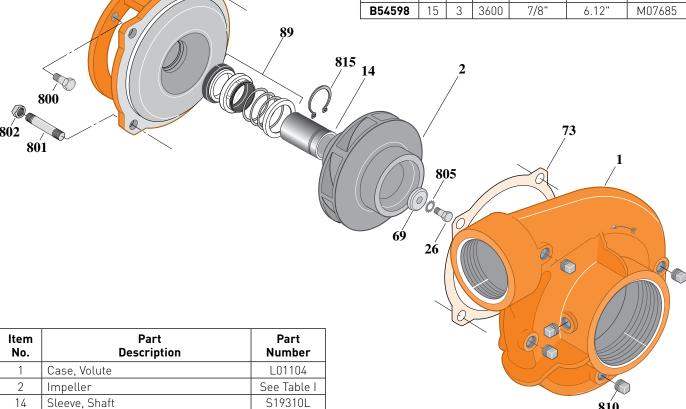
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

Section	CC			
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54589	7.5	1	3600	7/8"	4.94"	M07651
B54596	7.5	3	3600	7/8"	4.94"	M07651
B54651	10	1	3600	7/8"	5.38"	M07684
B54597	10	3	3600	7/8"	5.38"	M07684
B54598	15	3	3600	7/8"	6.12"	M07685



S23566

S34383

S06314

See Table II

S04757 S32014

S26826

S26912

S24043

S23107

S23036

S23715

S11207

1481 0195

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



26

32

69

71

73

89

800

800

801

805

810

815

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

Washer, Impeller

Seal, Mechanical Shaft

Gasket, Volute

(For 4-1/2 AK)

(For 8-1/2 AK)

Washer, Lock

Ring, Retaining

Nut, 1/2 - 13 (4 Req.)

Bracket

810B

# Cast Iron Impeller

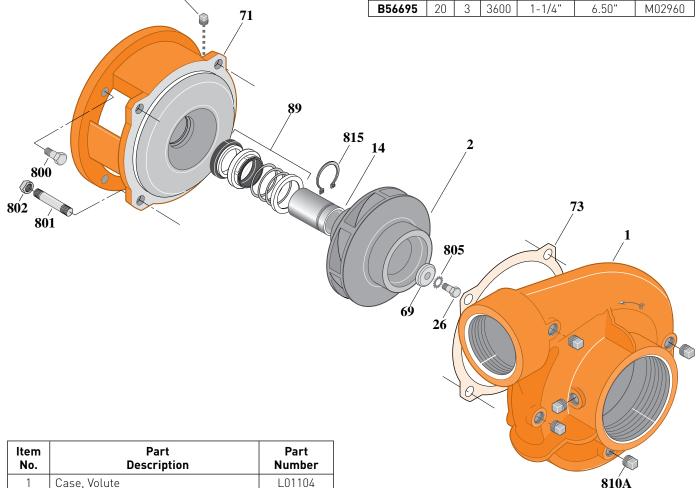
Threaded Case (NPT), Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

Section	CC				
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Date	March 4, 2013				
Supersedes 01/01/04					

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56695	20	3	3600	1-1/4"	6.50"	M02960



Case, Volute L01104 2 Impeller See Table I S18869 14 Sleeve, Shaft 26 Screw, Impeller 1/2 - 13 x 1" S23619 Key, 1/4 x 2-1/4" (See Note) 32 S23677 69 Washer, Impeller S06319 71 Bracket See Table II 73 Gasket, Volute S04757 Seal, Mechanical Shaft S32015 89 Capscrew, 1/2 - 13 x 1" (4 Req.) S26912 800 Stud, 1/2 - 13 x 1-1/2" (4 Req.) 801 S24043 Nut, 1/2 - 13 (4 Req.) 802 S23107 805 Washer, Lock S23038 810 Plug, Pipe (5 Req.) S23715 Ring, Retaining S16767

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L05779	8-1/2"	1-1/4"	254JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



1490 0195

# **BERKELEY**® B3TPMS Cast Iron Impeller

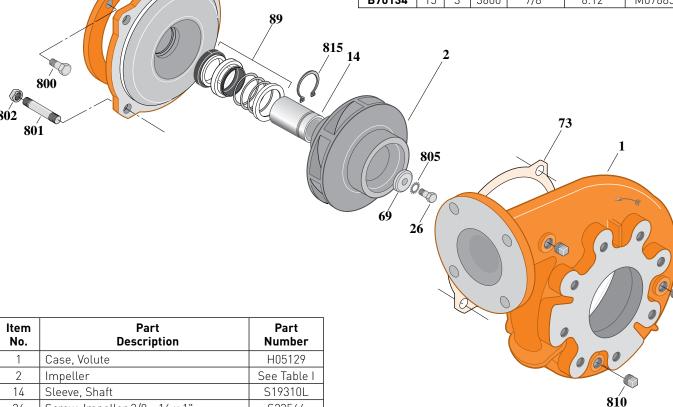
Flanged Case, Mechanical Shaft Seal Construction

## FLECTRIC MOTOR DRIVE

Section	CC			
Page	160.9			
Date	March 4, 2013			
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70102	7.5	1	3600	7/8"	4.94"	M07651
B70129	7.5	3	3600	7/8"	4.94"	M07651
B70380	10	1	3600	7/8"	5.38"	M07684
B70131	10	3	3600	7/8"	5.38"	M07684
B70134	15	3	3600	7/8"	6.12"	M07685



S23566

S34383

S06314

See Table II

S04757 S32014

S26826

S26912

S24043

S23107

S23036

S23715

S11207

1482 0195

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



26

40

71

73

89

800

800

801

802

805

810

815

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Plug, Pipe 1/4 NPT (5 Reg.)

Washer, Impeller

Seal, Mechanical Shaft

Gasket, Volute

(For 4-1/2 AK)

(For 8-1/2 AK)

Washer, Lock

Ring, Retaining

Nut, 1/2 - 13 (4 Req.)

Bracket

# **BERKELEY**® B3TPMS Cast Iron Impeller

810B

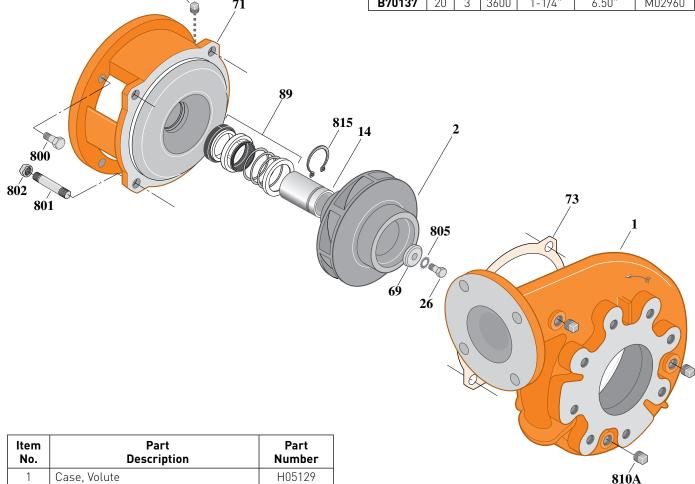
Flanged Case, Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

Section	CC			
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70137	20	3	3600	1-1/4"	6.50"	M02960



See Table I

S18869

S23619

S23677

S06319

See Table II

S04757

S32015

S26912

S24043

S23107

S23038

S23715

S16767

1491 0195

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L05779	8-1/2"	1-1/4"	254JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Impeller

Bracket

Sleeve, Shaft

Washer, Impeller

Seal, Mechanical Shaft

Nut, 1/2 - 13 (4 Req.)

Plug, Pipe (5 Req.)

Ring, Retaining

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Gasket, Volute

Washer, Lock

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note)

14

26

32

69

71

73

89

800

801

802

805

810

# **BERKELEY**® B3TPM Bronze Impeller

Threaded Case (NPT), Packing Construction

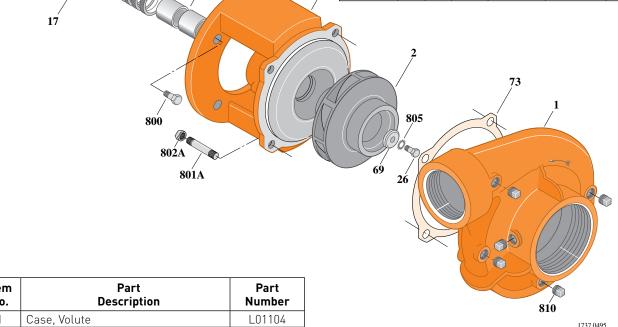
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# ELECTRIC MOTOR DRIVE

Section	CC
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66730	1	1	1800	7/8"	5.12"	L06634
B66731	1	3	1800	7/8"	5.12"	L06634
B66738	1.5	1	1800	7/8"	5.75"	L06635
B66739	1.5	3	1800	7/8"	5.75"	L06635
B66746	2	1	1800	7/8"	6.25"	L06636
B66747	2	3	1800	7/8"	6.25"	L06636
B66758	3	1	1800	7/8"	6.50"	L06657
B66759	3	3	1800	7/8"	6.50"	L06657



ltem No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23036
810	Plug Pine 1/4 NPT (5 Reg.)	S23715

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L01525	4-1/2"	7/8"	143JP
1	3	L01525	4-1/2"	7/8"	143JP
1.5	1	L01525	4-1/2"	7/8"	145JP
1.5	3	L01525	4-1/2"	7/8"	145JP
2	1	L01525	4-1/2"	7/8"	182JP
2	3	L01525	4-1/2"	7/8"	145JP
3	1	L01525	4-1/2"	7/8"	184JP
3	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



802B

801B

# **BERKELEY**® B3TPM Bronze Impeller

801B ( 7/8 U) 801C (1-1/4 U)

> 17A (7/8 U) 17B (1-1/4 U)

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

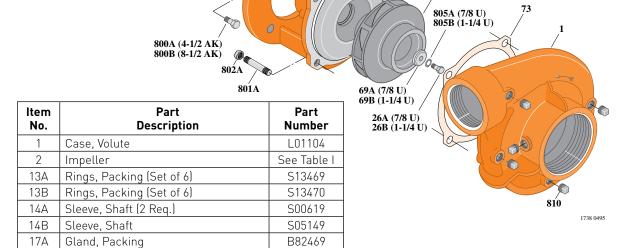
> 14A (7/8 U) 14B (1-1/4 U)

# ELECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 01/01/04

### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66642	7.5	1	3600	1-1/4"	4.94"	L06630
B66643	7.5	3	3600	7/8"	4.94"	L06633
B66652	10	1	3600	1-1/4"	5.38"	L06631
B66653	10	3	3600	1-1/4"	5.38"	L06631
B66662	15	3	3600	1-1/4"	6.12"	L06643
B66668	20	3	3600	1-1/4"	6.50"	L06658



B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

S04757

S26825

S26912

S24043

S08303

S04441

S23107

S23343

S23036

S23038

S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP
15	3	L01951	8-1/2"	1-1/4"	215JP
20	3	L01951	8-1/2"	1-1/4"	254JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



17B

26A

26B

32A

32B

69A

69B

71

73

800A

800B

801A

801B

801C

802A

802B

805A

805B

810

Gland, Packing

Washer, Impeller

Washer, Impeller

Gasket, Volute

Washer, Lock

Washer, Lock

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note)

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

# Bronze Impeller

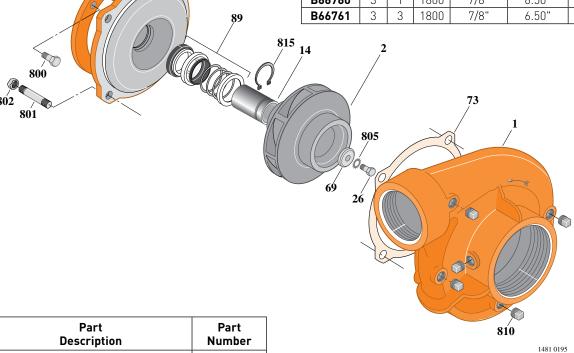
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66732	1	1	1800	7/8"	5.12"	L06634
B66733	1	3	1800	7/8"	5.12"	L06634
B66740	1.5	1	1800	7/8"	5.75"	L06635
B66741	1.5	3	1800	7/8"	5.75"	L06635
B66748	2	1	1800	7/8"	6.25"	L06636
B66749	2	3	1800	7/8"	6.25"	L06636
B66760	3	1	1800	7/8"	6.50"	L06657
B66761	3	3	1800	7/8"	6.50"	L06657



Item No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.) (For 4-1/2 AK)	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	L05329	4-1/2"	7/8"	143JM
3	L05329	4-1/2"	7/8"	143JM
1	L05329	4-1/2"	7/8"	145JM
3	L05329	4-1/2"	7/8"	145JM
1	L05329	4-1/2"	7/8"	182JM
3	L05329	4-1/2"	7/8"	145JM
1	L05329	4-1/2"	7/8"	184JM
3	L05329	4-1/2"	7/8"	182JM
	1 3 1 3 1 3 1	1 L05329 3 L05329 1 L05329 3 L05329 1 L05329 3 L05329 1 L05329	1 L05329 4-1/2" 3 L05329 4-1/2" 1 L05329 4-1/2" 3 L05329 4-1/2" 1 L05329 4-1/2" 3 L05329 4-1/2" 1 L05329 4-1/2"	1     L05329     4-1/2"     7/8"       3     L05329     4-1/2"     7/8"       1     L05329     4-1/2"     7/8"       3     L05329     4-1/2"     7/8"       1     L05329     4-1/2"     7/8"       3     L05329     4-1/2"     7/8"       1     L05329     4-1/2"     7/8"       1     L05329     4-1/2"     7/8"



# Bronze Impeller

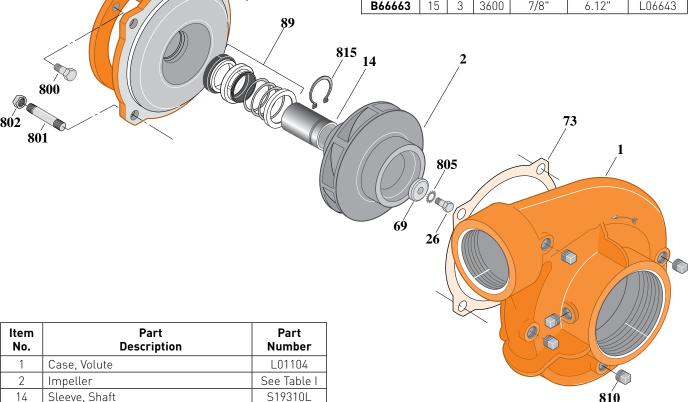
Threaded Case (NPT), Mechanical Shaft Seal Construction

# FLECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66644	7.5	1	3600	7/8"	4.94"	L06633
B66645	7.5	3	3600	7/8"	4.94"	L06633
B66654	10	1	3600	7/8"	5.38"	L06642
B66655	10	3	3600	7/8"	5.38"	L06642
B66663	15	3	3600	7/8"	6.12"	L06643



S23566

S34383

S06314

See Table II

S04757 S32014

S26826

S26912

S24043

S23107

S23036

S23715

S11207

1481 0195

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



26

32

69

71

73

800

800

801

802

805

810

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Washer, Impeller

Seal, Mechanical Shaft

Nut, 1/2 - 13 (4 Req.)

Gasket, Volute

(For 4-1/2 AK)

(For 8-1/2 AK)

Washer, Lock

Ring, Retaining

Bracket

810B

# Bronze Impeller

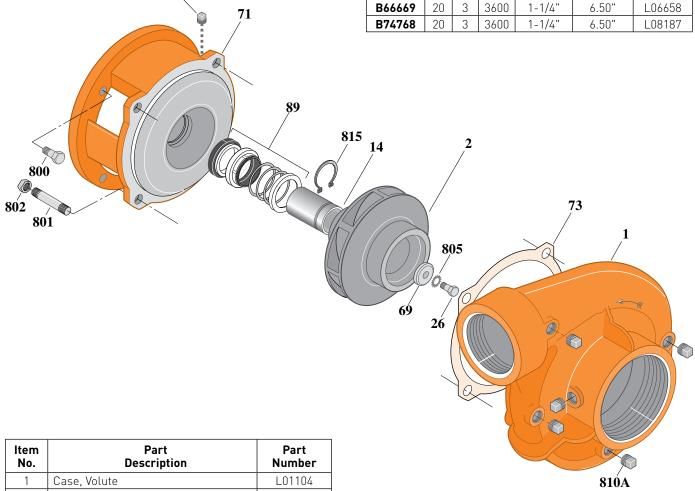
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66669	20	3	3600	1-1/4"	6.50"	L06658
B74768	20	3	3600	1-1/4"	6.50"	L08187



Item No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32015
800	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23038
810	Plug, Pipe (5 Req.)	S23715
815	Ring, Retaining	S16767

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L05779	8-1/2"	1-1/4"	254JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



1490 0195

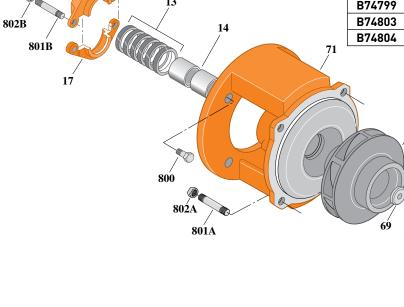
Threaded Case (NPT), Packing Construction

# ELECTRIC MOTOR DRIVE

Section		CC
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74788	1	1	1800	7/8"	5.12"	L08174
B74789	1	3	1800	7/8"	5.12"	L08174
B74793	1.5	1	1800	7/8"	5.75"	L08172
B74794	1.5	3	1800	7/8"	5.75"	L08172
B74798	2	1	1800	7/8"	6.25"	L08168
B74799	2	3	1800	7/8"	6.25"	L08168
B74803	3	1	1800	7/8"	6.50"	L08169
B74804	3	3	1800	7/8"	6.50"	L08169



Item No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715

## Table II

810

1737 0495

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame		
1	1	L01525	4-1/2"	7/8"	143JP		
1	3	L01525	4-1/2"	7/8"	143JP		
1.5	1	L01525	4-1/2"	7/8"	145JP		
1.5	3	L01525	4-1/2"	7/8"	145JP		
2	1	L01525	4-1/2"	7/8"	182JP		
2	3	L01525	4-1/2"	7/8"	145JP		
3	1	L01525	4-1/2"	7/8"	184JP		
3	3	L01525	4-1/2"	7/8"	182JP		



802B 801B ( 7/8 U) 801C (1-1/4 U)

> 17A (7/8 U) 17B (1-1/4 U)

Threaded Case (NPT), Packing Construction

800A (4-1/2 AK) 800B (8-1/2 AK)

13A (7/8 U) 13B (1-1/4 U)

801A

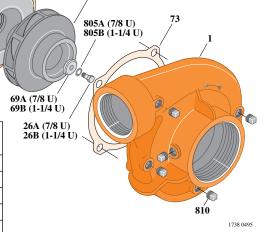
14A (7/8 U) 14B (1-1/4 U)

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74736	7.5	1	3600	1-1/4"	4.94"	L08183
B74740	7.5	3	3600	7/8"	4.94"	L08175
B74744	10	1	3600	1-1/4"	5.38"	L08184
B74745	10	3	3600	1-1/4"	5.38"	L08184
B74749	15	3	3600	1-1/4"	6.12"	L08186
B74753	20	3	3600	1-1/4"	6.50"	L08187



	001/1	
Item No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
13A	Rings, Packing (Set of 6)	S13469
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619
14B	Sleeve, Shaft	S05149
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note)	S34383
32B	Key, 1/4 x 2-1/4" (See Note)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S04757
800A	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
801C	Stud, 3/8 - 16 x 3-1/2" (2 Req.)	S04441
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715

#### Table II

HP	РН	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP
15	3	L01951	8-1/2"	1-1/4"	215JP
20	3	L01951	8-1/2"	1-1/4"	254JP



Flanged Case, Packing Construction

802B

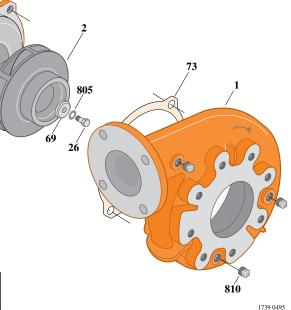
801B

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74819	1	1	1800	7/8"	5.12"	L08174
B74820	1	3	1800	7/8"	5.12"	L08174
B74823	1.5	1	1800	7/8"	5.75"	L08172
B74824	1.5	3	1800	7/8"	5.75"	L08172
B74827	2	1	1800	7/8"	6.25"	L08168
B74828	2	3	1800	7/8"	6.25"	L08168
B74831	3	1	1800	7/8"	6.50"	L08169
B74832	3	3	1800	7/8"	6.50"	L08169



Item No.	Part Description	Part Number
1	Case, Volute	H05129
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715

801A

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L01525	4-1/2"	7/8"	143JP
1	3	L01525	4-1/2"	7/8"	143JP
1.5	1	L01525	4-1/2"	7/8"	145JP
1.5	3	L01525	4-1/2"	7/8"	145JP
2	1	L01525	4-1/2"	7/8"	182JP
2	3	L01525	4-1/2"	7/8"	145JP
3	1	L01525	4-1/2"	7/8"	184JP
3	3	L01525	4-1/2"	7/8"	182JP

13A (7/8 U) 13B (1-1/4 U)

800A (4-1/2 AK) 800B (8-1/2 AK) 14A (7/8 U) 14B (1-1/4 U)

S23107

S23343

S23036

S23038

S23715

Flanged Case, Packing Construction

801B (7/8 U) 801C (1-1/4 U)

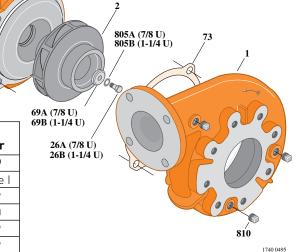
> 17A (7/8 U) 17B (1-1/4 U)

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74771	7.5	1	3600	1-1/4"	4.94"	L08183
B74774	7.5	3	3600	7/8"	4.94"	L08175
B74777	10	1	3600	1-1/4"	5.38"	L08184
B74778	10	3	3600	1-1/4"	5.38"	L08184
B74781	15	3	3600	1-1/4"	6.12"	L08186
B74784	20	3	3600	1-1/4"	6.50"	L08187



Item No.	Part Description	Part Number
1	Case, Volute	H05129
2	Impeller	See Table I
13A	Rings, Packing (Set of 6)	S13469
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619
14B	Sleeve, Shaft	S05149
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note)	S34383
32B	Key, 1/4 x 2-1/4" (See Note)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S04757
800A	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
801C	Stud, 3/8 - 16 x 3-1/2" (2 Req.)	S04441
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L01951	8-1/2"	1-1/4"	213JP
7.5	3	L01525	4-1/2"	7/8"	184JP
10	1	L01951	8-1/2"	1-1/4"	215JP
10	3	L01951	8-1/2"	1-1/4"	213JP
15	3	L01951	8-1/2"	1-1/4"	215JP
20	3	L01951	8-1/2"	1-1/4"	254JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



802A 802B

805A

805B

Washer, Lock

Washer, Lock

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (3 Req.)

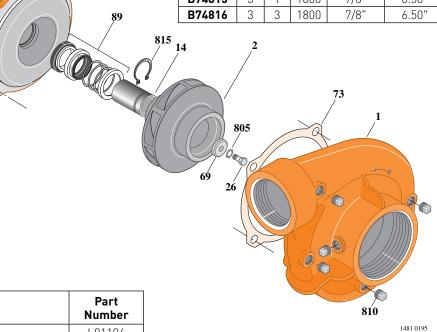
Threaded Case (NPT), Mechanical Shaft Seal Construction

# ELECTRIC MOTOR DRIVE

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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74806	1	1	1800	7/8"	5.12"	L08174
B74807	1	3	1800	7/8"	5.12"	L08174
B74809	1.5	1	1800	7/8"	5.75"	L08172
B74810	1.5	3	1800	7/8"	5.75"	L08172
B74812	2	1	1800	7/8"	6.25"	L08168
B74813	2	3	1800	7/8"	6.25"	L08168
B74815	3	1	1800	7/8"	6.50"	L08169
B74816	3	3	1800	7/8"	6.50"	L08169



Item No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

#### Tahla II

labte II					
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L05329	4-1/2"	7/8"	143JM
1	3	L05329	4-1/2"	7/8"	143JM
1.5	1	L05329	4-1/2"	7/8"	145JM
1.5	3	L05329	4-1/2"	7/8"	145JM
2	1	L05329	4-1/2"	7/8"	182JM
2	3	L05329	4-1/2"	7/8"	145JM
3	1	L05329	4-1/2"	7/8"	184JM
3	3	L05329	4-1/2"	7/8"	182JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



Threaded Case (NPT), Mechanical Shaft Seal Construction

Part

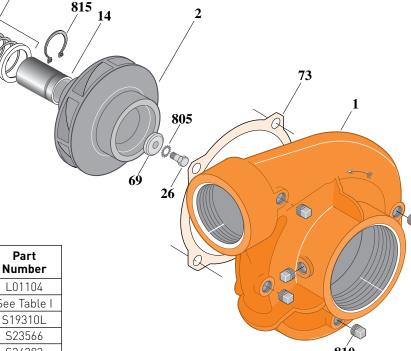
S23714

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74755	7.5	1	3600	7/8"	4.94"	L08175
B74757	7.5	3	3600	7/8"	4.94"	L08175
B74761	10	1	3600	7/8"	5.38"	L08173
B74762	10	3	3600	7/8"	5.38"	L08173
B74766	15	3	3600	7/8"	6.12"	L08167



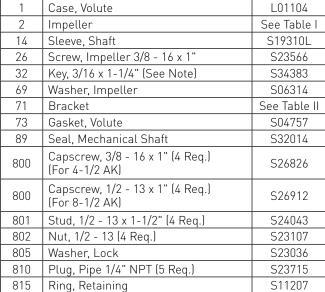
1481 0195

Table	П

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



Plug, Pipe 1/8" NPT (In Bracket)

Part

**Description** 

• Not illustrated.

801

Item

No.



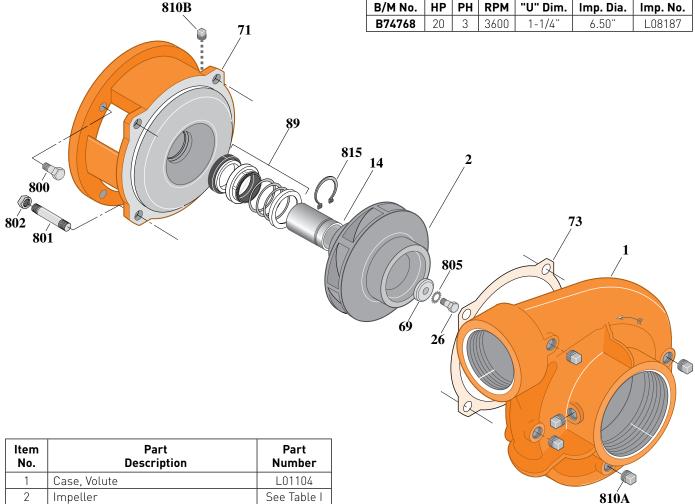
Threaded Case (NPT), Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74768	20	3	3600	1-1/4"	6.50"	L08187



Item No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32015
800	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4" NPT (5 Req.)	S23715
810B	Plug, Pipe 1/8" NPT (In Bracket)	S23714
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L05779	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



1490 0195

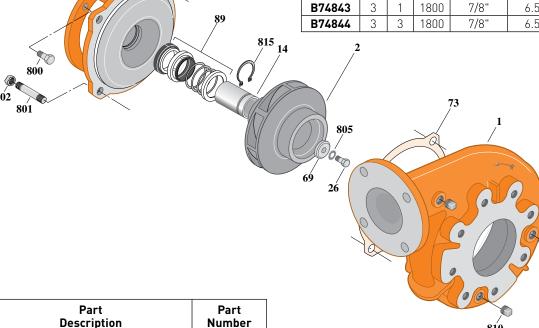
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74834	1	1	1800	7/8"	5.12"	L08174
B74835	1	3	1800	7/8"	5.12"	L08174
B74837	1.5	1	1800	7/8"	5.75"	L08172
B74838	1.5	3	1800	7/8"	5.75"	L08172
B74840	2	1	1800	7/8"	6.25"	L08168
B74841	2	3	1800	7/8"	6.25"	L08168
B74843	3	1	1800	7/8"	6.50"	L08169
B74844	3	3	1800	7/8"	6.50"	L08169



Item No.	Part Description	Part Number
1	Case, Volute	H05129
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>\*</sup> Includes grease fitting and set screw.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1	1	L05329	4-1/2"	7/8"	143JM
1	3	L05329	4-1/2"	7/8"	143JM
1.5	1	L05329	4-1/2"	7/8"	145JM
1.5	3	L05329	4-1/2"	7/8"	145JM
2	1	L05329	4-1/2"	7/8"	182JM
2	3	L05329	4-1/2"	7/8"	145JM
3	1	L05329	4-1/2"	7/8"	184JM
3	3	L05329	4-1/2"	7/8"	182JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



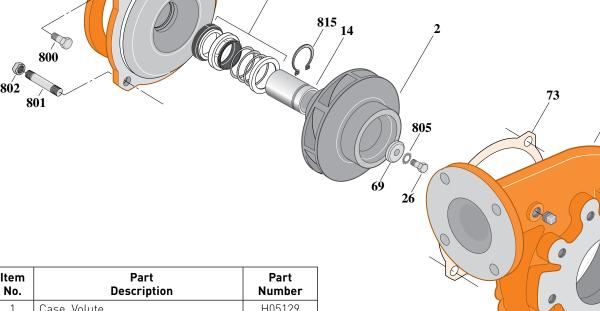
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74847	7.5	1	3600	7/8"	4.94"	L08175
B74849	7.5	3	3600	7/8"	4.94"	L08175
B74852	10	1	3600	7/8"	5.38"	L08173
B74853	10	3	3600	7/8"	5.38"	L08173
B74856	15	3	3600	7/8"	6.12"	L08167



1482 0195

**810** 

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L05328	8-1/2"	7/8"	213JM
7.5	3	L05329	4-1/2"	7/8"	184JM
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

Item No.	Part Description	Part Number
1	Case, Volute	H05129
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
40	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.) (For 4-1/2 AK)	S26826
800	Capscrew, 1/2 - 13 x 1" [4 Req.] [For 8-1/2 AK]	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.

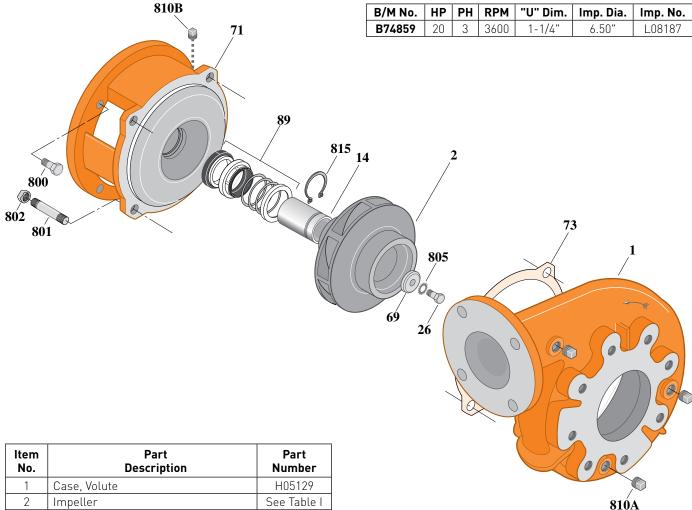
Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74859	20	3	3600	1-1/4"	6.50"	L08187



S18869

S23619

S23677

S06319

See Table II

S04757

S32015

S26912

S24043

S23107

S23038

S23715

S23714

S16767

1491 0195

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L05779	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



14

26

32

69

71

73

89

800

802 805

810A

810B

815

Sleeve, Shaft

Bracket

Washer, Impeller

Gasket, Volute

Washer, Lock

Ring, Retaining

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note)

Seal, Mechanical Shaft

Nut, 1/2 - 13 (4 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Plug, Pipe 1/4" NPT (3 Reg.)

Plug, Pipe 1/8" NPT (In Bracket)

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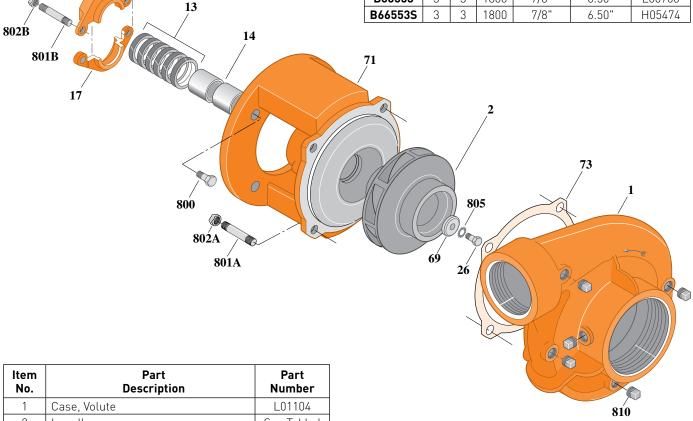
Threaded Case (NPT), Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66552	3	1	1800	7/8"	6.50"	L06700
B66552S	3	1	1800	7/8"	6.50"	H05474
B66553	3	3	1800	7/8"	6.50"	L06700
B66553S	3	3	1800	7/8"	6.50"	H05474



S23036

S23715

1791 0595

2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13469
14	Sleeve, Shaft (2 Req.)	S00619
17	Gland, Packing	B82469
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	184JP
3	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



805

Washer, Lock

Plug, Pipe 1/4 NPT (5 Req.)

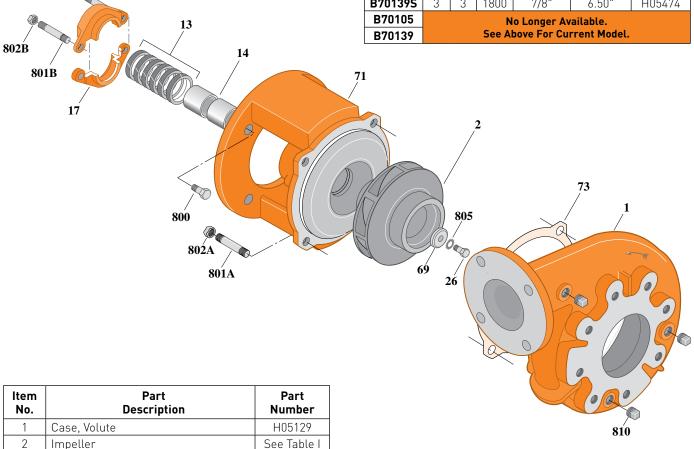
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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Superse	des 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.	
B70105S	3	1	1800	7/8"	6.50"	H05474	
B70139S	3	3	1800	7/8"	6.50"	H05474	
B70105		No Longer Available.					
B70139		See Above For Current Model.					



S13469

S00619

B82469

S23566

S34383

S06314

See Table II

S04757

S26825

S23043

S08303

S23107

S23343

S23036

S23715

1792 0595

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	184JP
3	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69 71

73

800

801B

802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (3 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Sleeve, Shaft (2 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

# **BERKELEY**® B3TPH Bronze Impeller

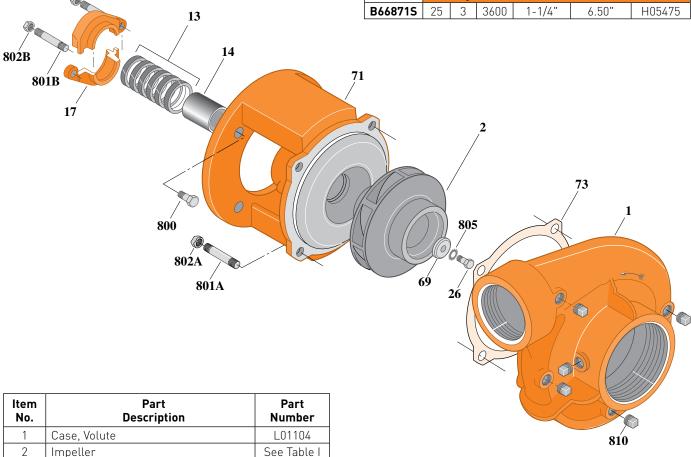
Threaded Case (NPT), Packing Construction

#### FLECTRIC MOTOR DRIVE

Section		CC			
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Supersedes 01/01/04					

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66871	No Longer Available. See Below For Current Mo					
B66871S	25	3	3600	1-1/4"	6.50"	H05475



S13470

S05149

B82470

S23619

S23677

S06319

See Table II

S04757

S26912

S24043

S04441

S23107

S23343

S23038

S23715

1793 0595

Table	
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HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L01951	8-1/2"	1-1/4"	256JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

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32

69 71

73

800

801B

802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Sleeve, Shaft

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

# **BERKELEY**® B3TPH Bronze Impeller

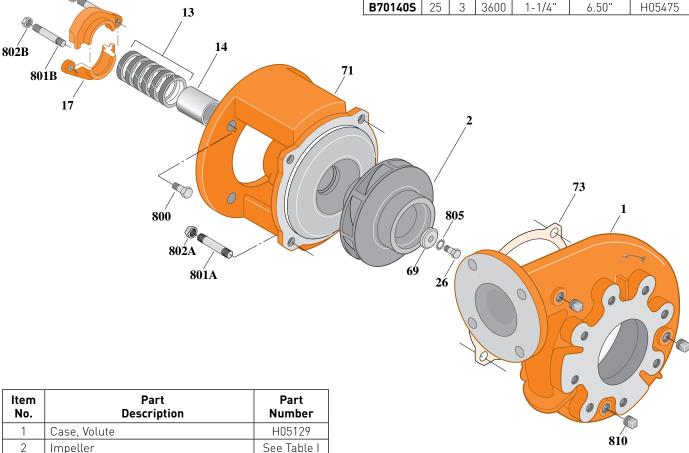
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

Section		CC			
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Date		March 4, 2013			
Supersedes 01/01/04					

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70140	B70140 No Longer Available. See Below For Current Mo					
B70140S	25	3	3600	1-1/4"	6.50"	H05475



S13470

S05149

B82470

S23619

S23677

S06319

See Table II

S04757

S26912

S23043

S04441

S23017

S23343

S23038

S23715

1794 0595

#### Table II

H	HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
	25	3	L01951	8-1/2"	1-1/4"	256JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69 71

73

800

801B

802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Sleeve, Shaft

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

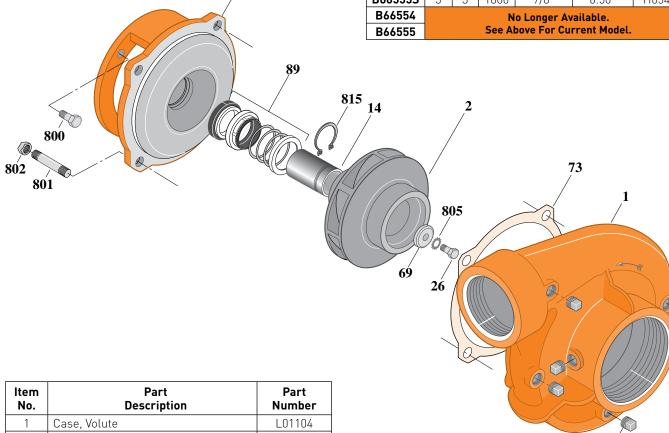
Threaded Case (NPT), Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

Section	CC				
Page	170.5				
Date	March 4, 2013				
Supersedes 01/01/04					

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.	
B66554S	3	1	1800	7/8"	6.50"	H05474	
B66555S	3	3	1800	7/8"	6.50"	H05474	
B66554		No Longer Available.					
B66555		See Above For Current Model.					



See Table I

S19310L

S23566

S34383

S06314

See Table II

S04757

S32014

S23566

S26826

S24043

S23107

S23036

S23715

S11207

1481 0195

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	184JM
3	3	L05329	4-1/2"	7/8"	182JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



2

14

26

32

69

71

73

800A

800B

802

805

810

815

Impeller

Bracket

Sleeve, Shaft

Washer, Impeller

Seal, Mechanical Shaft

Capscrew, 3/8 - 16 x 1"

Nut, 1/2 - 13 (4 Req.)

Plug, Pipe (5 Req.)

Ring, Retaining

Capscrew, 3/8 - 16 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Gasket, Volute

Washer, Lock

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

# **BERKELEY**® B3TPHS Bronze Impeller

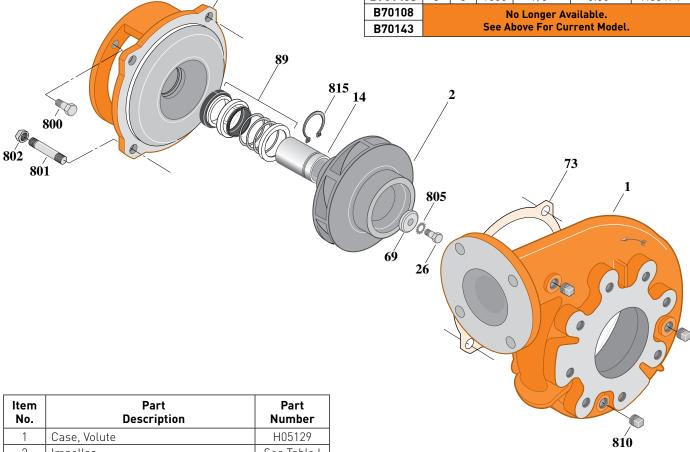
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section		CC		
Page		170.6		
Date		March 4, 2013		
Supersedes 01/01/04				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70108S	3	1	1800	7/8"	6.50"	H05474
B70143S	3	3	1800	7/8"	6.50"	H05474
B70108		No Longer Available. See Above For Current Model.				
B70143						



1482 0195

No.	Description	Number
1	Case, Volute	H05129
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1"	S23566
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	184JM
3	3	L05329	4-1/2"	7/8"	182JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3TPHS Bronze Impeller

810B

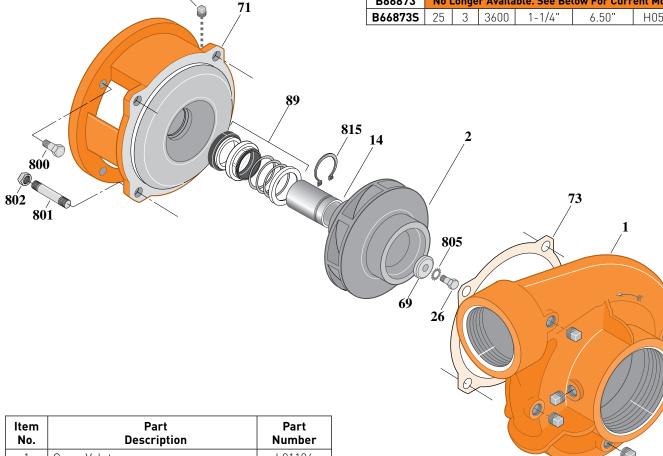
Threaded Case (NPT), Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section	CC		
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Supersedes 01/01/04			

#### Table I

	B/M No.		PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
	B66873	No Longer Available. See Below For Current Mo					
ſ	B66873S	25	3	3600	1-1/4"	6.50"	H05475



Item No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 1/2 - 13 x 1"	S23619
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23038
810	Plug, Pipe (5 Req.)	S23715
815	Ring, Retaining	S16767

#### Table II

810A

1490 0195

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L05779	8-1/2"	1-1/4"	256JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3TPHS Bronze Impeller

810B

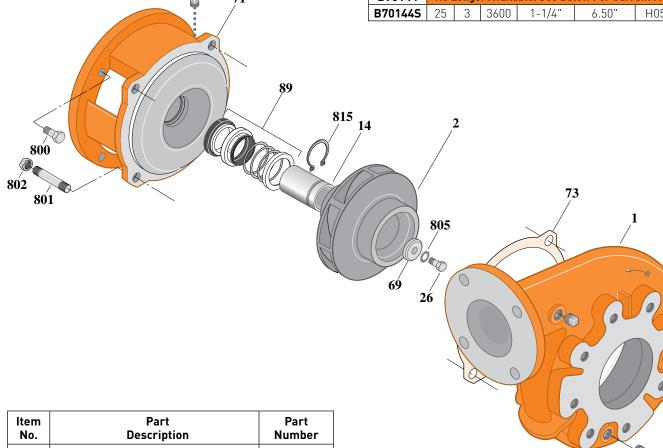
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section		CC		
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Supersedes 01/01/04				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70144	No Longer Available. See Below For Current					
B70144S	25	3	3600	1-1/4"	6.50"	H05475



Item No.	Part Description	Part Number
1	Case, Volute	H05129
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 1/2 - 13 x 1"	S23619
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S16767

810A

1491 0195

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L05779	8-1/2"	1-1/4"	256JM

Table II

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



810

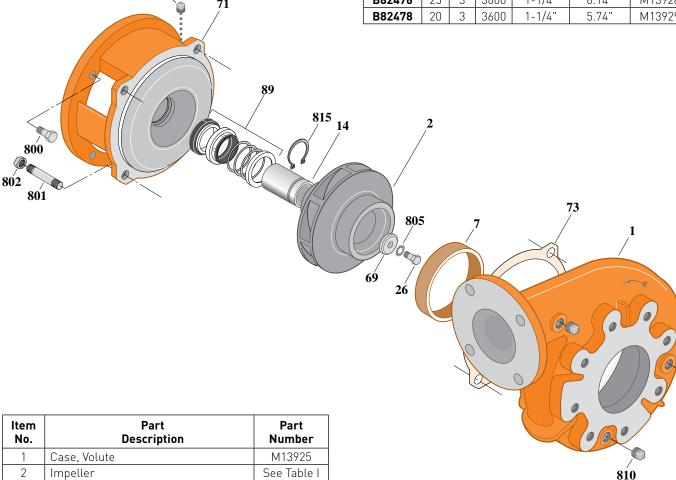
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section		CC
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	Superse	des 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B82476	25	3	3600	1-1/4"	6.14"	M13928
B82478	20	3	3600	1-1/4"	5.74"	M13929



Item No.	Part Description	Part Number
1	Case, Volute	M13925
2	Impeller	See Table I
7	Ring, Wearing	M13926
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	M13927
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32015
800	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S26460
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (5 Req.)	S23715
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L05779	8-1/2"	1-1/4"	256JM
20	3	L05779	8-1/2"	1-1/4"	254JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



4475 1203

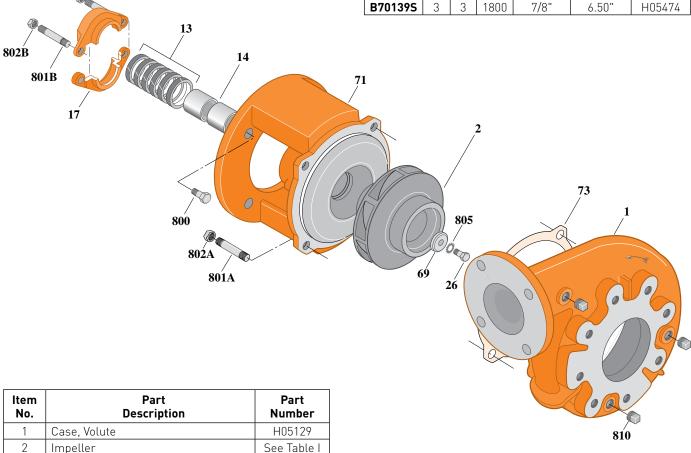
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

Section		CC		
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70105S	3	1	1800	7/8"	6.50"	H05474
B70139S	3	3	1800	7/8"	6.50"	H05474



S13469

S00619 S00393

S23566

S34383

S06314

See Table II

S04757

S26825

S24043

S08303

S23107

S23343

S23036

S23715

1792 0595

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L01525	4-1/2"	7/8"	184JP
3	3	L01525	4-1/2"	7/8"	182JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69 71

73

800

801B

802A

802B

805

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Rings, Packing (Set of 6)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 1/2 - 13 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (3 Req.)

Sleeve, Shaft (2 Req.)

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

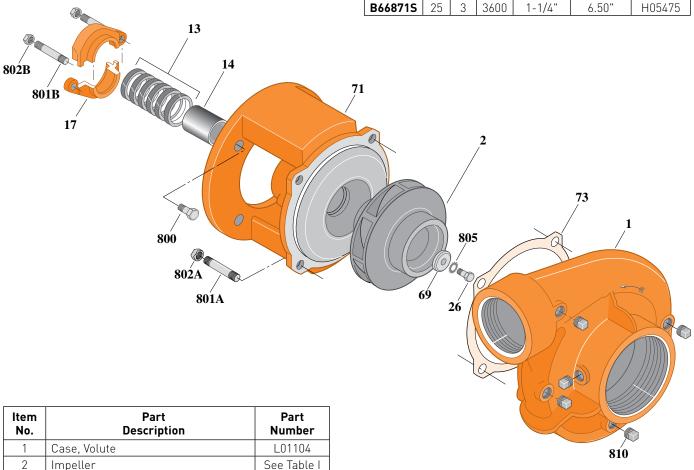
Threaded Case (NPT), Packing Construction

#### FLECTRIC MOTOR DRIVE

Section		CC		
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66871S	25	3	3600	1-1/4"	6.50"	H05475



S13470

S05149 S12034

S23619

S23677

S06319

See Table II

S04757

S26912

S24043

S04441

S23107

S23343

S23038

S23715

1793 0595

#### Table II

H	HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
	25	3	L01951	8-1/2"	1-1/4"	256JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69 71

73

800

801B 802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Nut, Hex 1/2 - 13 [4 Req.]

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (5 Req.)

Sleeve, Shaft

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

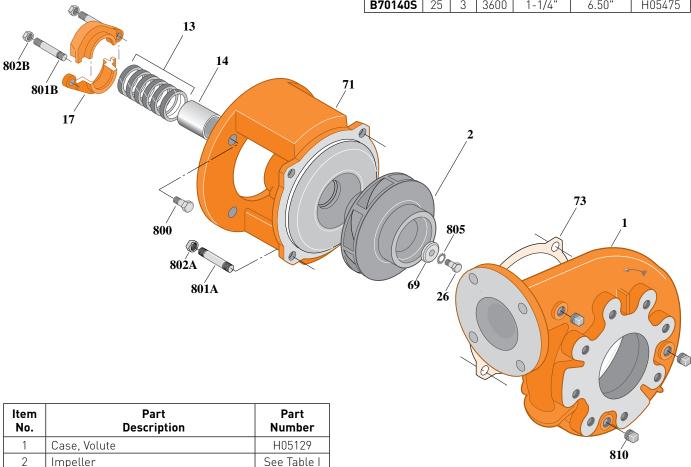
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

Section	CC			
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70140S	25	3	3600	1-1/4"	6.50"	H05475



S23343

S23038

S23715

1794 0595

13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149
17	Gland, Packing	S12034
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S04757
800	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 3/8 - 16 x 3-1/2" (2 Req.)	S04441
802A	Nut. Hex 1/2 - 13 (4 Rea.)	S23017

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L01951	8-1/2"	1-1/4"	256JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



802B

805

Washer, Lock

Nut, Hex 3/8 - 16 (2 Reg.)

Plug, Pipe 1/4" NPT (3 Req.)

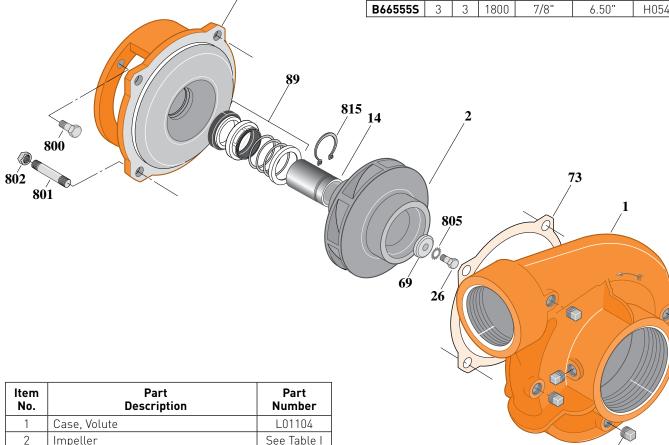
Threaded Case (NPT), Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section		CC			
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Supersedes 09/01/97					

#### Table I

B/M N	ο.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66554	S	3	1	1800	7/8"	6.50"	H05474
B66555	S	3	3	1800	7/8"	6.50"	H05474



1481 0195

Item No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
14	Sleeve, Shaft	S19310
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (5 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	184JM
3	3	L05329	4-1/2"	7/8"	182JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



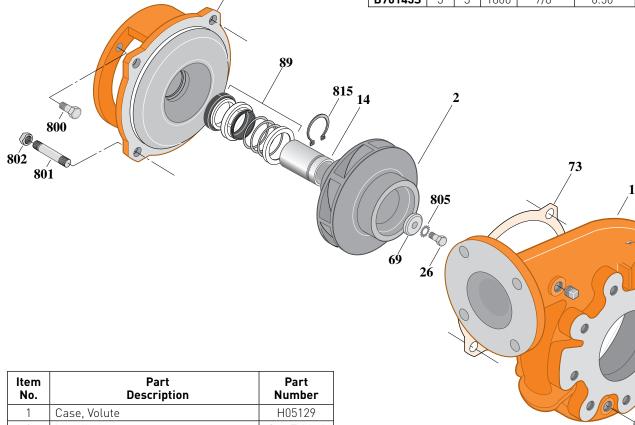
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section	CC			
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Date	March 4, 2013			
Supersedes 09/01/97				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70108S	3	1	1800	7/8"	6.50"	H05474
B70143S	3	3	1800	7/8"	6.50"	H05474



Item No.	Part Description	Part Number
1	Case, Volute	H05129
2	Impeller	See Table I
14	Sleeve, Shaft	S19310
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.

#### Table II

**810** 

1482 0195

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	184JM
3	3	L05329	4-1/2"	7/8"	182JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



810B

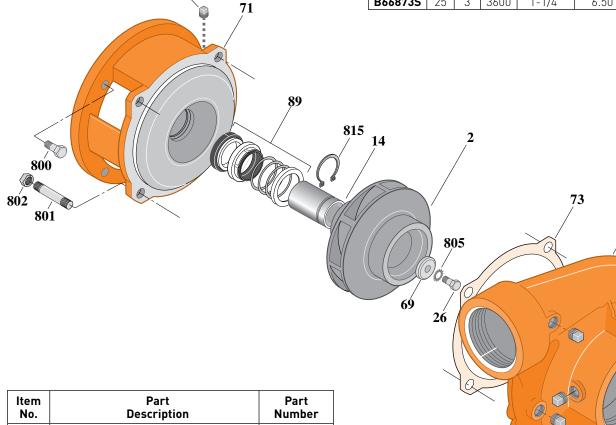
Threaded Case (NPT), Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section	CC			
Page	170.15			
Date	March 4, 2013			
Supersedes 09/01/97				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66873S	25	3	3600	1-1/4"	6.50"	H05475



Item No.	Part Description	Part Number
1	Case, Volute	L01104
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S04757
89	Seal, Mechanical Shaft	S32015
800	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802	Nut, 1/2 - 13 (4 Req.)	S23107
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4" NPT (5 Req.)	S23715
810B	Plug, Pipe 1/8" NPT (In Bracket)	S23714
815	Ring, Retaining	S16767

• Not illustrated.

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ГΞ	١h	10	·	
ıc	ıv	L		

810A

1490 0195

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L05779	8-1/2"	1-1/4"	256JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



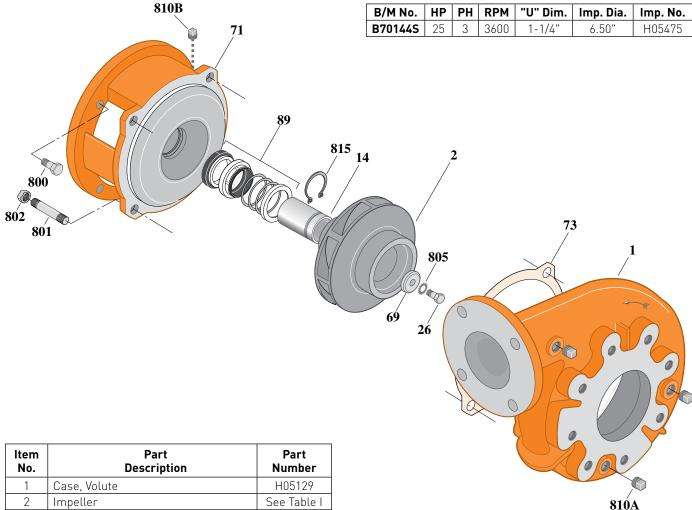
Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

Section	CC				
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Date	March 4, 2013				
Supersedes 09/01/97					

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70144S	25	3	3600	1-1/4"	6.50"	H05475



S23038

S23715

S23714

S16767

14 Sleeve, Shaft S18869 Screw, Impeller 1/2 - 13 x 1" 26 S23619 32 Key, 1/4 x 2-1/4" (See Note) S23677 Washer, Impeller 69 S06319 71 Bracket See Table II 73 Gasket, Volute S04757 89 Seal, Mechanical Shaft S32015 800 Capscrew, 1/2 - 13 x 1" (4 Req.) S26912 Stud, 1/2 - 13 x 1-1/2" (4 Req.) S24043 Nut, 1/2 - 13 (4 Req.) S23107 802

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L05779	8-1/2"	1-1/4"	256JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



805

810A

810B

815

Washer, Lock

Ring, Retaining

Plug, Pipe 1/4" NPT (3 Reg.)

Plug, Pipe 1/8" NPT (In Bracket)

1491 0195

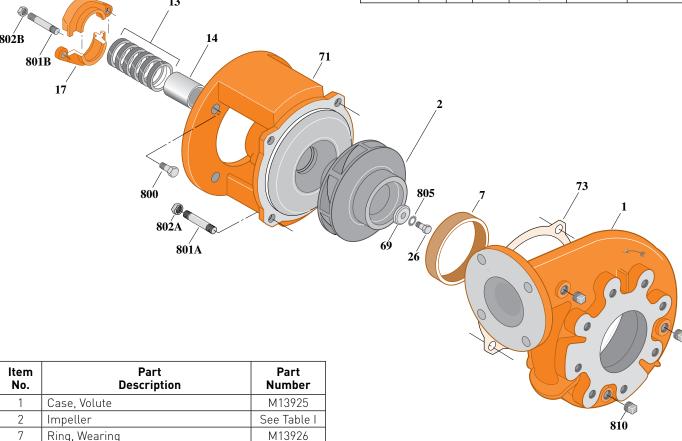
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

Section	CC			
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Date	March 4, 2013			
Supersedes 01/01/04				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B82475	25	3	3600	1-1/4"	6.14"	M13928
B82477	20	3	3600	1-1/4"	5.74"	M13929



S13470

S05149

B82470

S23619

S23677

M13927

See Table II

S04757

S26912

S24043

S04441

S26460

S23343

S23038

S23715

4474 1203

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L01951	8-1/2"	1-1/4"	256JP
20	3	L01951	8-1/2"	1-1/4"	254JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69 71

73

800

801B

802A

802B

805

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 3-1/2" (2 Req.)

Nut, Hex 1/2 - 13 (2 Req.)

Nut, Hex 3/8 - 16 (3 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Sleeve, Shaft

Gland, Packing

Washer, Impeller

Gasket, Volute

Washer, Lock

# **BERKELEY**® B3ZPL Cast Iron Impeller

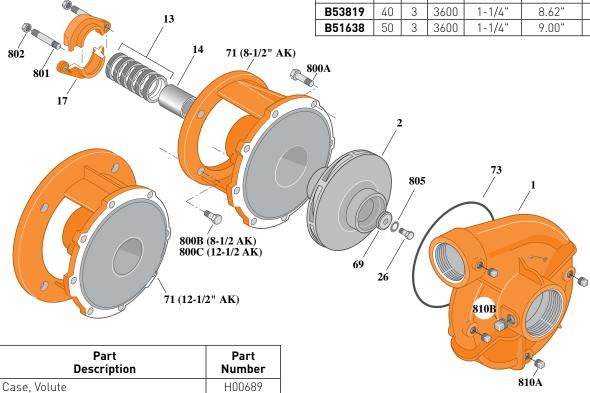
Threaded Case (NPT), Packing Construction

#### FLECTRIC MOTOR DRIVE

Section		CC			
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Supersedes 07/01/11					

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51634	20	3	3600	1-1/4"	6.75"	M07705
B51635	25	3	3600	1-1/4"	7.25"	M07706
B53818	30	3	3600	1-1/4"	7.75"	M07707
B53819	40	3	3600	1-1/4"	8.62"	M07708
B51638	50	3	3600	1-1/4"	9.00"	M03380



S23038

S23715

S23717

2 Impeller See Table I 13 Rings, Packing (Set of 6) S13470 Sleeve, Shaft S05149L 14 17 Gland, Packing B82470 26 Screw, Impeller 1/2 - 13 x 1-1/2" S23623 32 Key, 1/4 x 2-1/4" (See Note 1) S23677 Washer, Impeller 69 S06319 71 Bracket See Table II 73 O-Ring (See Note 2) M14943 A008 Capscrew, 3/8 - 16 x 1-1/8" (8 Req.) S26827 Capscrew,  $1/2 - 13 \times 1 - 1/2$ " (4 Req.) 800B S26916 Capscrew, 5/8 - 11 x 1-1/2" (4 Req.) 800C S26999 Stud, 3/8 - 16 x 4" (2 Req.) S08303 801 802 Nut, Hex 3/8 - 16 (2 Req.) S23343

#### Table II

1746 1210

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



805

810A

810B

Item

No.

Washer, Lock

Plug, Pipe 1/2 NPT

Plug, Pipe 1/4 NPT (4 Reg.)

# **BERKELEY**® B3ZPL Cast Iron Impeller

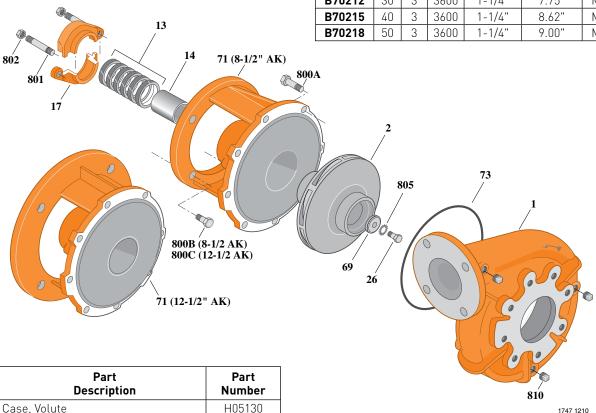
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

Section	CC
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Sup	persedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70206	20	3	3600	1-1/4"	6.75"	M07705
B70209	25	3	3600	1-1/4"	7.25"	M07706
B70212	30	3	3600	1-1/4"	7.75"	M07707
B70215	40	3	3600	1-1/4"	8.62"	M07708
B70218	50	3	3600	1-1/4"	9.00"	M03380



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame				
20	3	L03827	8-1/2"	1-1/4"	254JP				
25	3	L03827	8-1/2"	1-1/4"	256JP				
30	3	L01563	12-1/2"	1-1/4"	284JP				
40	3	L01563	12-1/2"	1-1/4"	286JP				
50	3	L01563	12-1/2"	1-1/4"	324JP				

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

# BERKELEY® B3ZPLS

# Cast Iron Impeller

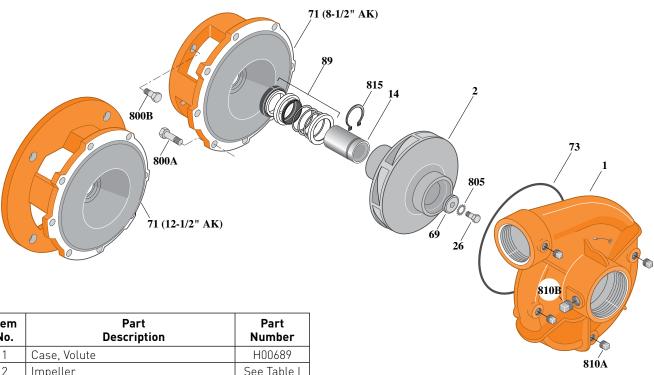
Threaded Case (NPT), Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section	CC
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Date	March 4, 2013
	Supersedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54112	20	3	3600	1-1/4"	6.75"	M07705
B54113	25	3	3600	1-1/4"	7.25"	M07706
B54114	30	3	3600	1-1/4"	7.75"	M07707
B54115	40	3	3600	1-1/4"	8.62"	M07708
B54116	50	3	3600	1-1/4"	9.00"	M03380



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3ZPLS Cast Iron Impeller

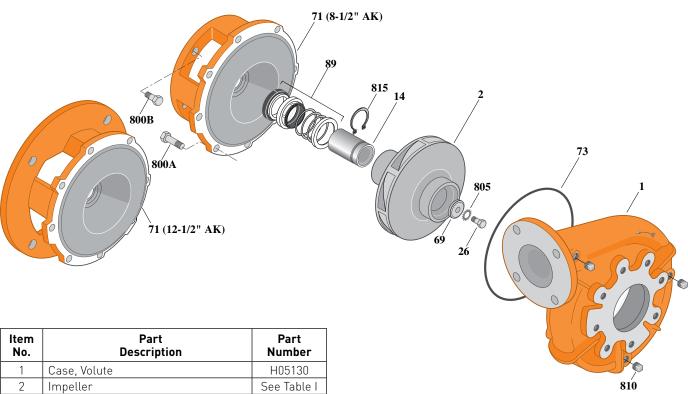
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section	CC
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Date	March 4, 2013
	Supersedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70221	20	3	3600	1-1/4"	6.75"	M07705
B70224	25	3	3600	1-1/4"	7.25"	M07706
B70227	30	3	3600	1-1/4"	7.75"	M07707
B70230	40	3	3600	1-1/4"	8.62"	M07708
B70233	50	3	3600	1-1/4"	9.00"	M03380



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S16767

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



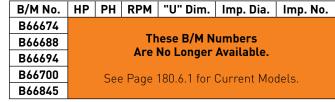
# **BERKELEY**® B3ZPL Bronze Impeller

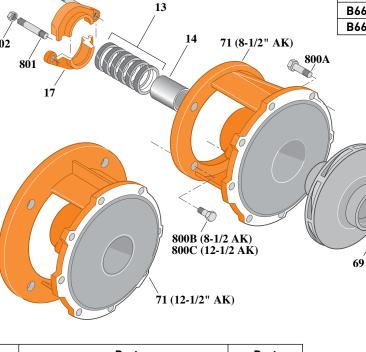
Threaded Case (NPT), Packing Construction

#### FLECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 07/01/11

#### Table I





Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

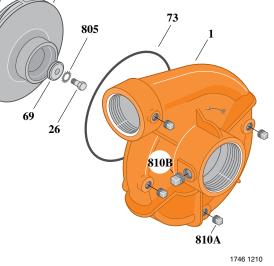


Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



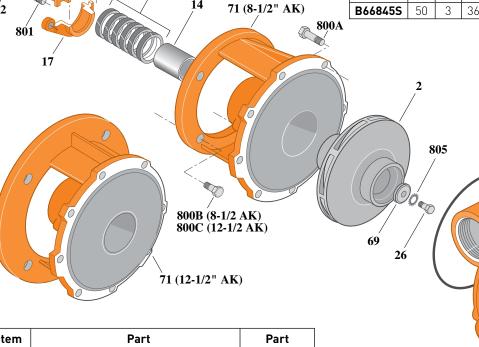
Threaded Case (NPT), Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66674S	20	3	3600	1-1/4"	6.75"	H05484
B66688S	25	3	3600	1-1/4"	7.25"	H05485
B66694S	30	3	3600	1-1/4"	7.75"	H05486
B66700S	40	3	3600	1-1/4"	8.62"	H05487
B66845S	50	3	3600	1-1/4"	9.00"	H05488



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

1746 1210

810A

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13

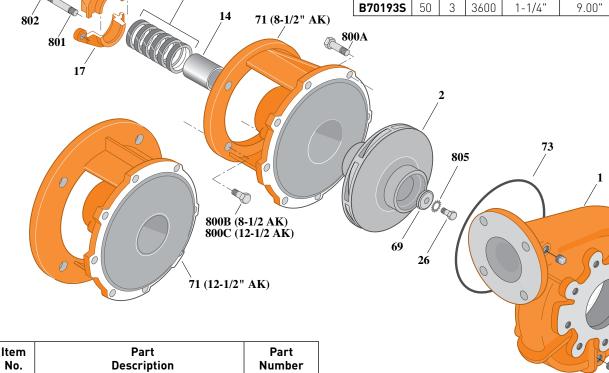
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

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	Supersedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70181S	20	3	3600	1-1/4"	6.75"	H05484
B70184S	25	3	3600	1-1/4"	7.25"	H05485
B70187S	30	3	3600	1-1/4"	7.75"	H05486
B70190S	40	3	3600	1-1/4"	8.62"	H05487
B70193S	50	3	3600	1-1/4"	9.00"	H05488



H05130

See Table I

S13470

S05149L

B82470

S23623

S23677

S06319

See Table II

M14943

S26826

S26916

S26999

S08303

S23343

S23038

S23715

1747 1210

#### Table II

14410 11							
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame		
20	3	L03827	8-1/2"	1-1/4"	254JP		
25	3	L03827	8-1/2"	1-1/4"	256JP		
30	3	L01563	12-1/2"	1-1/4"	284JP		
40	3	L01563	12-1/2"	1-1/4"	286JP		
50	3	L01563	12-1/2"	1-1/4"	324JP		

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



Washer, Lock

Case, Volute

Sleeve, Shaft

Gland, Packing

Washer, Impeller

O-Ring (See Note 2)

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1-1/2"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Impeller

Bracket

2

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14

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26

32

69 71

73

800A

800B

800C

801

802

805

# **BERKELEY**® B3ZPL Bronze Impeller

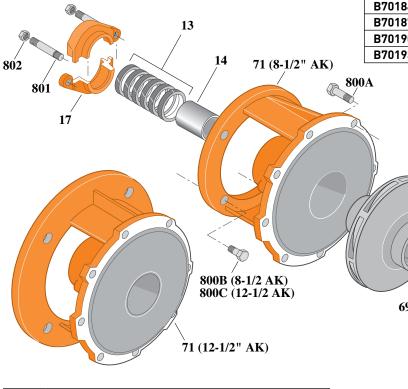
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

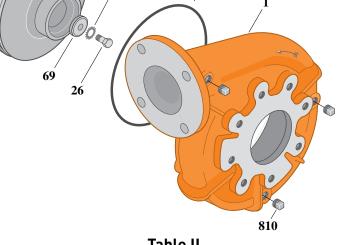
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	Supersedes	07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70181	20	3	3600	1-1/4"	6.75"	L06598
B70184	25	3	3600	1-1/4"	7.25"	L06599
B70187	30	3	3600	1-1/4"	7.75"	L06600
B70190	40	3	3600	1-1/4"	8.62"	L06601
B70193	50	3	3600	1-1/4"	9.00"	L06659



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 2)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715



805

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

# BERKELEY® B3ZPLS

# Bronze Impeller

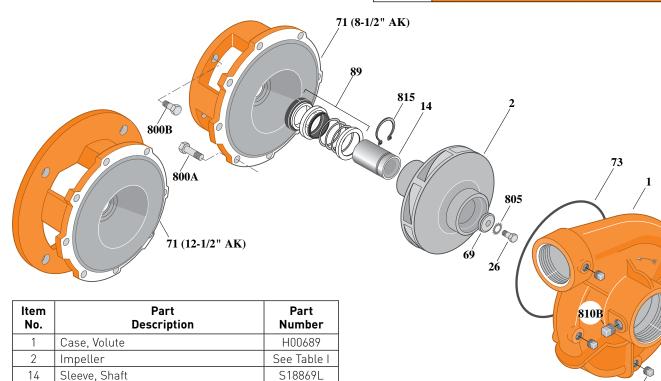
Threaded Case (NPT), Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

Section	CC			
Page	180.7			
Date	March 4, 2013			
Supersedes 07/01/11				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.	
B66675							
B66689	These B/M Numbers						
B66695		Are No Longer Available.					
B66701	See Page 180.8.1 for Current Models.						
B66847							



S23623

S23677

S06319

See Table II

M14943

S32015

S26826

S26912

S26997

S23038

S23715

S23717

S16767

M14943

#### Table II

810A

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



26

32

69

73

89

800A

800B

800B

805

810A

810B

815

Screw, Impeller 1/2 - 13 x 1-1/2"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.) Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (4 Req.)

Capscrew, 5/8 - 11 x 1-1/4" (4 Req.)

Washer, Impeller

(For 8-1/2 AK)

(For 12-1/2 AK)

Plug, Pipe 1/2 NPT

O-Ring (See Note 3)

Ring, Retaining

Washer, Lock

O-Ring (See Note 2)

Seal, Mechanical Shaft

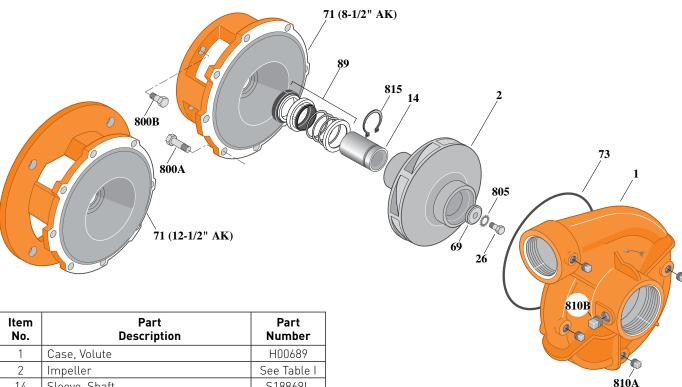
Threaded Case (NPT), Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section	CC
Page	180.8.1
Date	March 4, 2013
Sup	ersedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66675S	20	3	3600	1-1/4"	6.75"	H05484
B66689S	25	3	3600	1-1/4"	7.25"	H05485
B66695S	30	3	3600	1-1/4"	7.75"	H05486
B66701S	40	3	3600	1-1/4"	8.62"	H05487
B66847S	50	3	3600	1-1/4"	9.00"	H05488



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



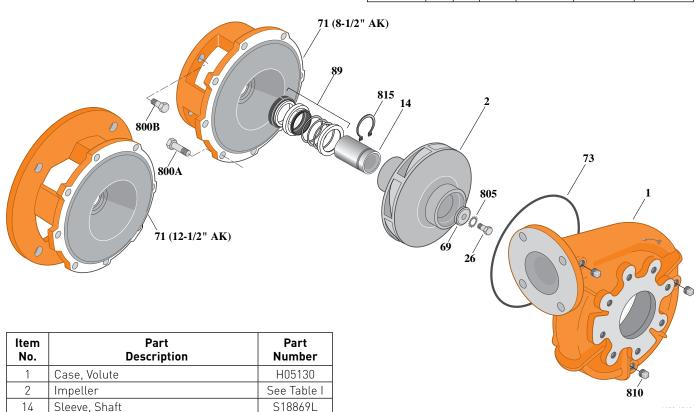
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section	CC
Page	180.8.2
Date	March 4, 2013
	Supersedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70196S	20	3	3600	1-1/4"	6.75"	H05484
B70198S	25	3	3600	1-1/4"	7.25"	H05485
B70200S	30	3	3600	1-1/4"	7.75"	H05486
B70202S	40	3	3600	1-1/4"	8.62"	H05487
B70204S	50	3	3600	1-1/4"	9.00"	H05488



S23623

S23677

S06319

See Table II

M14943

S32015

S26826

S26912

S26997

S23038

S23715

S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



26

32

69

71

73

800A

800B

800B

805

810

815

Screw, Impeller 1/2 - 13 x 1-1/2"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Capscrew, 5/8 - 11 x 1-1/4" (4 Req.)

Washer, Impeller

(For 8-1/2 AK)

(For 12-1/2 AK)

Ring, Retaining

Washer, Lock

O-Ring (See Note 2)

Seal, Mechanical Shaft

## **BERKELEY**® B3ZPLS Bronze Impeller

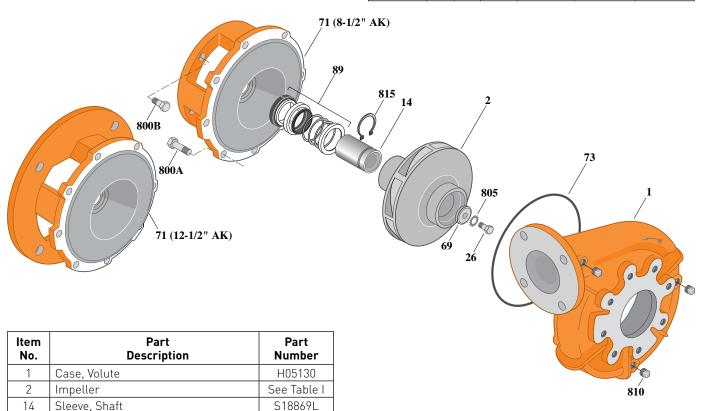
Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

Section	CC			
Page	180.8			
Date	March 4, 2013			
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70196	20	3	3600	1-1/4"	6.75"	L06598
B70198	25	3	3600	1-1/4"	7.25"	L06599
B70200	30	3	3600	1-1/4"	7.75"	L06600
B70202	40	3	3600	1-1/4"	8.62"	L06601
B70204	50	3	3600	1-1/4"	9.00"	L06659



S23623

S23677

S06319

See Table II

M14943

S32015

S26826

S26912

S26997

S23038

S23715

S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



26

32

69

71

73

800A

800B

800B

805

810

815

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Screw, Impeller 1/2 - 13 x 1-1/2"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Capscrew, 5/8 - 11 x 1-1/4" (4 Req.)

Washer, Impeller

(For 8-1/2 AK)

(For 12-1/2 AK)

Ring, Retaining

Washer, Lock

O-Ring (See Note 2)

Seal, Mechanical Shaft

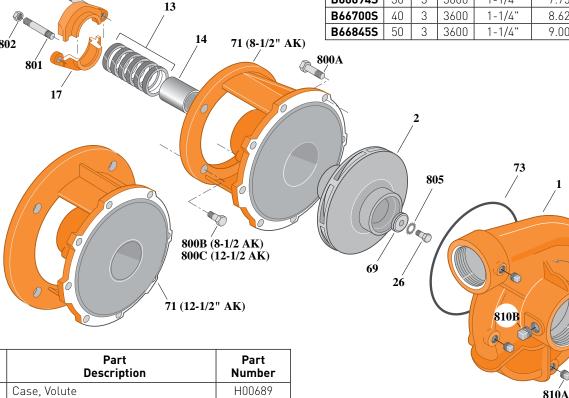
Threaded Case (NPT), Packing Construction

#### ELECTRIC MOTOR DRIVE

Section		CC		
Page		180.9		
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Supersedes 07/01/11				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66674S	20	3	3600	1-1/4"	6.75"	H05484
B66688S	25	3	3600	1-1/4"	7.25"	H05485
B66694S	30	3	3600	1-1/4"	7.75"	H05486
B66700S	40	3	3600	1-1/4"	8.62"	H05487
B66845S	50	3	3600	1-1/4"	9.00"	H05488



See Table I

S13470

S05149L

B82470

S23623

S23677

S06319

See Table II

M14943

S26826

S26916

S26999

S08303

S23343

S23038

S23715

S23717

1746 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



Item

No.

13

14

17

26

69

71

73

A008

800B

800C

801

802

805

810A

810B

Impeller

Bracket

Sleeve, Shaft

Gland, Packing

Washer, Impeller

O-Ring (See Note 2)

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1-1/2"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (4 Reg.)

Washer, Lock

Plug, Pipe 1/2" NPT

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

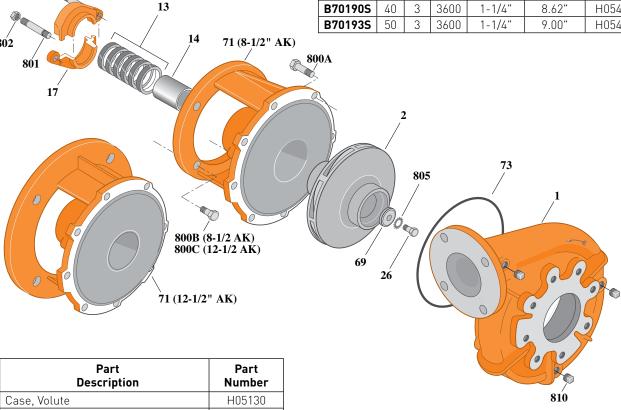
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70181S	20	3	3600	1-1/4"	6.75"	H05484
B70184S	25	3	3600	1-1/4"	7.25"	H05485
B70187S	30	3	3600	1-1/4"	7.75"	H05486
B70190S	40	3	3600	1-1/4"	8.62"	H05487
B70193S	50	3	3600	1-1/4"	9.00"	H05488



See Table I

S13470

S05149L

B82470

S23623

S23677

S06319

See Table II

M14943

S26826

S26916

S26999

S08303

S23343

S23038

S23715

1747 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L03827	8-1/2"	1-1/4"	254JP
25	3	L03827	8-1/2"	1-1/4"	256JP
30	3	L01563	12-1/2"	1-1/4"	284JP
40	3	L01563	12-1/2"	1-1/4"	286JP
50	3	L01563	12-1/2"	1-1/4"	324JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



Item

No.

13

14

17

26

32

69

71

73

800A

800B

800C

801

802

805

Impeller

Bracket

Sleeve, Shaft

Gland, Packing

Washer, Impeller

O-Ring (See Note 2)

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1-1/2"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (3 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Washer, Lock

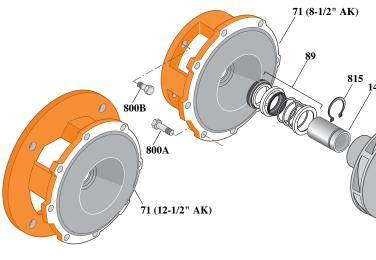
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section		CC
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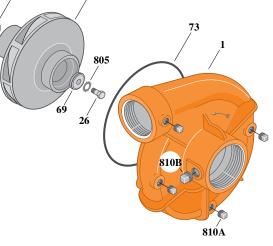
#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66675S	20	3	3600	1-1/4"	6.75"	H05484
B66689S	25	3	3600	1-1/4"	7.25"	H05485
B66695S	30	3	3600	1-1/4"	7.75"	H05486
B66701S	40	3	3600	1-1/4"	8.62"	H05487
B66847S	50	3	3600	1-1/4"	9.00"	H05488



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 12-1/2 AK)	S26997
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.



1498 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



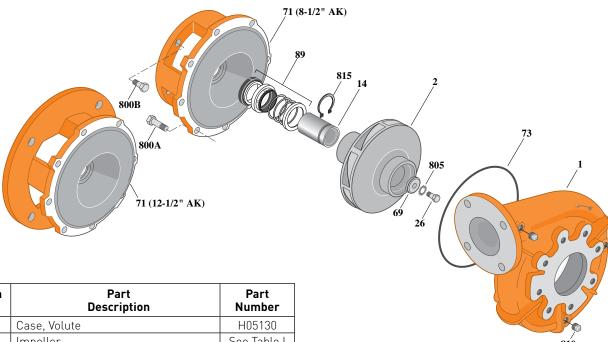
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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	Supersedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70196S	20	3	3600	1-1/4"	6.75"	H05484
B70198S	25	3	3600	1-1/4"	7.25"	H05485
B70200S	30	3	3600	1-1/4"	7.75"	H05486
B70202S	40	3	3600	1-1/4"	8.62"	H05487
B70204S	50	3	3600	1-1/4"	9.00"	H05488



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.) For 8-1/2 AK)	S26912
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) [For 12-1/2 AK]	S26997
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	L04615	8-1/2"	1-1/4"	254JM
25	3	L04615	8-1/2"	1-1/4"	256JM
30	3	L04627	12-1/2"	1-1/4"	284JM
40	3	L04627	12-1/2"	1-1/4"	286JM
50	3	L04627	12-1/2"	1-1/4"	324JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



# **BERKELEY**® B3ZPM Cast Iron Impeller

801B (1-1/4 U)

Threaded Case (NPT), Packing Construction

17A (7/8 U) 17B (1-1/4 U) 13A (7/8 U) 13B (1-1/4 U)

800C (7/8 U) 800D (1-1/4 U)

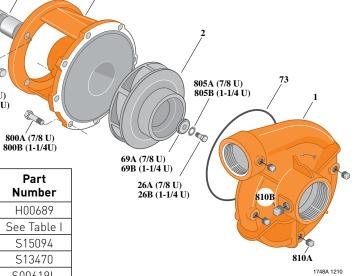
14A (7/8 U) 14B (1-1/4 U)

## ELECTRIC MOTOR DRIVE

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	Superse	des 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53820	3	1	1800	7/8"	6.06"	M07709
B53823	3	3	1800	7/8"	6.06"	M07709
B53821	5	1	1800	1-1/4"	7.00"	M07711
B53824	5	3	1800	7/8"	7.00"	M07710



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3ZPM Cast Iron Impeller

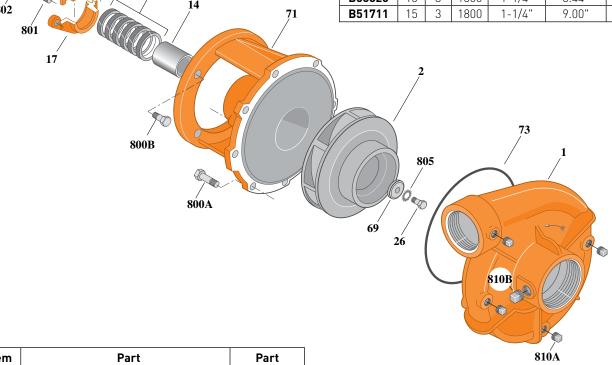
Threaded Case (NPT), Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53822	7.5	1	1800	1-1/4"	7.88"	M07712
B53825	7.5	3	1800	1-1/4"	7.88"	M07712
B55579	10	1	1800	1-1/4"	8.44"	M07713
B53826	10	3	1800	1-1/4"	8.44"	M07713
B51711	15	3	1800	1-1/4"	9.00"	M02911



1748B 1210

Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3ZPM Cast Iron Impeller

13A (7/8 U) 13B (1-1/4 U)

> 14A (7/8 U) 14B (1-1/4 U)

Flanged Case, Packing Construction

801A (7/8 U) 801B (1-1/4 U)

17B

26A

26B

32A 32B

69A

69B

71

73 800A

800B

800C

801A

801B

802

805A

805B

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note 1)

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (12 Req.)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 3" (2 Reg.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Washer, Lock

Washer, Lock

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

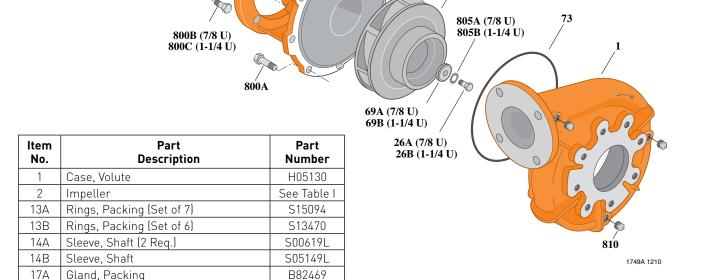
17A (7/8 U) 17B (1-1/4 U)

## FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70158	3	1	1800	7/8"	6.06"	M07709
B70236	3	3	1800	7/8"	6.06"	M07709
B70159	5	1	1800	1-1/4"	7.00"	M07711
B70237	5	3	1800	7/8"	7.00"	M07710



B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3ZPM Cast Iron Impeller

Flanged Case, Packing Construction

802

13

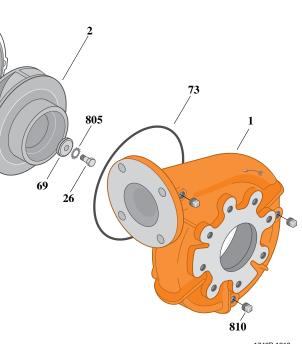
800B

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70163	7.5	1	1800	1-1/4"	7.88"	M07712
B70239	7.5	3	1800	1-1/4"	7.88"	M07712
B70166	10	1	1800	1-1/4"	8.44"	M07713
B70240	10	3	1800	1-1/4"	8.44"	M07713
B70241	15	3	1800	1-1/4"	9.00"	M02911



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Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



# BERKELEY® B3ZPMS

# Cast Iron Impeller

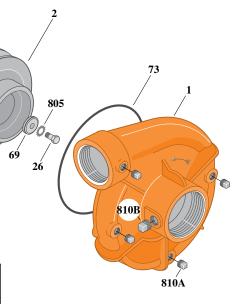
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54599	3	1	1800	7/8"	6.06"	M07709
B54603	3	3	1800	7/8"	6.06"	M07709
B54600	5	1	1800	7/8"	7.00"	M07710
B54604	5	3	1800	7/8"	7.00"	M07710
B54601	7.5	1	1800	7/8"	7.88"	M07764
B54605	7.5	3	1800	7/8"	7.88"	M07764
B54652	10	1	1800	7/8"	8.44"	M07765
B54606	10	3	1800	7/8"	8.44"	M07765



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) [8-1/2 AK] (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



800B (4-1/2 AK) 800C (8-1/2 AK)

800A

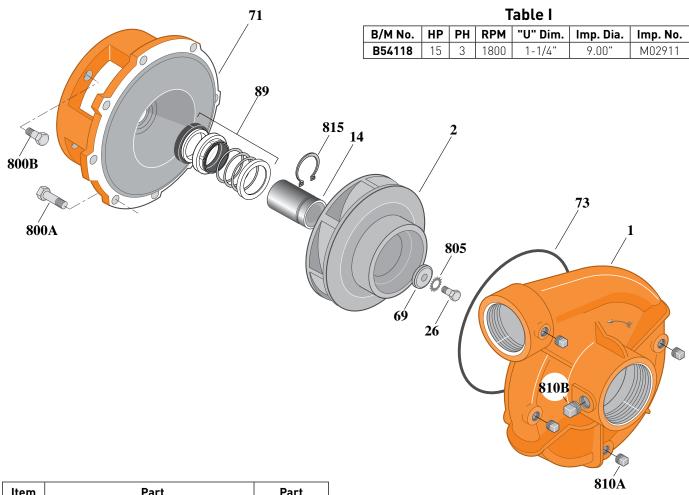
## **BERKELEY**® B3ZPMS

# Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1"(8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	თ	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



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# **BERKELEY**® B3ZPMS Cast Iron Impeller

810B

800B (4-1/2 AK) 800C (8-1/2 AK)

800A

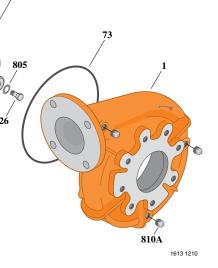
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70169	3	1	1800	7/8"	6.06"	M07709
B70244	3	3	1800	7/8"	6.06"	M07709
B70172	5	1	1800	7/8"	7.00"	M07710
B70245	5	3	1800	7/8"	7.00"	M07710
B70175	7.5	1	1800	7/8"	7.88"	M07764
B70247	7.5	3	1800	7/8"	7.88"	M07764
B70178	10	1	1800	7/8"	8.44"	M07765
B70248	10	3	1800	7/8"	8.44"	M07765



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) [8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

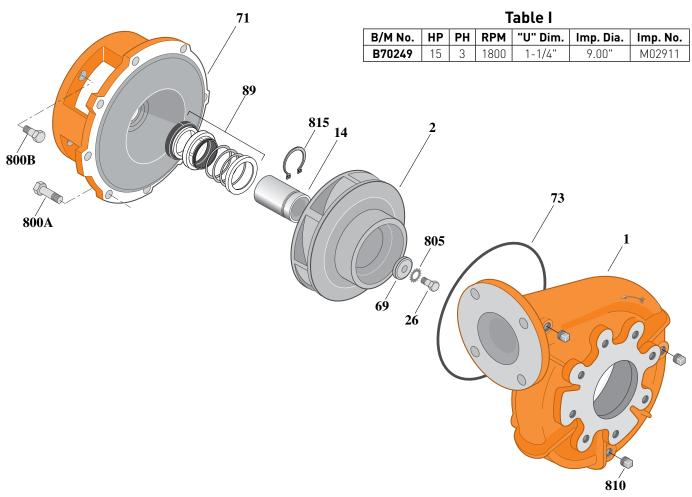
**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

# **BERKELEY**® B3ZPMS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
A008	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



1614 0195

# **BERKELEY**® B3ZPM Bronze Impeller

801A (7/8 U) 801B (1-1/4 U)

> 17A (7/8 U) 17B (1-1/4 U)

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

800C (7/8 U) 800D (1-1/4 U)

14A (7/8 U)

800A (7/8 U) 800B (1-1/4U)

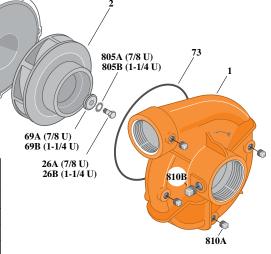
14B (1-1/4 U)

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66568	3	1	1800	7/8"	6.06"	L06697
B66569	3	3	1800	7/8"	6.06"	L06697
B66580	5	1	1800	1-1/4"	7.00"	L06692
B66581	5	3	1800	7/8"	7.00"	L06696



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note 1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



801A (7/8 U) 801B (1-1/4 U)

> 17A (7/8 U) 17B (1-1/4 U)

Threaded Case (NPT), Packing Construction

13A (7/8 U) 13B (1-1/4 U)

800C (7/8 U) 800D (1-1/4 U)

14A (7/8 U) 14B (1-1/4 U)

800A (7/8 U) 800B (1-1/4U)

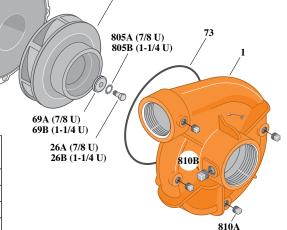
S23717

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66568S	3	1	1800	7/8"	6.06"	H05480
B66569S	3	3	1800	7/8"	6.06"	H05480
B66580S	5	1	1800	1-1/4"	7.00"	H05478
B66581S	5	3	1800	7/8"	7.00"	H05481



ltem No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note 1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



810B

Plug, Pipe 1/2 NPT

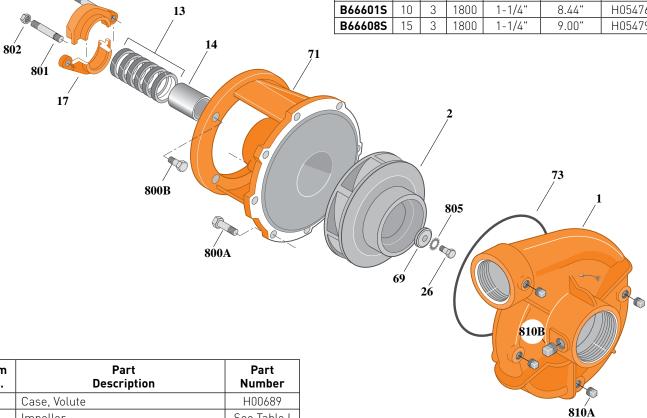
Threaded Case (NPT), Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66590S	7.5	1	1800	1-1/4"	7.88"	H05477
B66591S	7.5	3	1800	1-1/4"	7.88"	H05477
B66600S	10	1	1800	1-1/4"	8.44"	H05476
B66601S	10	3	1800	1-1/4"	8.44"	H05476
B66608S	15	3	1800	1-1/4"	9.00"	H05479



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

#### Table II

	1 4 4 4 1 1							
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame			
7.5	1	L03827	8-1/2"	1-1/4"	215JP			
7.5	3	L03827	8-1/2"	1-1/4"	213JP			
10	1	L03827	8-1/2"	1-1/4"	215JP			
10	3	L03827	8-1/2"	1-1/4"	215JP			
15	3	L03827	8-1/2"	1-1/4"	254JP			

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3ZPM Bronze Impeller

Threaded Case (NPT), Packing Construction

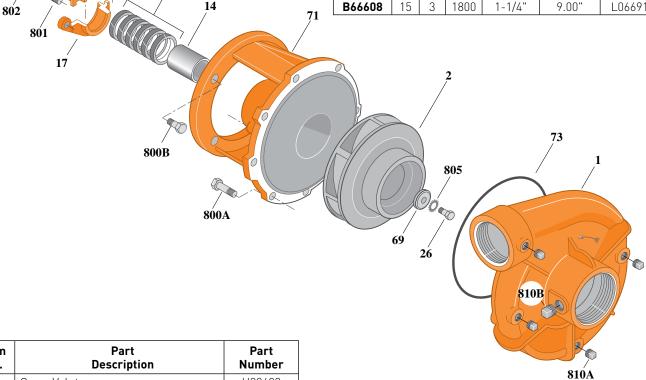
13

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66590	7.5	1	1800	1-1/4"	7.88"	L06694
B66591	7.5	3	1800	1-1/4"	7.88"	L06694
B66600	10	1	1800	1-1/4"	8.44"	L06693
B66601	10	3	1800	1-1/4"	8.44"	L06693
B66608	15	3	1800	1-1/4"	9.00"	L06691



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717

#### Table II

	1 4 4 4 1 1							
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame			
7.5	1	L03827	8-1/2"	1-1/4"	215JP			
7.5	3	L03827	8-1/2"	1-1/4"	213JP			
10	1	L03827	8-1/2"	1-1/4"	215JP			
10	3	L03827	8-1/2"	1-1/4"	215JP			
15	3	L03827	8-1/2"	1-1/4"	254JP			

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3ZPM Bronze Impeller

13A (7/8 U) 13B (1-1/4 U)

> 14A (7/8 U) 14B (1-1/4 U)

Flanged Case, Packing Construction

801A (7/8 U) 801B (1-1/4 U)

26A

26B

32A 32B

69A

69B

71

73 800A

800B

800C

801A

801B

802

805A

805B

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note 1)

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (12 Req.)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Stud, 3/8 - 16 x 3" (2 Reg.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Washer, Lock

Washer, Lock

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

17A (7/8 U) 17B (1-1/4 U)

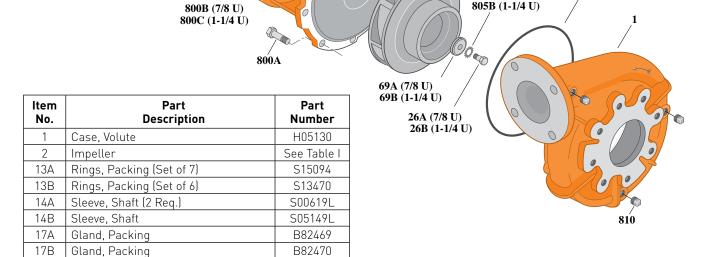
## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71930	3	1	1800	7/8"	6.06"	L06697
B71931	3	3	1800	7/8"	6.06"	L06697
B71932	5	1	1800	1-1/4"	7.00"	L06692
B71933	5	3	1800	7/8"	7.00"	L06696

805A (7/8 U)



S23566

S23619

S34383

S23677

S06314

S06319

See Table II

M14943

S26826

S26827

S26916

S04439

S08303

S23343

S23036

S23038

S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13A (7/8 U) 13B (1-1/4 U)

Flanged Case, Packing Construction

801A (7/8 U) 801B (1-1/4 U)

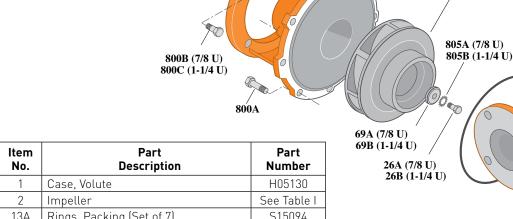
> 17A (7/8 U) 17B (1-1/4 U)

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71930S	3	1	1800	7/8"	6.06"	H05480
B71931S	3	3	1800	7/8"	6.06"	H05480
B71932S	5	1	1800	1-1/4"	7.00"	H05478
B71933S	5	3	1800	7/8"	7.00"	H05481

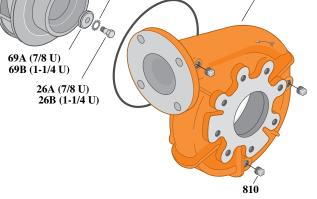


S23038

S23715

14A (7/8 U) 14B (1-1/4 U)

Part Passintian	Part Number
•	
Case, Volute	H05130
Impeller	See Table I
Rings, Packing (Set of 7)	S15094
Rings, Packing (Set of 6)	S13470
Sleeve, Shaft (2 Req.)	S00619L
Sleeve, Shaft	S05149L
Gland, Packing	B82469
Gland, Packing	B82470
Screw, Impeller 3/8 - 16 x 1"	S23566
Screw, Impeller 1/2 - 13 x 1"	S23619
Key, 3/16 x 1-1/4" (See Note 1)	S34383
Key, 1/4 x 2-1/4" (See Note 1)	S23677
Washer, Impeller	S06314
Washer, Impeller	S06319
Bracket	See Table II
O-Ring (See Note 2)	M14943
Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
Capscrew, 3/8 - 16 x 1" (8 Req.)	S26827
Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
Stud, 3/8 - 16 x 3" (2 Req.)	S04439
Stud, 3/8 - 16 x 4" (2 Req.)	S08303
Nut, Hex 3/8 - 16 (2 Req.)	S23343
Washer, Lock	S23036
	Description  Case, Volute Impeller Rings, Packing (Set of 7) Rings, Packing (Set of 6) Sleeve, Shaft (2 Req.) Sleeve, Shaft Gland, Packing Gland, Packing Screw, Impeller 3/8 - 16 x 1" Screw, Impeller 1/2 - 13 x 1" Key, 3/16 x 1-1/4" (See Note 1) Key, 1/4 x 2-1/4" (See Note 1) Washer, Impeller Washer, Impeller Bracket O-Ring (See Note 2) Capscrew, 3/8 - 16 x 1" (12 Req.) Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) Stud, 3/8 - 16 x 4" (2 Req.) Nut, Hex 3/8 - 16 [2 Req.]



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



805B

Washer, Lock

Plug, Pipe 1/4 NPT (3 Req.)

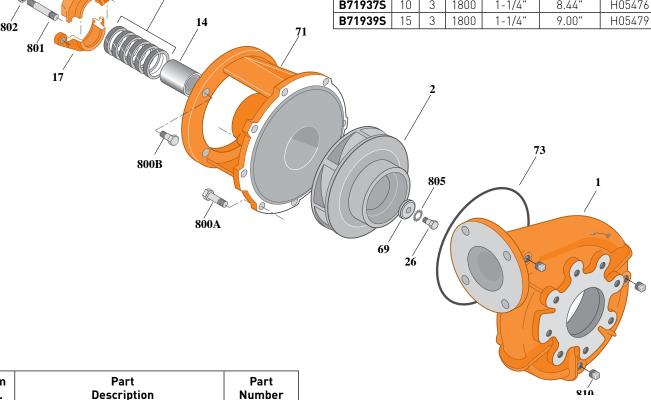
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71934S	7.5	1	1800	1-1/4"	7.88"	H05477
B71935S	7.5	3	1800	1-1/4"	7.88"	H05477
B71936S	10	1	1800	1-1/4"	8.44"	H05476
B71937S	10	3	1800	1-1/4"	8.44"	H05476
B71939S	15	3	1800	1-1/4"	9.00"	H05479



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

# **BERKELEY**® B3ZPM Bronze Impeller

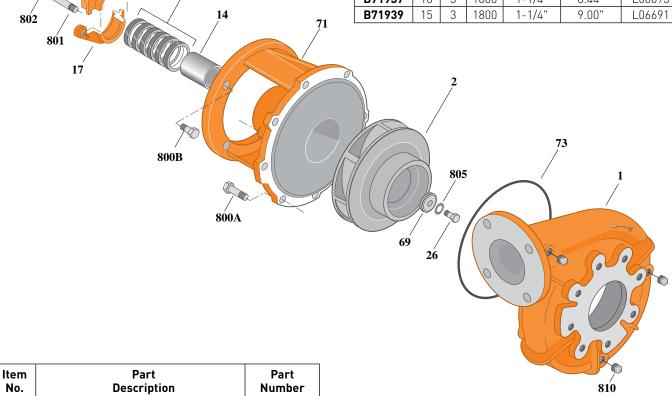
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71934	7.5	1	1800	1-1/4"	7.88"	L06694
B71935	7.5	3	1800	1-1/4"	7.88"	L06694
B71936	10	1	1800	1-1/4"	8.44"	L06693
B71937	10	3	1800	1-1/4"	8.44"	L06693
B71939	15	3	1800	1-1/4"	9.00"	L06691



H05130

See Table I

S13470

S05149L

B82470

S23619

S23677

S06319

See Table II

M14943

S26826

S26916

S08303

S23343

S23038

S23715

1749B 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



Washer, Lock

Case, Volute

Sleeve, Shaft

Gland, Packing

Washer, Impeller

O-Ring (See Note 2)

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Reg.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Impeller

Bracket

13

14

17

26

32

69 71

800A

800B

801

802

805

810

# BERKELEY® B3ZPMS

# Bronze Impeller

800B (4-1/2 AK) 800C (8-1/2 AK)

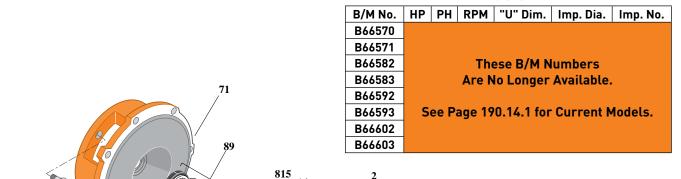
800A

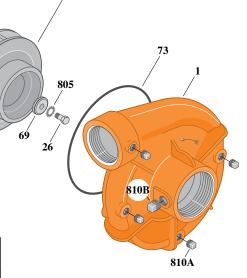
Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### Table I





Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



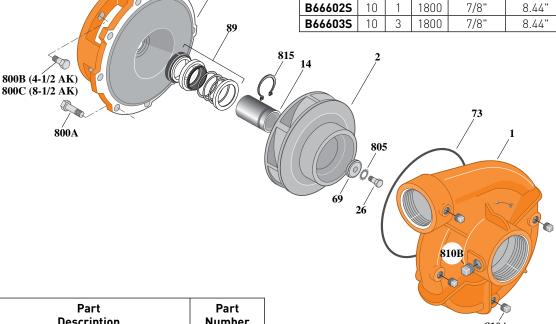
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66570S	3	1	1800	7/8"	6.06"	H05480
B66571S	3	3	1800	7/8"	6.06"	H05480
B66582S	5	1	1800	7/8"	7.00"	H05481
B66583S	5	3	1800	7/8"	7.00"	H05481
B66592S	7.5	1	1800	7/8"	7.88"	H05482
B66593S	7.5	3	1800	7/8"	7.88"	H05482
B66602S	10	1	1800	7/8"	8.44"	H05483
B66603S	10	3	1800	7/8"	8.44"	H05483



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S11207

#### Table II

HP	РН	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



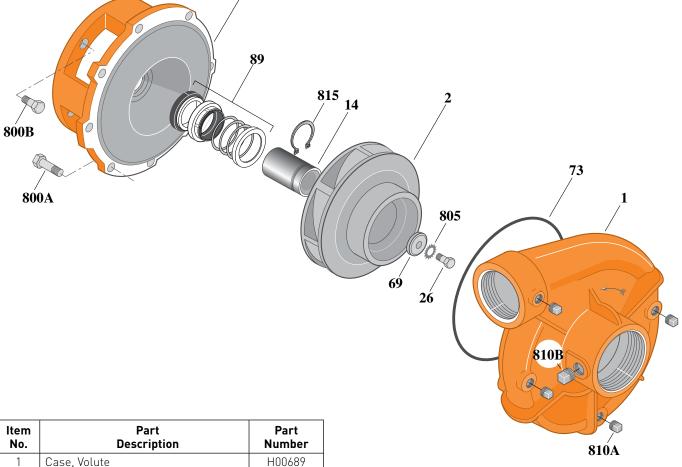
Threaded Case (NPT), Mechanical Shaft Seal Construction

## FLECTRIC MOTOR DRIVE

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#### Table I

	B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
71	B66609S	15	3	1800	1-1/4"	9.00"	H05479



See Table I

S18869L

S23619

S23677

S06319

See Table II

M14943 S32015

S26826

S26912

S23038

S23715

S23717

S16767

1612 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	თ	L04615	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



Impeller

Bracket

14 26

32

69 71

73

800A

800B

805

810A

810B

815

Sleeve, Shaft

Washer, Impeller

Washer, Lock

Plug, Pipe 1/2 NPT

Ring, Retaining

O-Ring (See Note 2)

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1"(8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

# **BERKELEY**® B3ZPMS

# Bronze Impeller

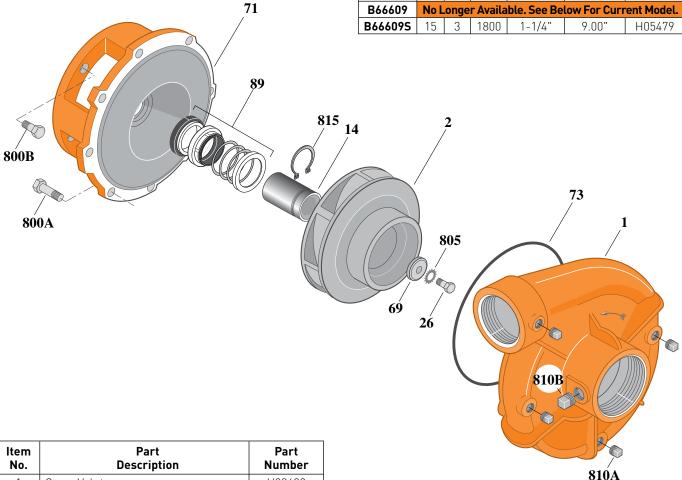
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

Section		CC			
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Supersedes 07/01/11					

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66609	No Longer Available. See Below For Current N					ent Model.
B66609S	15	3	1800	1-1/4"	9.00"	H05479



S23717

S16767

NO.	Description	Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



810B

815

Plug, Pipe 1/2 NPT

Ring, Retaining

1612 1210

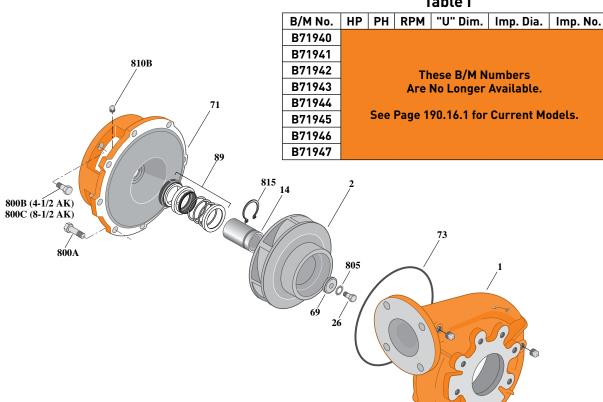
# **BERKELEY**® B3ZPMS Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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#### Table I



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Flanged Case, Mechanical Shaft Seal Construction

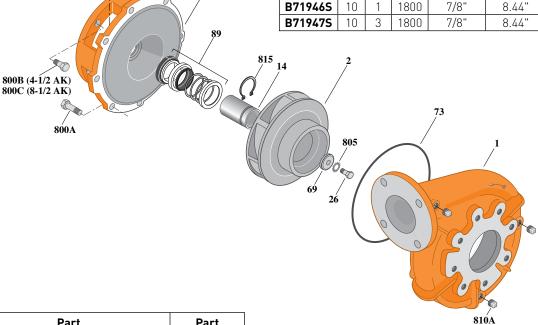
810B

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71940S	3	1	1800	7/8"	6.06"	H05480
B71941S	3	3	1800	7/8"	6.06"	H05480
B71942S	5	1	1800	7/8"	7.00"	H05481
B71943S	5	3	1800	7/8"	7.00"	H05481
B71944S	7.5	1	1800	7/8"	7.88"	H05482
B71945S	7.5	3	1800	7/8"	7.88"	H05482
B71946S	10	1	1800	7/8"	8.44"	H05483
B71947S	10	3	1800	7/8"	8.44"	H05483



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (12 Req.) (4-1/2 AK) (Use for Motor and Volute)	S26826
800A	Capscrew, 3/8 - 16 x 1" (8 Req.) (8-1/2 AK) (Use for Volute Only)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1**: For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



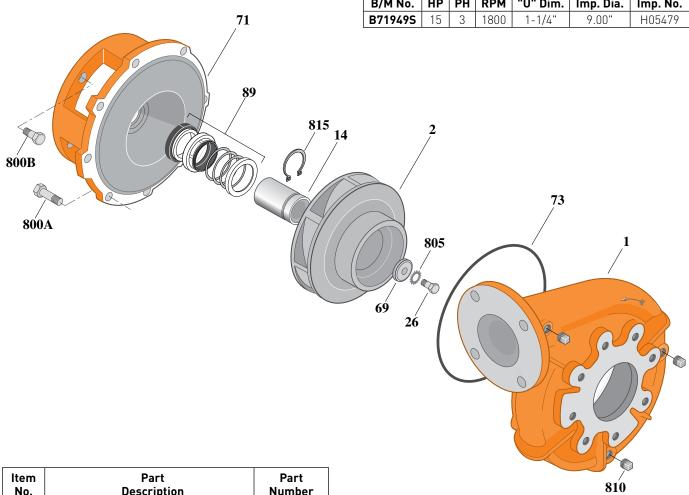
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

В	B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
В	719495	15	3	1800	1-1/4"	9.00"	H05479



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



1614 0195

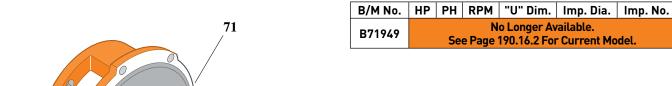
# **BERKELEY**® B3ZPMS Bronze Impeller

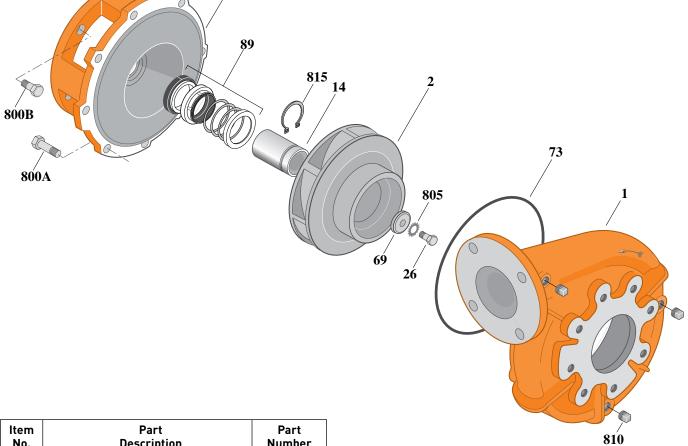
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I





Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (3 Req.)	S23715
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

1614 0195

Threaded Case (NPT), Packing Construction

801A (7/8 U) 801B (1-1/4 U) 13A (7/8 U) 13B (1-1/4 U)

800C (7/8 U)

800D (1-1/4 U)

14A (7/8 U) 14B (1-1/4 U)

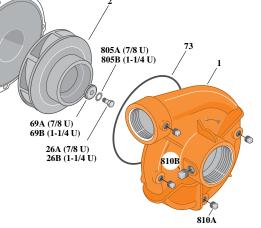
800A (7/8 U) 800B (1-1/4U)

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66568S	3	1	1800	7/8"	6.06"	H05480
B66569S	3	3	1800	7/8"	6.06"	H05480
B66580S	5	1	1800	1-1/4"	7.00"	H05478
B66581S	5	3	1800	7/8"	7.00"	H05481



		1
Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619L
14B	Sleeve, Shaft	S05149L
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1"	S23566
26B	Screw, Impeller 1/2 - 13 x 1"	S23619
32A	Key, 3/16 x 1-1/4" (See Note 1)	S34383
32B	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1-1/8" (8 Req.)	S26827
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800D	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23036
805B	Washer, Lock	S23038
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

Threaded Case (NPT), Packing Construction

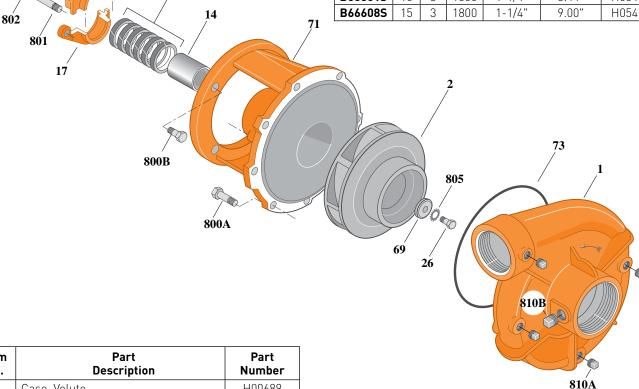
13

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66590S	7.5	1	1800	1-1/4"	7.88"	H05477
B66591S	7.5	3	1800	1-1/4"	7.88"	H05477
B66600S	10	1	1800	1-1/4"	8.44"	H05476
B66601S	10	3	1800	1-1/4"	8.44"	H05476
B66608S	15	3	1800	1-1/4"	9.00"	H05479



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717

#### Table II

	10000							
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame			
7.5	1	L03827	8-1/2"	1-1/4"	215JP			
7.5	3	L03827	8-1/2"	1-1/4"	213JP			
10	1	L03827	8-1/2"	1-1/4"	215JP			
10	3	L03827	8-1/2"	1-1/4"	215JP			
15	3	L03827	8-1/2"	1-1/4"	254JP			

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13A (7/8 U) 13B (1-1/4 U)

> 14A (7/8 U) 14B (1-1/4 U)

Flanged Case, Packing Construction

801A (7/8 U) 801B (1-1/4 U)

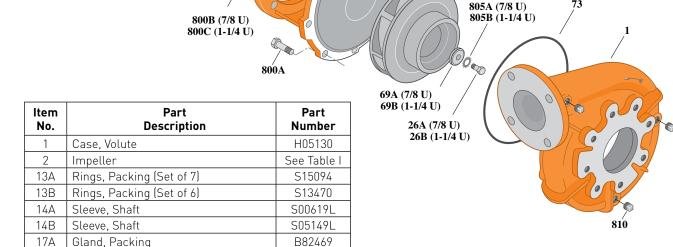
> 17A (7/8 U) 17B (1-1/4 U)

## FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71930S	3	1	1800	7/8"	6.06"	H05480
B71931S	3	3	1800	7/8"	6.06"	H05480
B71932S	5	1	1800	1-1/4"	7.00"	H05478
B71933S	5	3	1800	7/8"	7.00"	H05481



B82470

S23566

S23619

S34383

S23677

S06314

S06319

See Table II

M14943

S26826

S26826

S26916

S04439

S08303

S23343

S23036

S23038

S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	H00950	4-1/2"	7/8"	184JP
3	3	H00950	4-1/2"	7/8"	182JP
5	1	L03827	8-1/2"	1-1/4"	213JP
5	3	H00950	4-1/2"	7/8"	184JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



17B

26A

26B

32A 32B

69A

69B

71

73 800A

800B

800C

801A

801B

802

805A

805B

Gland, Packing

Washer, Impeller

Washer, Impeller

O-Ring (See Note 2)

Bracket

Screw, Impeller 3/8 - 16 x 1"

Screw, Impeller 1/2 - 13 x 1"

Key, 3/16 x 1-1/4" (See Note 1)

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 3/8 - 16 x 1" (8 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Stud, 3/8 - 16 x 3" (2 Req.)

Stud, 3/8 - 16 x 4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4" NPT (3 Req.)

Washer, Lock

Washer, Lock

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

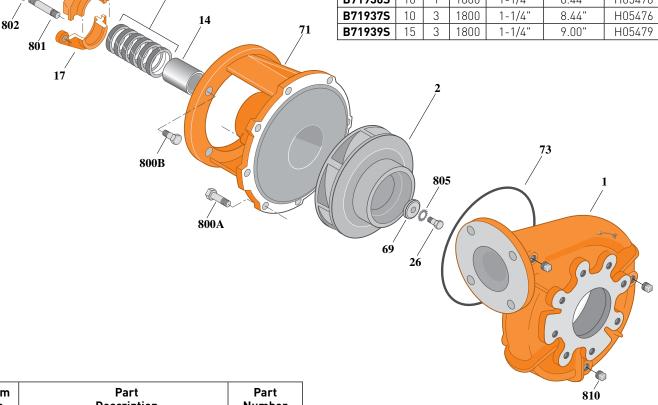
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71934S	7.5	1	1800	1-1/4"	7.88"	H05477
B71935S	7.5	3	1800	1-1/4"	7.88"	H05477
B71936S	10	1	1800	1-1/4"	8.44"	H05476
B71937S	10	3	1800	1-1/4"	8.44"	H05476
B71939S	15	3	1800	1-1/4"	9.00"	H05479



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03827	8-1/2"	1-1/4"	215JP
7.5	3	L03827	8-1/2"	1-1/4"	213JP
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



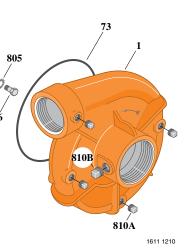
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66570S	3	1	1800	7/8"	6.06"	H05480
B66571S	3	3	1800	7/8"	6.06"	H05480
B66582S	5	1	1800	7/8"	7.00"	H05481
B66583S	5	3	1800	7/8"	7.00"	H05481
B66592S	7.5	1	1800	7/8"	7.88"	H05482
B66593S	7.5	3	1800	7/8"	7.88"	H05482
B66602S	10	1	1800	7/8"	8.44"	H05483
B66603S	10	3	1800	7/8"	8.44"	H05483



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717
815	Ring, Retaining	S11207
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

<sup>•</sup> Not illustrated.

800B (4-1/2 AK) 800C (8-1/2 AK)

800A

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

 $\textbf{NOTE 2:} \ \mathsf{For seal flush line details, see} \ \textbf{Supplement D}.$ 



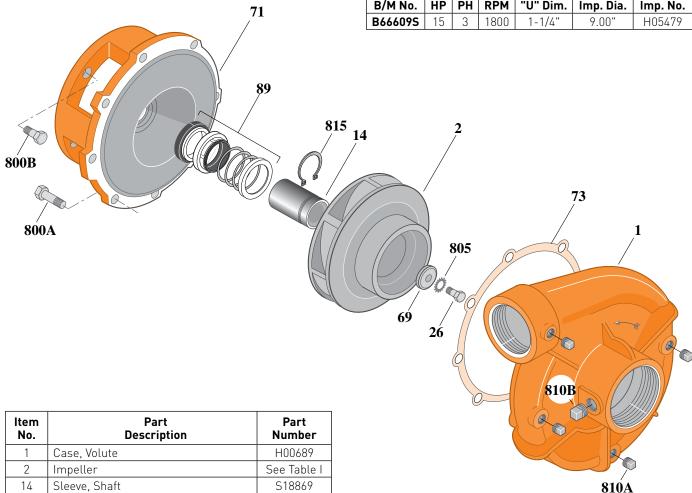
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66609S	15	3	1800	1-1/4"	9.00"	H05479



Item No.	Part Description	Part Number
1	Case, Volute	H00689
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4" NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2" NPT	S23717
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



1612 0195

810B

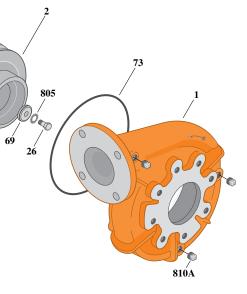
Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71940S	3	1	1800	7/8"	6.06"	H05480
B71941S	3	3	1800	7/8"	6.06"	H05480
B71942S	5	1	1800	7/8"	7.00"	H05481
B71943S	5	3	1800	7/8"	7.00"	H05481
B71944S	7.5	1	1800	7/8"	7.88"	H05482
B71945S	7.5	3	1800	7/8"	7.88"	H05482
B71946S	10	1	1800	7/8"	8.44"	H05483
B71947S	10	3	1800	7/8"	8.44"	H05483



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1"	S23566
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 3)	M14943
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4" NPT (3 Req.)	S23715
810B	Plug, Pipe 1/8" NPT (In Bracket)	S23714
815	Ring, Retaining	S11207

• Not illustrated.

800B (4-1/2 AK) 800C (8-1/2 AK)

800A

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05332	4-1/2"	7/8"	184JM
3	3	L05332	4-1/2"	7/8"	182JM
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



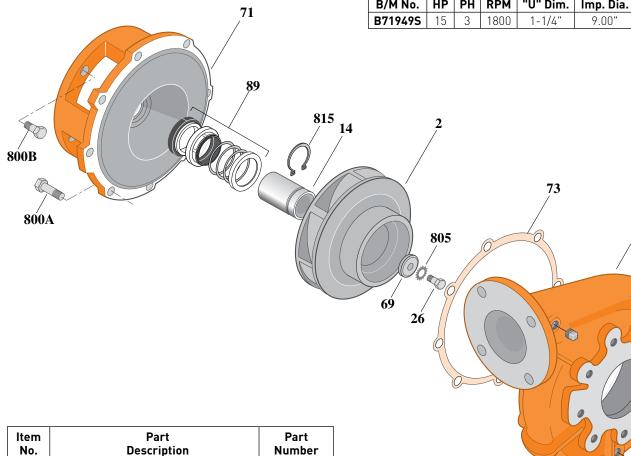
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B71949S	15	3	1800	1-1/4"	9.00"	H05479



Item No.	Part Description	Part Number
1	Case, Volute	H05130
2	Impeller	See Table I
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	Gasket, Volute	S05126
89	Seal, Mechanical Shaft	S32015
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
805	Washer, Lock	S23038
810	Plug, Pipe 1/4" NPT (3 Req.)	S23715
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

#### Table II

810

1614 0195

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame	
15	3	L04615	8-1/2"	1-1/4"	254JM	

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



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# **BERKELEY**® B3ZPBH Cast Iron Impeller

Threaded Case (NPT), Packing Construction

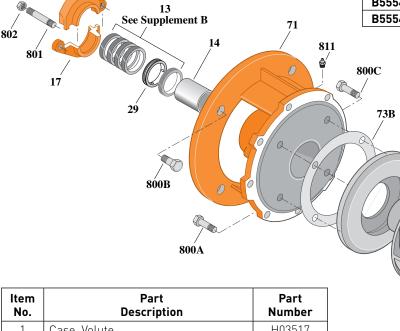
## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55588	30	3	3600	1-1/4"	7.12"	M07714
B55589	40	3	3600	1-1/4"	7.81"	M07715
B55541	50	3	3600	1-1/4"	8.31"	M07716
B55542	60	3	3600	1-1/4"	8.81"	M07717

115



Item No.	Part Description	Part Number
1	Case, Volute	H03517
2	Impeller	See Table I
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-3/4"	S23625
29	Ring, Lantern	S19200
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S18177
71	Bracket	See Table II
73A	0-Ring (See Note 2)	M14943
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S19904
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
811	Fitting, Grease	S23700

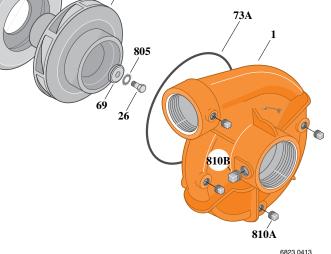


Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L05511	12-1/2"	1-1/4"	284JP
40	3	L05511	12-1/2"	1-1/4"	286JP
50	3	L05511	12-1/2"	1-1/4"	324JP
60	3	L05511	12-1/2"	1-1/4"	326JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3ZPBH Cast Iron Impeller

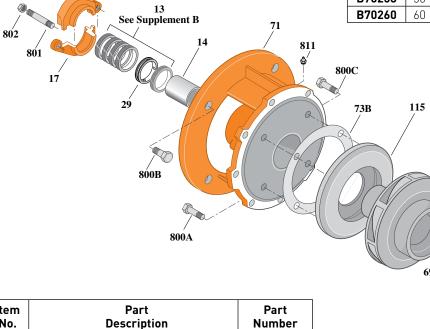
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

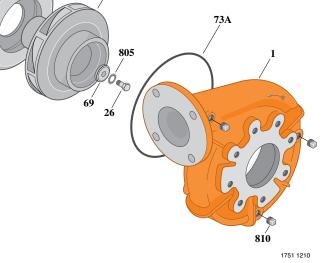
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B70252	30	3	3600	1-1/4"	7.12"	M07714
B70255	40	3	3600	1-1/4"	7.81"	M07715
B70258	50	3	3600	1-1/4"	8.31"	M07716
B70260	60	3	3600	1-1/4"	8.81"	M07717



Item No.	Part Description	Part Number
1	Case, Volute	H05238
2	Impeller	See Table I
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-3/4"	S23625
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S18117
71	Bracket	See Table II
73A	0-Ring (See Note 2)	M14943
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S19904
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
801	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/4 NPT (4 Req.)	S23715
811	Fitting, Grease	S23700



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L05511	12-1/2"	1-1/4"	284JP
40	3	L05511	12-1/2"	1-1/4"	286JP
50	3	L05511	12-1/2"	1-1/4"	324JP
60	3	L05511	12-1/2"	1-1/4"	326JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

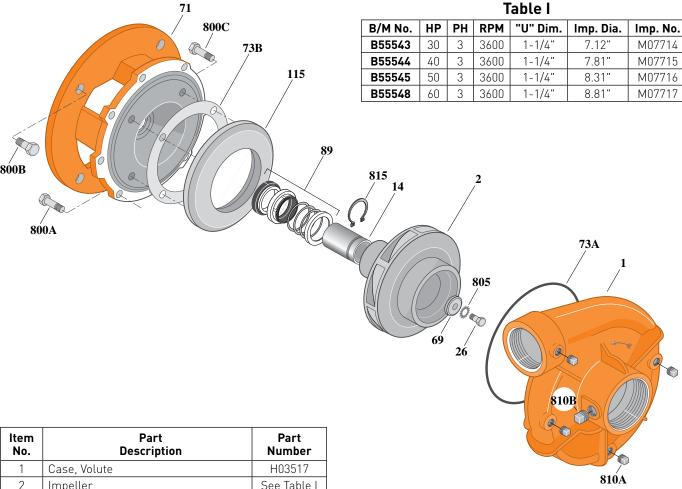


# Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### 2 Impeller See Table I Sleeve, Shaft S18869L 14 Screw, Impeller 1/2 - 13 x 1-3/4" S23625 26 32 Key, 1/4 x 2-1/4" (See Note 1) S23677 Washer, Impeller 69 S18117 71 Bracket See Table II O-Ring (See Note 2) 73A M14943 73B S09943 Gasket, Balance Ring 89 Seal, Mechanical Shaft S32015 115 Ring, Balance S19911 800A Capscrew, 3/8 - 16 x 1" (8 Req.) S26826 800B Capscrew, 5/8 - 11 x 1-1/2" (4 Reg.) S26999 800C Capscrew, 3/8 - 16 x 7/8" (4 Req.) S26825 805 Washer, Lock S23038 Plug, Pipe 1/4 NPT (4 Reg.) 810A S23715 810B Plug, Pipe 1/2 NPT S23717 815 Ring, Retaining S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L05515	12-1/2"	1-1/4"	284JM
40	3	L05515	12-1/2"	1-1/4"	286JM
50	3	L05515	12-1/2"	1-1/4"	324JM
60	3	L05515	12-1/2"	1-1/4"	326JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

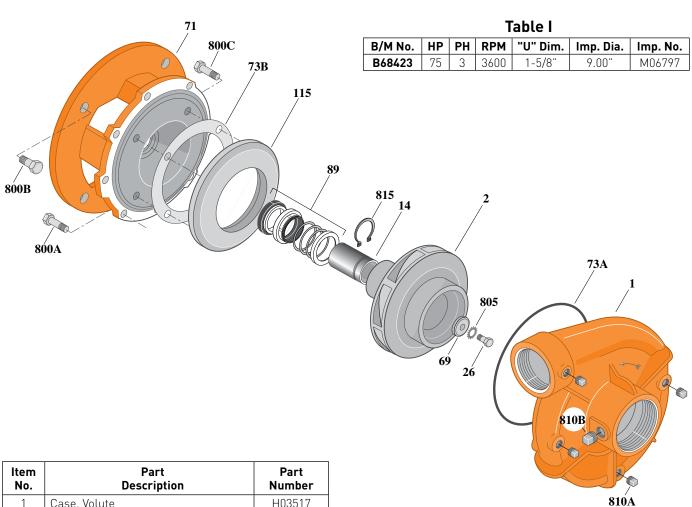


# Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

## FLECTRIC MOTOR DRIVE

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Item No.	Part Description	Part Number
1	Case, Volute	H03517
2	Impeller	See Table I
14	Sleeve, Shaft	M09669L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 3/8 x 2-1/4" (See Note 1)	S23940
69	Washer, Impeller	S18801
71	Bracket	See Table II
73A	0-Ring (See Note 2)	M14943
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S39264
115	Ring, Balance	S19911
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S18136

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H04088	12-1/2"	1-5/8"	364JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

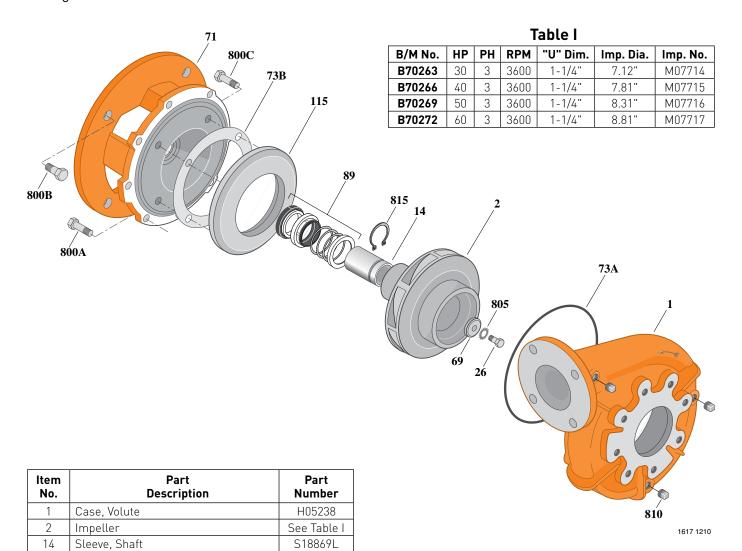


# **BERKELEY**® B3ZPBHS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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S23625

S23677

S18117

See Table II

M14943

S09943

S32015

S19911

S26826

S26999

S26825

S23038

S23715

S16767

_		-	
Ta	h	le	Ш

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L05515	12-1/2"	1-1/4"	284JM
40	3	L05515	12-1/2"	1-1/4"	286JM
50	3	L05515	12-1/2"	1-1/4"	324JM
60	3	L05515	12-1/2"	1-1/4"	326JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



26

32

69

71

73A 73B

89

115

800A

800B

800C

805

810

815

Screw, Impeller 1/2 - 13 x 1-3/4"

Key, 1/4 x 2-1/4" (See Note 1)

Washer, Impeller

Ring, Balance

Washer, Lock

Ring, Retaining

O-Ring (See Note 2)

Gasket, Balance Ring

Seal, Mechanical Shaft

Capscrew, 3/8 - 16 x 1" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

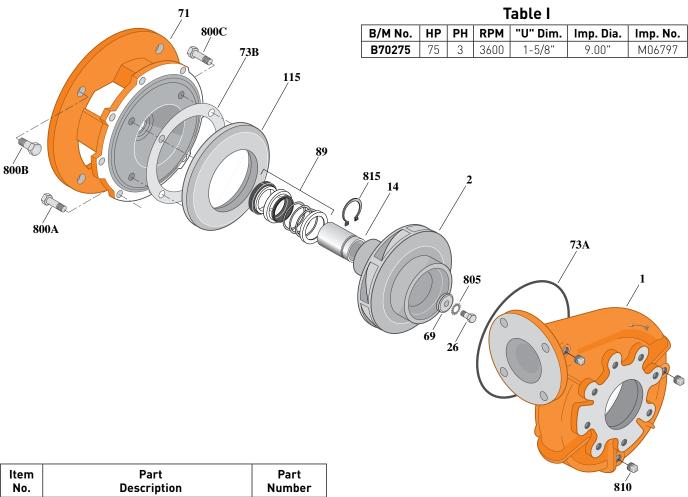
Bracket

# **BERKELEY**® B3ZPBHS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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Item No.	Part Description	Part Number
1	Case, Volute	H05238
2	Impeller	See Table I
14	Sleeve, Shaft	M09669L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 3/8 x 2-1/4" (See Note 1)	S23940
69	Washer, Impeller	S18801
71	Bracket	See Table II
73A	0-Ring (See Note 2)	M14943
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S39264
115	Ring, Balance	S19911
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
805	Washer, Lock	S23038
810	Plug, Pipe (4 Req.)	S23715
815	Ring, Retaining	S18136

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H04088	12-1/2"	1-5/8"	364JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

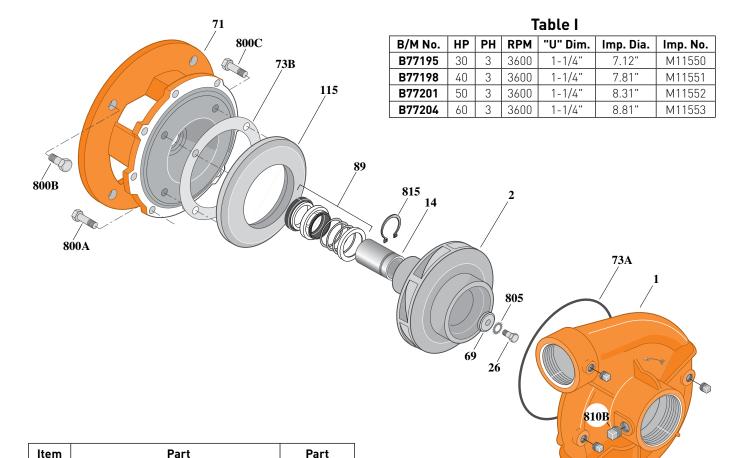


# Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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Number

H03517

S23038

S23715

S23717

S16767

1615 0195

810A

#### 2 Impeller See Table I Sleeve, Shaft S18869L 14 Screw, Impeller 1/2 - 13 x 1-3/4" S23625 26 32 Key, 1/4 x 2-1/4" (See Note 1) S23677 Washer, Impeller 69 S18117 71 Bracket See Table II O-Ring (See Note 2) 73A M14943 73B Gasket, Balance Ring S09943 89 Seal, Mechanical Shaft S32015 115 Ring, Balance S19911 800A Capscrew, 3/8 - 16 x 1" (8 Req.) S26826 800B Capscrew, 5/8 - 11 x 1-1/2" (4 Reg.) S26999 800C Capscrew, 3/8 - 16 x 7/8" (4 Req.) S26825

**Description** 

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L05515	12-1/2"	1-1/4"	284JM
40	3	L05515	12-1/2"	1-1/4"	286JM
50	3	L05515	12-1/2"	1-1/4"	324JM
60	3	L05515	12-1/2"	1-1/4"	326JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

805

810A

810B

815

No.

Case, Volute

Washer, Lock

Plug, Pipe 1/2 NPT

Ring, Retaining

Plug, Pipe 1/4 NPT (4 Reg.)

# Bronze Impeller

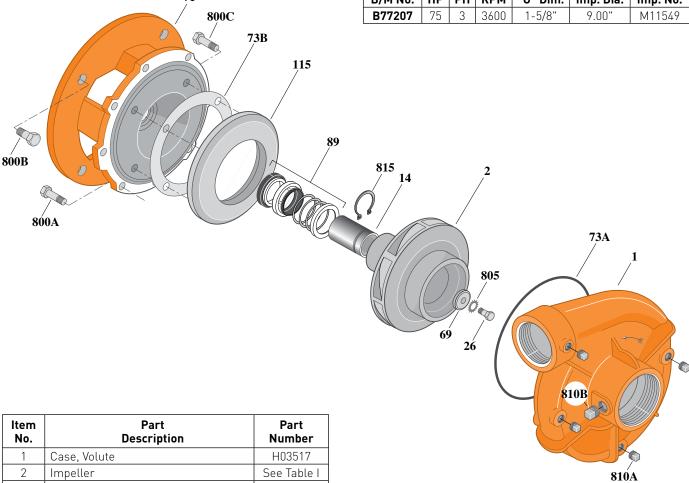
Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B77207	75	3	3600	1-5/8"	9.00"	M11549



Item No.	Part Description	Part Number
1	Case, Volute	H03517
2	Impeller	See Table I
14	Sleeve, Shaft	M09669L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 3/8 x 2-1/4" (See Note 1)	S23940
69	Washer, Impeller	S18801
71	Bracket	See Table II
73A	O-Ring (See Note 2)	M14943
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S39264
115	Ring, Balance	S19911
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S18136

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H04088	12-1/2"	1-5/8"	364JP

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.

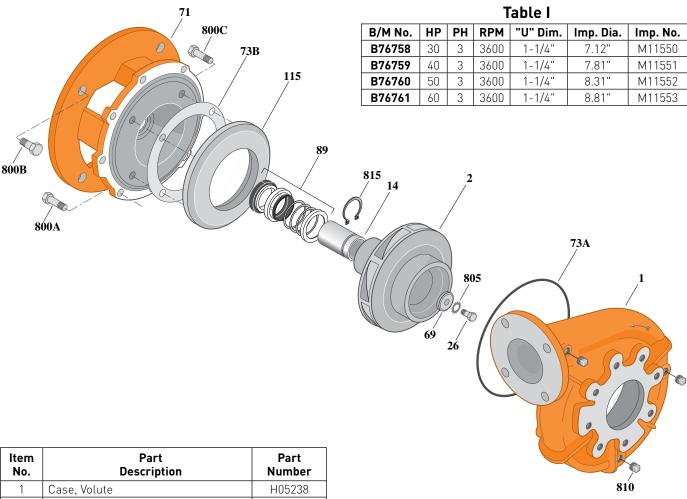


# Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section		CC
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	Superse	des 07/01/11



See Table I

S18869L

S23625

S23677

S18117

See Table II

M14943

S09943

S32015

S19911

S26826

S26999

S26825

S23038

S23715

S16767

1617 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	L05515	12-1/2"	1-1/4"	284JM
40	3	L05515	12-1/2"	1-1/4"	286JM
50	3	L05515	12-1/2"	1-1/4"	324JM
60	3	L05515	12-1/2"	1-1/4"	326JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



2

14 26

32

69

71

73A 73B

89

115

800B

800C

805

810

815

Impeller

Bracket

Sleeve, Shaft

Washer, Impeller

Ring, Balance

Washer, Lock

Ring, Retaining

O-Ring (See Note 2)

Gasket, Balance Ring

Seal, Mechanical Shaft

Capscrew, 3/8 - 16 x 1" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Screw, Impeller 1/2 - 13 x 1-3/4"

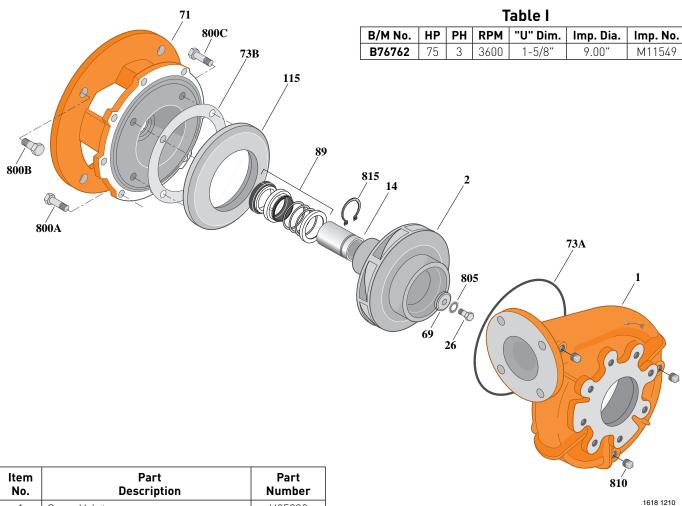
Key, 1/4 x 2-1/4" (See Note 1)

# Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

Section		CC
Page		200.10
Date		March 4, 2013
	Superse	des 07/01/11



Item No.	Part Description	Part Number
1	Case, Volute	H05238
2	Impeller	See Table I
14	Sleeve, Shaft	M09669L
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 3/8 x 2-1/4" (See Note 1)	S23940
69	Washer, Impeller	S18801
71	Bracket	See Table II
73A	O-Ring (See Note 2)	M14943
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S39264
115	Ring, Balance	S19911
800A	Capscrew, 3/8 - 16 x 1" (12 Req.)	S26826
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
805	Washer, Lock	S23038
810	Plug, Pipe (4 Req.)	S23715
815	Ring, Retaining	S18136

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H04088	12-1/2"	1-5/8"	364JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B3EPBL Cast Iron Impeller

Threaded Case (NPT), Packing Construction

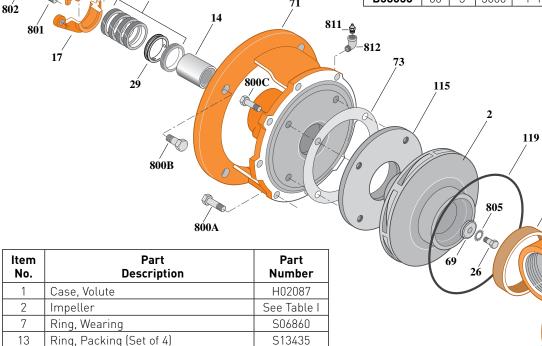
13 See Supplement B

## ELECTRIC MOTOR DRIVE

Section		CC
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Date		March 4, 2013
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58054	40	3	3600	1-1/4"	7.81"	M07701
B58055	50	3	3600	1-1/4"	8.56"	M07702
B58056	60	3	3600	1-1/4"	9.25"	M07703



S05149

B82470

S23623

S19200

S23677

S18117

See Table II

S09943

L03648

S13760

S26914

S26999

S26826

S04438

S23343

S23038

S23715

S23717

S23700

S25421

1756 0495

810A

#### Table II

810B

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	L03497	12-1/2"	1-1/4"	286JP
50	3	L03497	12-1/2"	1-1/4"	324JP
60	3	L03497	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



14

17

26

29

32

69

71

73

115

119

800A

800B

800C

801

802

805

810A

810B

811

Sleeve, Shaft

Gland, Packing

Ring, Lantern

Ring, Balance

Washer, Lock

Fitting, Grease

Elbow, Street

Plug, Pipe 1/2 NPT

Bracket

0-Ring

Washer, Impeller

Gasket, Balance Ring

Screw, Impeller 1/2 - 13 x 1-1/2"

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Req.)

Key, 1/4 x 2-1/4" (See Note)

# **BERKELEY**® B3EPBL Cast Iron Impeller

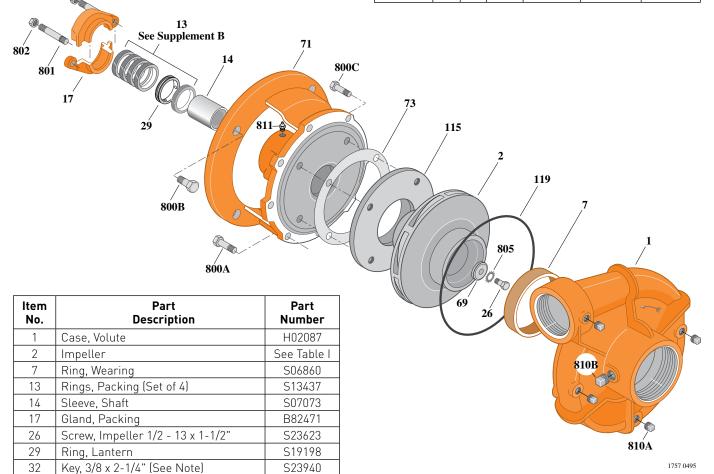
Threaded Case (NPT), Packing Construction

## ELECTRIC MOTOR DRIVE

Section		CC
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58057	75	3	3600	1-5/8"	10.12"	L06116



S18801

See Table II

S09943 L03697

S13760

S26914

S26999

S26826

S04438

S23343

S23038

S23715

S23717

S23700

HP	HP PH Bracket No.		"AK" Fit	"U" Dim.	Motor Frame	
75	3	L05610	12-1/2"	1-5/8"	364JP	

Table II

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



69

71

73

115

119

800A

800B

800C

802

805

810A

810B

811

Washer, Impeller

Ring, Balance

Washer, Lock

Fitting, Grease

Plug, Pipe 1/2 NPT

Gasket, Balance Ring

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 1" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Bracket

0-Ring

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# **BERKELEY**® B3EPBLS

# Cast Iron Impeller

**Part** 

**Description** 

Screw, Impeller 1/2 - 13 x 1-1/2"

Capscrew,  $1/2 - 13 \times 1 - 1/4$ " [8 Req.]

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 x 3/4" (4 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

Threaded Case (NPT), Mechanical Shaft Seal Construction

800C

115

Part

Number

H02087

S06860

S18869

S23623

S23677

S18117

See Table II

S09943

S32015

S23038

L05262

S13760

S26914

S26999

S26824

S23038

S23715

S23717

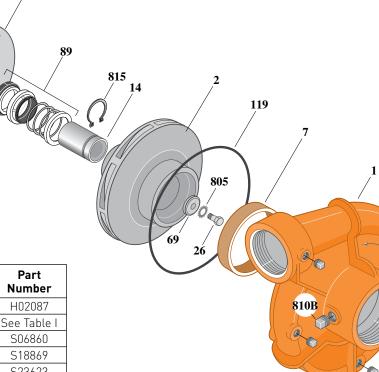
S16767

### FLECTRIC MOTOR DRIVE

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Date	March 4, 2013			
Supersedes 01/01/04				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58058	40	3	3600	1-1/4"	7.81"	M07701
B58059	50	3	3600	1-1/4"	8.56"	M07702
B58060	60	3	3600	1-1/4"	9.25"	M07703



1626 0295

810A

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	L04628	12-1/2"	1-1/4"	286JM
50	3	L04628	12-1/2"	1-1/4"	324JM
60	3	L04628	12-1/2"	1-1/4"	326JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



800B

Item

No.

2

26

32

69

71

73

89

105

115

119

800A

800B

800C

805

810A

810B

815

Case, Volute

Ring, Wearing

Sleeve, Shaft

Washer, Impeller

Washer, Lock

Ring, Blanace

Washer, Lock

Plug, Pipe 1/2 NPT

Ring, Retaining

Gasket, Balance Ring

Seal, Mechanical Shaft

Impeller

Bracket

0-Ring

Table I

## **BERKELEY**® B3EPBLS

# Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

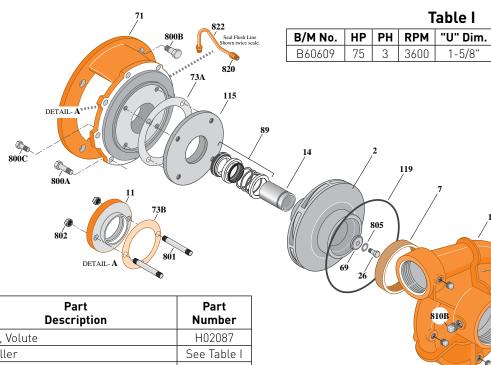
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Imp. Dia.

10.12'

Imp. No.

L06116



Item No.	Part Description	Part Number
1	Case, Volute	H02087
2	Impeller	See Table I
7	Ring, Wearing	S06860
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 3/8 x 2-1/4" (See Note)	S23940
69	Washer, Impeller	S18801
71	Bracket	See Table II
73A	Gasket, Balance Ring	S09943
73B	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	L03697
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
820	Connector, Comp. Fitting (2 Req.)	S24013
822	Tubing, Copper	S20677
•	Plug, Pipe 1/8 NPT (At Seal Bore)	S23714

• Not illustrated.

#### Table II

810A

1627 0295

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L06315	12-1/2"	1-5/8"	364JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



# **BERKELEY**® B3EPBLS

# Bronze Impeller

800B

Threaded Case (NPT), Mechanical Shaft Seal Construction

800C

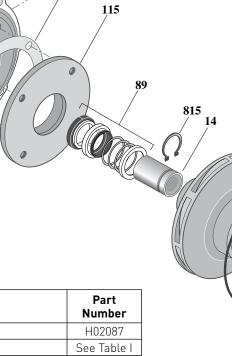
## ELECTRIC MOTOR DRIVE

Section		CC		
Page		210.5		
Date		March 4, 2013		
Supersedes 01/01/04				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B77186	40	3	3600	1-1/4"	7.81"	M11555
B77189	50	3	3600	1-1/4"	8.56"	M11556
B76743	60	3	3600	1-1/4"	9.25"	M11547

805



Item No.	Part Description	Part Number
1	Case, Volute	H02087
2	Impeller	See Table I
7	Ring, Wearing	S06860
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S18117
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
105	Washer, Lock	S23038
115	Ring, Blanace	L05262
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 3/4" (4 Req.)	S26824
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767

## Table II

810A

1626 0295

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	L04628	12-1/2"	1-1/4"	286JM
50	3	L04628	12-1/2"	1-1/4"	324JM
60	3	L04628	12-1/2"	1-1/4"	326JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



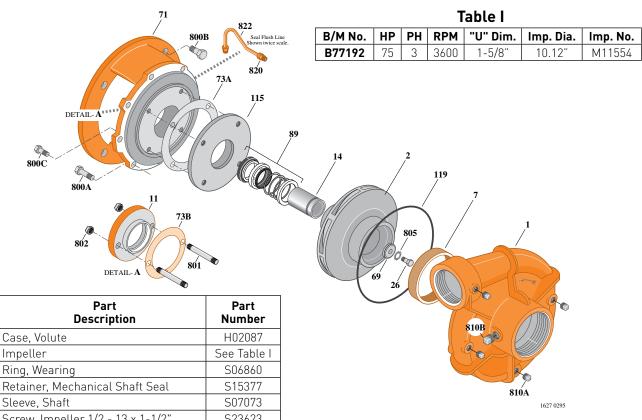
## **BERKELEY**® B3EPBLS

# Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

## FLECTRIC MOTOR DRIVE

Section		CC		
Page		210.6		
Date		March 4, 2013		
Supersedes 01/01/04				



#### 2 7 Ring, Wearing 11 Retainer, Mechanical Shaft Seal 14 Sleeve, Shaft Screw, Impeller 1/2 - 13 x 1-1/2" 26 S23623 Key, 3/8 x 2-1/4" (See Note) 32 S23940 Washer, Impeller S18801 71 Bracket See Table II 73A Gasket, Balance Ring S09943 73B Gasket, Seal Retainer S15078 S32016 89 Seal, Mechanical Shaft L03697 115 Ring, Balance 119 0-Ring S13760 800A Capscrew, 1/2 - 13 x 1-1/4" (8 Req.) S26914 800B Capscrew, 5/8 - 11 x 1-3/4" (4 Req.) S27001 Capscrew, 3/8 - 16 x 1" (4 Req.) 800C S26826 801 Stud, 3/8 - 16 x 2-1/2" (2 Req.) S04438 802 Nut, 3/8 - 16 (2 Req.) S23343 805 Washer, Lock S23038 810A Plug, Pipe 1/4 NPT (4 Reg.) S23715 810B Plug, Pipe 1/2 NPT S23717 820 Connector, Comp. Fitting (2 Reg.) S24013 822 Tubing, Copper S20677 Plug, Pipe 1/8 NPT (At Seal Bore) S23714

Item

No.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L06315	12-1/2"	1-5/8"	364JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



<sup>•</sup> Not illustrated.

# **BERKELEY**® B3EPBLS Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

800B

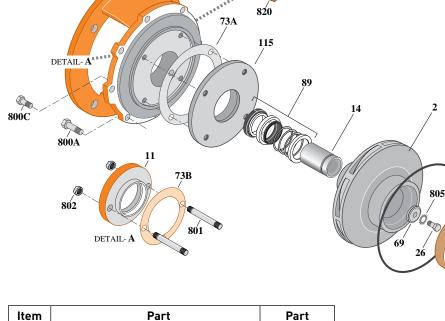
Seal Flush Line

## ELECTRIC MOTOR DRIVE

Section		CC		
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Date		March 4, 2013		
Supersedes 01/01/04				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76763	40	3	3600	1-1/4"	7.81"	M11555
B76764	50	3	3600	1-1/4"	8.56"	M11556
B76765	60	3	3600	1-1/4"	9.25"	M11547



Item No.	Part Description	Part Number
1	Case, Volute	H05536
2	Impeller	See Table I
7	Ring, Wearing	S06860
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S18117
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
105	Washer, Lock	S23038
115	Ring, Blanace	L05262
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 3/4" (4 Req.)	S26824
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S16767

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	L04628	12-1/2"	1-1/4"	286JM
50	3	L04628	12-1/2"	1-1/4"	324JM
60	3	L04628	12-1/2"	1-1/4"	326JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



810

1627 0295 FL

## **BERKELEY**® B3EPBLS

# Bronze Impeller

800C

Item

Flanged Case, Mechanical Shaft Seal Construction

800B

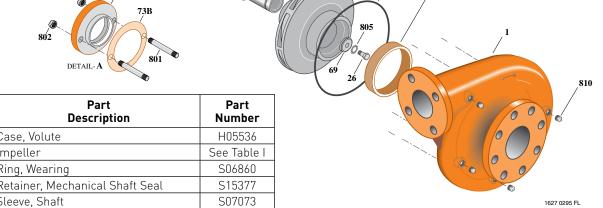
115

## ELECTRIC MOTOR DRIVE

Section		CC		
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76766	75	3	3600	1-5/8"	10.12"	M11554



No.	Description	Number
1	Case, Volute	H05536
2	Impeller	See Table I
7	Ring, Wearing	S06860
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 3/8 x 2-1/4" (See Note)	S23940
69	Washer, Impeller	S18801
71	Bracket	See Table II
73A	Gasket, Balance Ring	S09943
73B	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	L03697
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
820	Connector, Comp. Fitting (2 Req.)	S24013
822	Tubing, Copper	S20677
•	Plug, Pipe 1/8 NPT (At Seal Bore)	S23714

• Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L06315	12-1/2"	1-5/8"	364JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3EPM Cast Iron Impeller

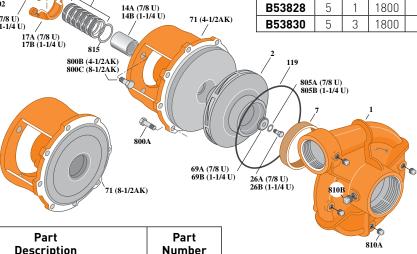
Threaded Case (NPT), Packing Construction

## ELECTRIC MOTOR DRIVE

Section	CC
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Superse	edes 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53828	5	1	1800	1-1/4"	7.69"	M07697
B53830	5	3	1800	7/8"	7.69"	M07698



Item No.	Part Description	Part Number
1	Case, Volute	H02087
2	Impeller	See Table I
7	Ring, Wearing	S13045
13A	Rings, Packing (Set of 7)	S15094
13B	Rings, Packing (Set of 6)	S13470
14A	Sleeve, Shaft (2 Req.)	S00619
14B	Sleeve, Shaft	S05149
17A	Gland, Packing	B82469
17B	Gland, Packing	B82470
26A	Screw, Impeller 3/8 - 16 x 1-1/4"	S23568
26B	Screw, Impeller 1/2 - 13 x 1-3/4"	S23625
32A	Key, 3/16 x 1-1/4" (See Note)	S34383
32B	Key, 1/4 x 2-1/4" (See Note)	S23677
69A	Washer, Impeller	S06314
69B	Washer, Impeller	S06319
71	Bracket	See Table II
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 3" (2 Req.)	S04439
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805A	Washer, Lock	S23026
805B	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retainer	S08778

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L03637	8-1/2"	1-1/4"	213JP
5	3	L05114	4-1/2"	7/8"	184JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3EPM Cast Iron Impeller

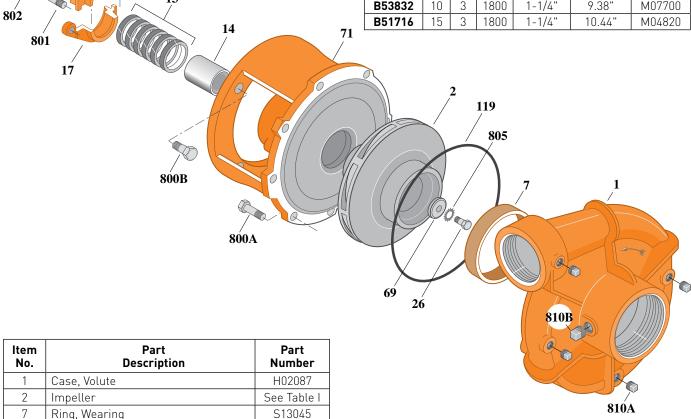
Threaded Case (NPT), Packing Construction

## FLECTRIC MOTOR DRIVE

Section	CC
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53829	7.5	1	1800	1-1/4"	8.69"	M07699
B53831	7.5	3	1800	1-1/4"	8.69"	M07699
B55580	10	1	1800	1-1/4"	9.38"	M07700
B53832	10	3	1800	1-1/4"	9.38"	M07700
B51716	15	3	1800	1-1/4"	10.44"	M04820



S13470

S05149

B82470

S23625

S23677

S06319

See Table II

S13760

S26914

S26916

S04438

S23343

S23038

S23715

S23717

1759A 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
7.5	1	L03637	8-1/2"	1-1/4"	215JP
7.5	3	L03637	8-1/2"	1-1/4"	213JP
10	1	L03637	8-1/2"	1-1/4"	215JP
10	3	L03637	8-1/2"	1-1/4"	215JP
15	3	L03637	8-1/2"	1-1/4"	254JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13

14

17

26

32

69

71

119

800A

800B

801

802

805

810A

810B

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1-3/4"

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

Sleeve, Shaft

Gland, Packing

Washer, Impeller

Washer, Lock

Plug, Pipe 1/2 NPT

Bracket

0-Ring

# **BERKELEY**® B3EPMS Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

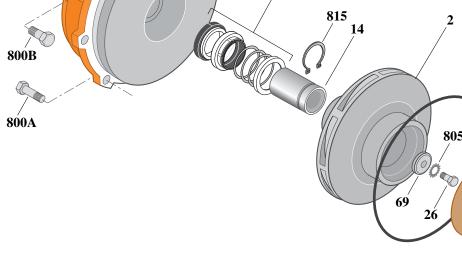
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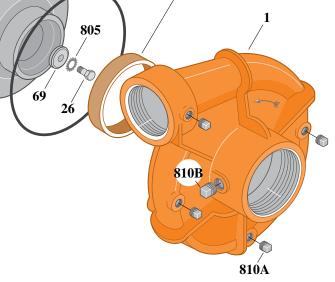
#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54607	5	1	1800	7/8"	7.69"	M07698
B54610	5	3	1800	7/8"	7.69"	M07698
B54608	7.5	1	1800	7/8"	8.69"	M07752
B54611	7.5	3	1800	7/8"	8.69"	M07752
B54653	10	1	1800	7/8"	9.38"	M04817
B54612	10	3	1800	7/8"	9.38"	M04817

119



Item No.	Part Description	Part Number
1	Case, Volute	H02087
2	Impeller	See Table I
7	Ring, Wearing	S13045
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 1-1/4"	S23568
32	Key, 3/16 x 1-1/4" (See Note)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
89	Seal, Mechanical Shaft	S32014
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 1/2 - 13 x 1"	
	(For 8-1/2 AK)	S26912
800B	Capscrew, 3/8 - 16 x 1"	
	(For 4-1/2 AK)	S26826
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT (4 Req.)	S23715
810B	Plug, Pipe 1/2 NPT	S23717
815	Ring, Retaining	S11207



1628 0295

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L05334	8-1/2"	7/8"	213JM
5	3	L05335	4-1/2"	7/8"	184JM
7.5	1	L05334	8-1/2"	7/8"	215JM
7.5	3	L05334	8-1/2"	7/8"	213JM
10	1	L05334	8-1/2"	7/8"	215JM
10	3	L05334	8-1/2"	7/8"	215JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



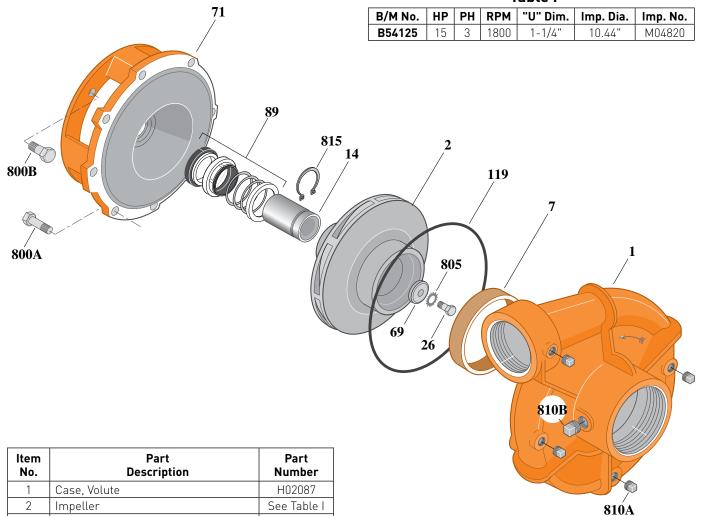
# **BERKELEY**® B3EPMS Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

## FLECTRIC MOTOR DRIVE

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#### Table I



S13045

S18869

S23625

S23677

S06319

See Table II

S32015

S13760

S26914

S26912

S23038

S23715

S23717

S16767

1629 0295

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04616	8-1/2"	1-1/4"	254JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



7

14 26

32

69

71

89

119

800A

800B

805

810A

810B

815

Ring, Wearing

Sleeve, Shaft

Bracket

0-Ring

Washer, Lock

Plug, Pipe 1/2 NPT

Ring, Retaining

Washer, Impeller

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 1-3/4"

Capscrew, 1/2 - 13 x 1-1/4" (8 Reg.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

# **BERKELEY**® B3JPBL Cast Iron Impeller

Threaded Case (NPT), Packing Construction

13 See Supplement B

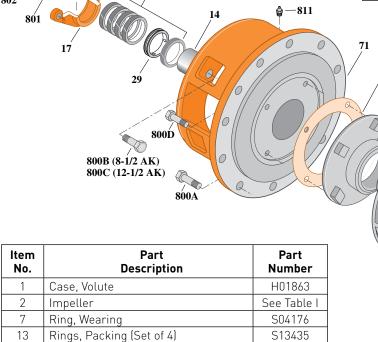
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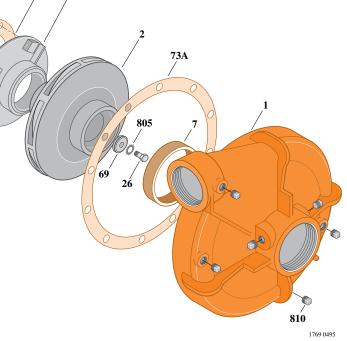
#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51717	15	3	1800	1-1/4"	11.00"	L06173
B51718	20	3	1800	1-1/4"	12.06"	L06174
B53833	25	3	1800	1-1/4"	12.88"	L06175
B53834	30	3	1800	1-1/4"	13.50"	L03004

115



Item No.	Part Description	Part Number
1	Case, Volute	H01863
2	Impeller	See Table I
7	Ring, Wearing	S04176
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-3/4"	S23625
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	M05115
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (6 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H02384	8-1/2"	1-1/4"	254JP
20	3	H02384	8-1/2"	1-1/4"	256JP
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3JPBLS Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

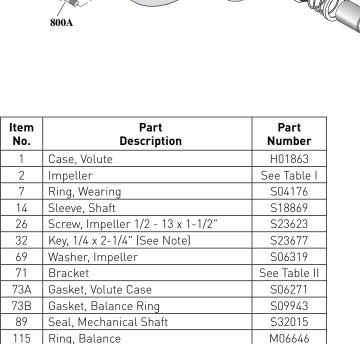
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54130	15	3	1800	1-1/4"	11.00"	L06173
B54131	20	3	1800	1-1/4"	12.06"	L06174
B54132	25	3	1800	1-1/4"	12.88"	L06175
B54133	30	3	1800	1-1/4"	13.50"	L03004

815



Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (16 Reg.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Plug, Pipe 1/2 NPT (6 Reg.)

S26999

S26999

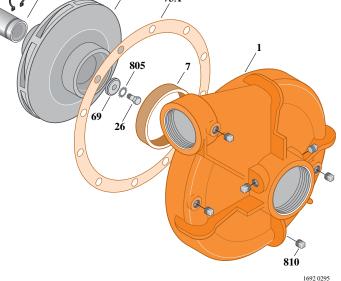
S26916

S26826

S23038

S23717

S16767



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H03300	8-1/2"	1-1/4"	254JM
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



A008

800A

800B

800C

805

810

815

800C (8-1/2 AK) 800D (12-1/2 AK)

(8-1/2 AK)

(12-1/2 AK)

(8-1/2 AK Only)

Washer, Lock

Ring, Retaining

# **BERKELEY**® B3JPBL Silicon Bronze Impeller

Threaded Case (NPT), Packing Construction

13 See Supplement B

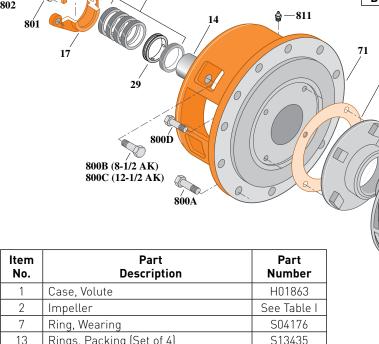
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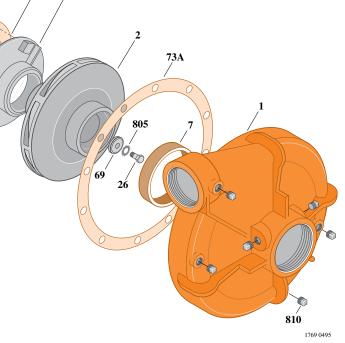
#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74664	15	3	1800	1-1/4"	11.00"	H05673
B74668	20	3	1800	1-1/4"	12.06"	H05671
B74672	25	3	1800	1-1/4"	12.88"	H05670
B74676	30	3	1800	1-1/4"	13.50"	H05668

115



Item No.	Part Description	Part Number
1	Case, Volute	H01863
2	Impeller	See Table I
7	Ring, Wearing	S04176
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-3/4"	S23625
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	M05115
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800D	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (6 Req.)	S23717
811	Fitting, Grease	S23700



### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H02384	8-1/2"	1-1/4"	254JP
20	3	H02384	8-1/2"	1-1/4"	256JP
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3JPBLS Silicon Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

800B

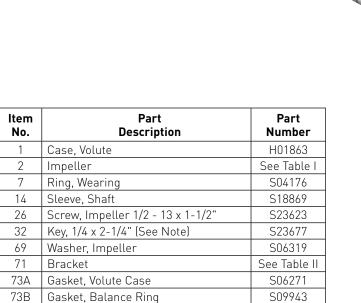
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74680	15	3	1800	1-1/4"	11.00"	H05673
B74684	20	3	1800	1-1/4"	12.06"	H05671
B74688	25	3	1800	1-1/4"	12.88"	H05670
B74692	30	3	1800	1-1/4"	13.50"	H05668

815



S32015

M06646

S26999

S26826

S26916

S26999

S23038

S23717

S16767

S23714

	N.I. i	211 1 1 1	
•	TOPL	illustrated.	

89

115 800A

800B

800C

800D

805

810

815

Seal, Mechanical Shaft

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Plug, Pipe 1/2" NPT (6 Reg.)

Plug, Pipe 1/8" NPT (In Bracket)

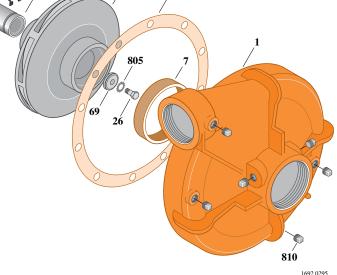
Ring, Balance

Washer, Lock

Ring, Retaining

800C (8-1/2 AK) 800D (12-1/2 AK)

800A



73A

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H03300	8-1/2"	1-1/4"	254JM
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



# **BERKELEY**® B3JPBM Cast Iron Impeller

Threaded Case (NPT), Packing Construction

13 See Supplement B

800A

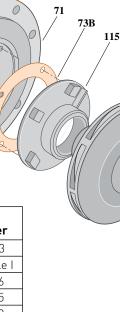
800B (8-1/2 AK) 800C (12-1/2 AK)

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51721	15	3	1800	1-1/4"	10.18"	L06176
B51722	20	3	1800	1-1/4"	11.12"	L06177
B53835	25	3	1800	1-1/4"	11.81"	L06178
B53836	30	3	1800	1-1/4"	12.44"	L06179
B51725	40	3	1800	1-1/4"	13.50"	L03001



Item No.	Part Description	Part Number
1	Case, Volute	H01863
2	Impeller	See Table I
7	Ring, Wearing	S04176
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	M05115
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (6 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H02384	8-1/2"	1-1/4"	254JP
20	3	H02384	8-1/2"	1-1/4"	256JP
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP
40	3	H01601	12-1/2"	1-1/4"	324JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# BERKELEY® B3JPBMS

# Cast Iron Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

800B

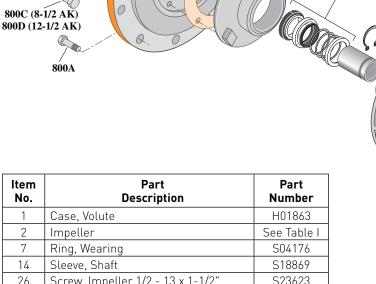
115

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54140	15	3	1800	1-1/4"	10.18"	L06176
B54141	20	3	1800	1-1/4"	11.12"	L06177
B54142	25	3	1800	1-1/4"	11.81"	L06178
B54143	30	3	1800	1-1/4"	12.44"	L06179
B54144	40	3	1800	1-1/4"	13.50"	L03001



Item	Part	Part
No.	Description	Number
1	Case, Volute	H01863
2	Impeller	See Table I
7	Ring, Wearing	S04176
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	M06646
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.) [8-1/2 AK]	S26999
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.) [12-1/2 AK]	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) [8-1/2 AK Only]	S26916
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (6 Req.)	S23717
815	Ring, Retaining	S16767

# Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H03300	8-1/2"	1-1/4"	254JM
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



# **BERKELEY**® B3JPBM Silicon Bronze Impeller

Threaded Case (NPT), Packing Construction

See Supplement B

800A

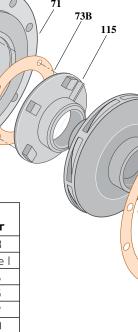
800B (8-1/2 AK) 800C (12-1/2 AK)

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74696	15	3	1800	1-1/4"	10.18"	H05659
B74700	20	3	1800	1-1/4"	11.12"	H05660
B74704	25	3	1800	1-1/4"	11.81"	H05678
B74708	30	3	1800	1-1/4"	12.44"	H05661
B74712	40	3	1800	1-1/4"	13.50"	H05662

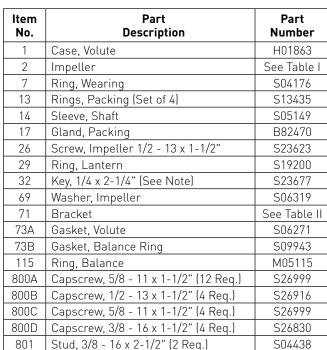


S23343

S23038

S23717

S23700



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H02384	8-1/2"	1-1/4"	254JP
20	3	H02384	8-1/2"	1-1/4"	256JP
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP
40	3	H01601	12-1/2"	1-1/4"	324JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



802

805

810

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2" NPT (6 Reg.)

Washer, Lock

Fitting, Grease

# **BERKELEY**® B3JPBMS Silicon Bronze Impeller

Threaded Case (NPT), Mechanical Shaft Seal Construction

800B

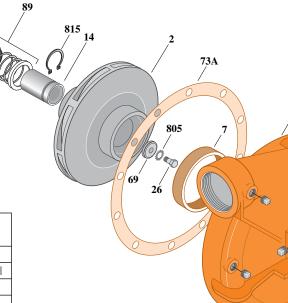
115

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74716	15	3	1800	1-1/4"	10.18"	H05659
B74720	20	3	1800	1-1/4"	11.12"	H05660
B74724	25	3	1800	1-1/4"	11.81"	H05678
B74728	30	3	1800	1-1/4"	12.44"	H05661
B74732	40	3	1800	1-1/4"	13.50"	H05662



810

1692 0295

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H03300	8-1/2"	1-1/4"	254JM
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.

Item No.	Part Description	Part Number
1	Case, Volute	H01863
2	Impeller	See Table I
7	Ring, Wearing	S04176
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	M06646
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800D	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (6 Req.)	S23717
815	Ring, Retaining	S16767
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

• Not illustrated.

800C (8-1/2 AK) 800D (12-1/2 AK)

800A



# **BERKELEY**® B4ZPBH Cast Iron Impeller

17

13 See Supplement B

Flanged Case, Packing Construction

801

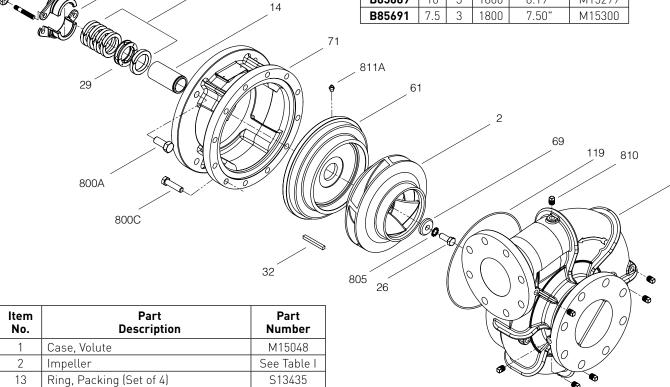
802

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B85685	20	3	1800	9.50"	M15051
B85687	15	3	1800	9.19"	M15298
B85689	10	3	1800	8.19"	M15299
B85691	7.5	3	1800	7.50"	M15300



Item No.	Part Description	Part Number
1	Case, Volute	M15048
2	Impeller	See Table I
13	Ring, Packing (Set of 4)	S13435
14	Sleeve, Shaft (Note 2)	B85741
17	Gland, Packing	B82470
26	Screw, Impeller	S23621
29	Ring, Lantern	S19200
32	Key, 1/4" X 2-1/4"	S23677
61	Plate, Seal	M15047
69	Washer, Impeller	S06319
71	Bracket	M15044
119	0-Ring	M15099
800A	Screw, 1/2-13NC X 1-1/2" LG CRS [4 rqd]	S26916
800C	Screw, 1/2-13NC X 2" LG CRS (12 rqd)	S26920
801	Stud, 3/8-16NC X 2-1/2" LG 416SS (2 rqd)	S04438
802	Nut, Hex, Lock 3/8-16 SS (2 rqd)	M13771
805	Washer, Lock	S23038
810	Plug, Pipe	S23715
811A	Fitting, Grease	S23700

#### Table II

6230 0710

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	M15044	8-1/2"	1-1/4"	256JP
15	3	M15044	8-1/2"	1-1/4"	254JP
10	3	M15044	8-1/2"	1-1/4"	215JP
7.5	3	M15044	8-1/2"	1-1/4"	213JP

**NOTE 1:** Impeller kit **B85754** includes items 26, 32, 69, 119, 805

**NOTE 2:** Shaft sleeve kit **B85741** includes item 14, adhesive and instruction sheet.



# **BERKELEY**® B4ZPBHS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

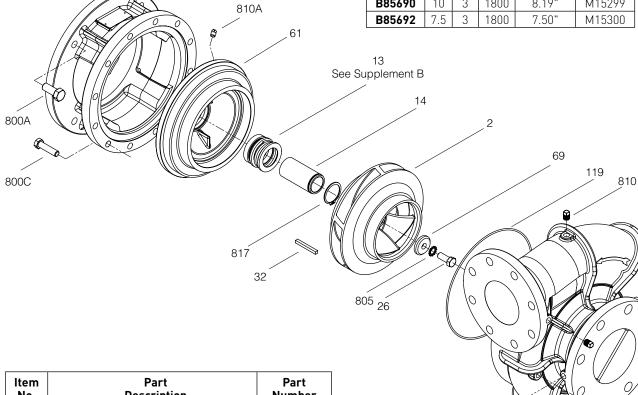
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## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B85686	20	3	1800	9.50"	M15051
B85688	15	3	1800	9.19"	M15298
B85690	10	3	1800	8.19"	M15299
B85692	7.5	3	1800	7.50"	M15300



Item No.	Part Description	Part Number
1	Case, Volute	M15048
2	Impeller	See Table I
13	Seal, Shaft	S32015
14	Sleeve, Shaft (Note 2)	B85741
26	Screw, Impeller	S23621
32	Key, 1/4" X 2-1/4"	S23677
61	Plate, Seal	M15046
69	Washer, Impeller	S06319
71	Bracket	M15044
119	0-Ring	M15099
800A	Screw, 1/2-13NC X 1-1/2 LG CRS [4 rqd]	S26916
800C	Screw, 1/2-13NC X 2 LG CRS (12 rqd)	S26920
805	Washer, Lock	S23038
810	Plug, Pipe	S23715
810A	Plug, Pipe	U78-56ZPS
817	Ring, Retaining	S16767

#### Table II

6231 0710

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	M15044	8-1/2"	1-1/4"	256JP
15	3	M15044	8-1/2"	1-1/4"	254JP
10	3	M15044	8-1/2"	1-1/4"	215JP
7.5	3	M15044	8-1/2"	1-1/4"	213JP

**NOTE 1:** Impeller kit **B85754** includes items 26, 32, 69, 119, 805

**NOTE 2:** Shaft sleeve kit **B85741** includes item 14, adhesive and instruction sheet.



# **BERKELEY**® B4EPM Cast Iron Impeller

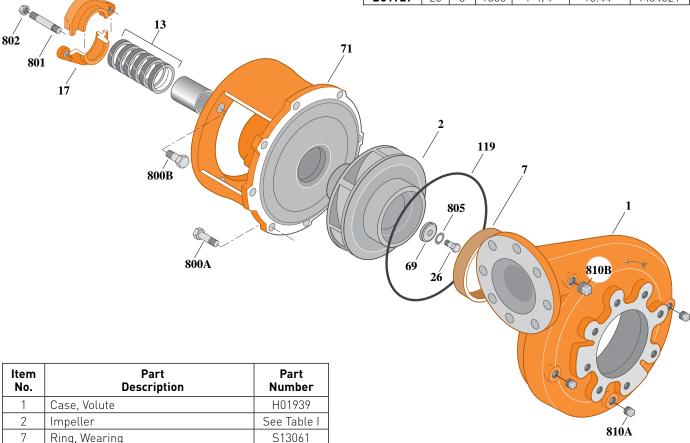
Flanged Case, Packing Construction

## FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51726	15	3	1800	1-1/4"	9.88"	M07704
B51727	20	3	1800	1-1/4"	10.44"	M04821



S13470

S05149

B82470

S23625

S23677

S06319

See Table II

S13760

S04438

S23343

S23038

S26914

S26916

S23715

S23717

1760 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L03637	8-1/2"	1-1/4"	254JP
20	3	L03637	8-1/2"	1-1/4"	256JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



13 14

17

26

32

69

71

119

801

802

805 800A

800B

810A

810B

Rings, Packing (Set of 6)

Screw, Impeller 1/2 - 13 x 1-3/4"

Key, 1/4 x 2-1/4" (See Note)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Reg.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Reg.)

Plug, Pipe 1/2 NPT (2 Req.)

Sleeve, Shaft

Gland, Packing

Washer, Impeller

Bracket

0-Ring

Washer, Lock

# **BERKELEY**® B4EPMS Cast Iron Impeller

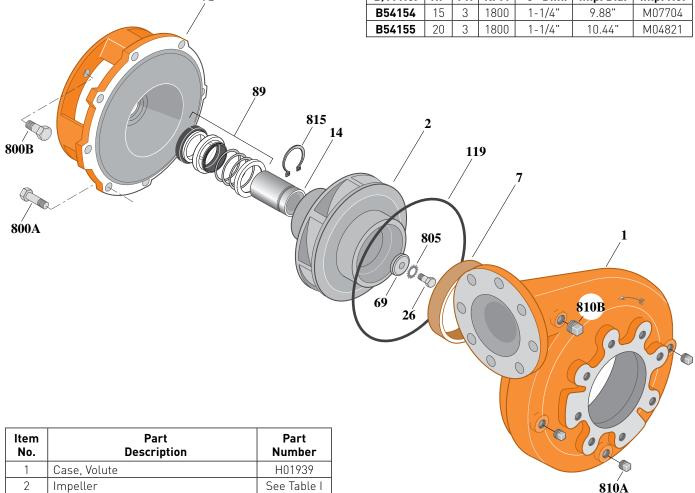
Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54154	15	3	1800	1-1/4"	9.88"	M07704
B54155	20	3	1800	1-1/4"	10.44"	M04821



S23038

S23715

S23717

S16767

Ring, Wearing S13061 Sleeve, Shaft S18869 14 26 Screw, Impeller 1/2 - 13 x 1-3/4" S23625 Key, 1/4 x 2-1/4" (See Note) S23677 32 Washer, Impeller 69 S06319 71 Bracket See Table II 89 Seal, Mechanical Shaft S32015 119 0-Ring S13760 Capscrew, 1/2 - 13 x 1-1/4" (8 Req.) 800A S26914 800B Capscrew, 1/2 - 13 x 1" (4 Req.) S26912

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04616	8-1/2"	1-1/4"	254JM
20	3	L04616	8-1/2"	1-1/4"	256JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



805

810A

810B

815

Washer, Lock

Ring, Retaining

Plug, Pipe 1/4 NPT (3 Req.)

Plug, Pipe 1/2 NPT (2 Reg.)

# **BERKELEY®** B4EPMS Bronze Impeller

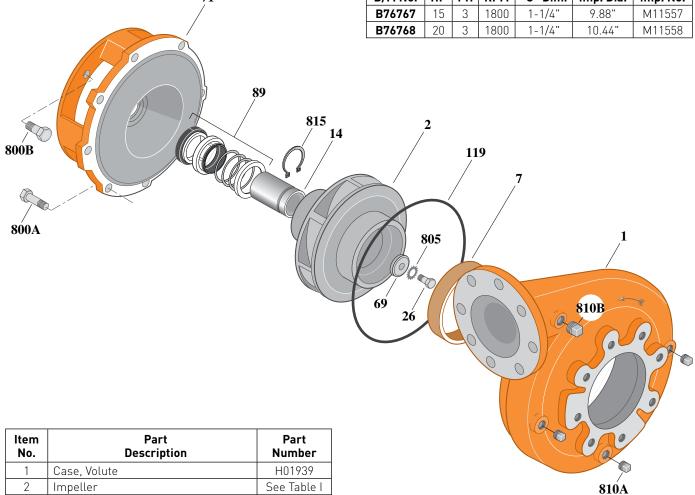
Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76767	15	3	1800	1-1/4"	9.88"	M11557
B76768	20	3	1800	1-1/4"	10.44"	M11558



S13061

S18869

S23625

S23677

S06319

See Table II

S32015

S13760

S26914

S26912

S23038

S23715

S23717

S16767

1677 0295

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04616	8-1/2"	1-1/4"	254JM
20	3	L04616	8-1/2"	1-1/4"	256JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



Ring, Wearing

Sleeve, Shaft

Bracket

0-Ring

Washer, Lock

Ring, Retaining

Washer, Impeller

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 1-3/4"

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Plug, Pipe 1/2 NPT (2 Reg.)

Key, 1/4 x 2-1/4" (See Note)

14

26

32

69

71

89

119

800A

800B

805

810A

810B

# **BERKELEY**® B4EPBM Cast Iron Impeller

13 See Supplement B

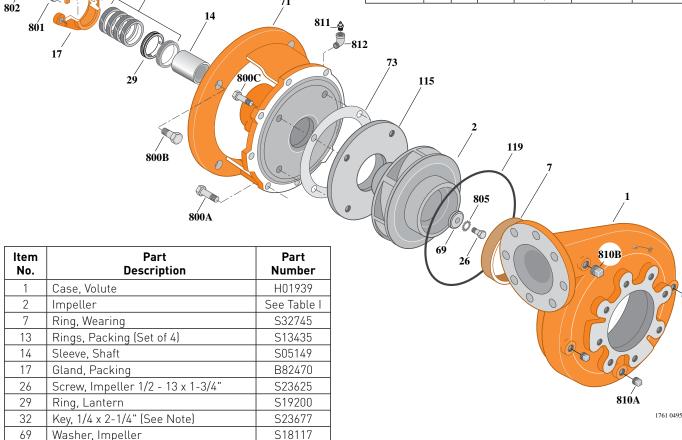
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58786	40	3	3600	1-1/4"	7.18"	L06131
B58787	50	3	3600	1-1/4"	7.75"	L06132
B58788	60	3	3600	1-1/4"	8.18"	L06133



See Table II

S09943

L03649

S13760

S26914

S26999

S26826

S04438

S23343

S23038

S23715

S23717

S23700

S25421

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	L03497	12-1/2"	1-1/4"	286JP
50	3	L03497	12-1/2"	1-1/4"	324JP
60	3	L03497	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



71

73

115

119

800A

800B

800C

801

802

805

810A

810B

811

Bracket

0-Ring

Ring, Balance

Washer, Lock

Fitting, Grease

Elbow, Street

Gasket, Balance Ring

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Plug, Pipe 1/2 NPT (2 Reg.)

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# **BERKELEY**® B4EPBM Cast Iron Impeller

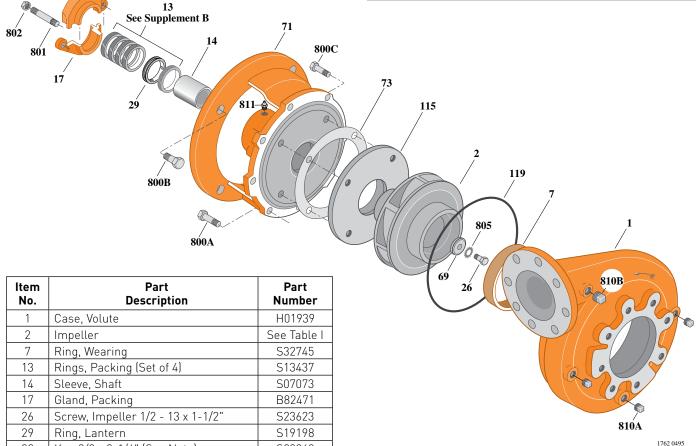
Flanged Case, Packing Construction

## FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58789	75	3	3600	1-5/8"	8.75"	L06134
B58790	100	3	3600	1-5/8"	9.62"	L06135



S23940

S18801

See Table II

S09943

L03837

S13760

S26914

S26999

S26826

S04438

S23343

S23038

S23715

S23717

S23700

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L05610	12-1/2"	1-5/8"	364JP
100	3	L05610	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



32 69

71

73

115

119

800A

800B

800C

802

805

810A

810B

811

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Key, 3/8 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Reg.)

Plug, Pipe 1/2 NPT (2 Req.)

Washer, Impeller

Ring, Balance

Washer, Lock

Fitting, Grease

Gasket, Balance Ring

Bracket

0-Ring

## **BERKELEY**® B4EPBM Cast Iron Impeller

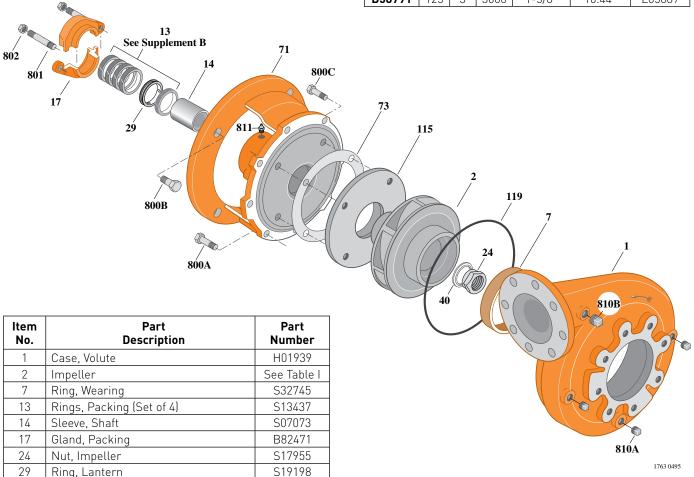
Flanged Case, Packing Construction

## FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58791	125	3	3600	1-5/8"	10.44"	L05889



S23940

S17956

See Table II

S09943

L03837

S13760

S26914

S26999

S26825

S04438

S23343

S23715

S23717

S23700

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L05610	12-1/2"	1-5/8"	404TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



29

32

40

71

73

115

119

800A

800B

800C

801 802

810A

810B

811

Ring, Lantern

Ring, Balance

Fitting, Grease

Deflector

Bracket

0-Ring

Key, 3/8 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Plug, Pipe 1/2 NPT (2 Req.)

Gasket, Balance Ring

Flanged Case, Mechanical Shaft Seal Construction

800C

#### ELECTRIC MOTOR DRIVE

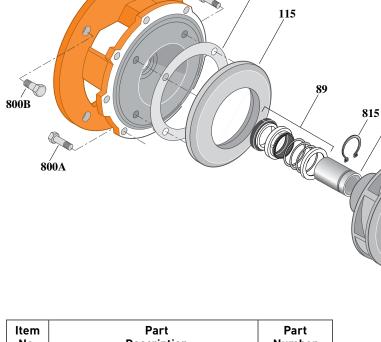
Section		CC
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#### Table I

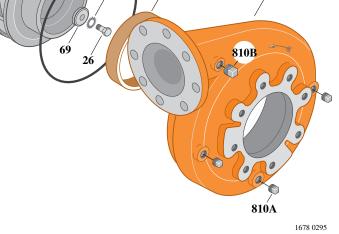
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58792	40	3	3600	1-1/4"	7.18"	L06131
B58793	50	3	3600	1-1/4"	7.75"	L06132
B58794	60	3	3600	1-1/4"	8.18"	L06133

119

805



Item No.	Part Description	Part Number
1	Case, Volute	H01939
2	Impeller	See Table I
7	Ring, Wearing	S32745
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-3/4"	S23625
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S18117
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	L05263
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 3/4" (4 Req.)	S26824
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (3 Req.)	S23715
810B	Plug, Pipe 1/2 NPT (2 Req.)	S23717
815	Ring, Retaining	S16767



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	L04628	12-1/2"	1-1/4"	286JM
50	3	L04628	12-1/2"	1-1/4"	324JM
60	3	L04628	12-1/2"	1-1/4"	326JM



Table I

1-5/8

1-5/8'

PH

3

3

RPM

3600

3600

## **BERKELEY**® B4EPBMS

# Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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Imp. Dia.

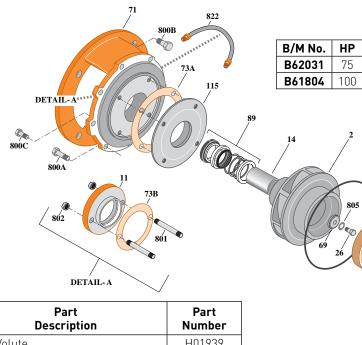
8.75'

9.62'

Imp. No.

L06134

L06135



Item No.	Part Description	Part Number
1	Case, Volute	H01939
2	Impeller	See Table I
7	Ring, Wearing	S32745
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 3/8 x 2" (75 HP) (See Note)	S23939
32	Key, 3/8 x 2-1/4" (100 HP) (See Note)	S23940
69	Washer, Impeller	S18801
71	Bracket	See Table II
73A	Gasket, Balance Ring	S09943
73B	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	L03837
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, 3/8 x 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A		
810B		
820	Connector, Comp. Fitting (2 Req.)	S24013
822	Hose, Buna Tube	M15789
•	Plug, Pipe 1/8 NPT (At Seal Bore)	S23714

<sup>•</sup> Not illustrated.

#### Table II

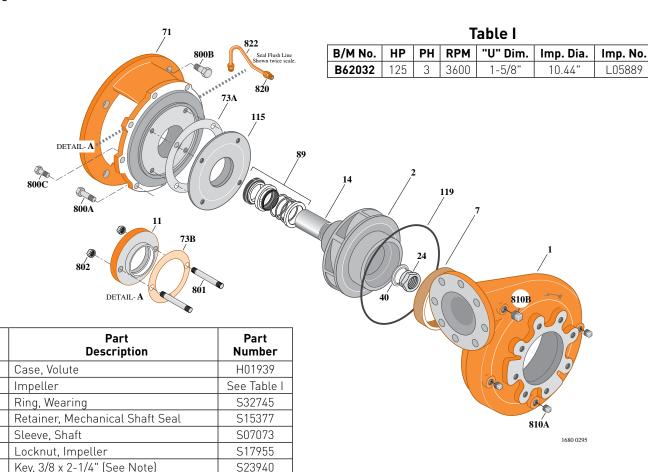
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L06315	12-1/2"	1-5/8"	364JP
100	3	L06315	12-1/2"	1-5/8"	365JP



Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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S17956

See Table II

S09943

S15078

S32016

L03837

S13760

S26914

S27001

S26825

S04438

S23343

S23715

S23717

S24013

S20677

S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L06315	12-1/2"	1-5/8"	404TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

• Not illustrated.

Item

No.

2

7

11

14

24

32

40 71

73A

73B

89

115

119

800A

800B

800C

801

802

810A 810B

820

822

Deflector

Gasket, Balance Ring

Gasket, Seal Retainer

Ring, Balance

Seal, Mechanical Shaft

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Connector, Comp. Fitting (2 Reg.)

Plug, Pipe 1/8 NPT (At Seal Bore)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Plug, Pipe 1/4 NPT (3 Reg.)

Plug, Pipe 1/2 NPT (2 Reg.)

Nut, 3/8 - 16 (2 Req.)

Tubing, Copper

Bracket

0-Ring



# **BERKELEY**® B4EPBMS Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

800C

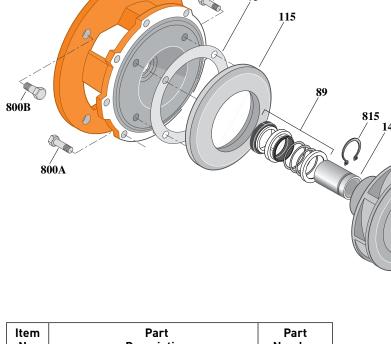
#### ELECTRIC MOTOR DRIVE

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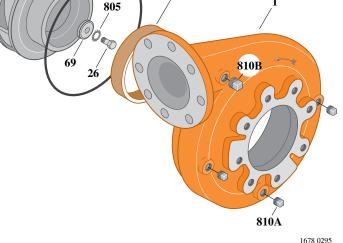
#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76769	40	3	3600	1-1/4"	7.18"	M11559
B76770	50	3	3600	1-1/4"	7.75"	M11560
B76425	60	3	3600	1-1/4"	8.18"	L08540

119



ltem No.	Part Description	Part Number
1	Case, Volute	H01939
2	Impeller	See Table I
7	Ring, Wearing	S32745
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-3/4"	S23625
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S18117
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	L05263
119	0-Ring	S13760
A008	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 3/4" (4 Req.)	S26824
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (3 Req.)	S23715
810B	Plug, Pipe 1/2 NPT (2 Req.)	S23717
815	Ring, Retaining	S16767



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	L04628	12-1/2"	1-1/4"	286JM
50	3	L04628	12-1/2"	1-1/4"	324JM
60	3	L04628	12-1/2"	1-1/4"	326JM



## **BERKELEY**® B4EPBMS

# Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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Imp. No.

L08529

M11561

#### Table I "U" Dim. B/M No. HP PH RPM Imp. Dia. B76771 75 3 3600 1-5/8' 8.75" B76772 100 3 1-5/8" 9.62" 3600

Item No.	Part Description	Part Number
1	Case, Volute	H01939
2	Impeller	See Table I
7	Ring, Wearing	S13061
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 3/8 x 2" (75 HP) (See Note)	S23939
32	Key, 3/8 x 2-1/4" (100 HP) (See Note)	S23940
69	Washer, Impeller	S18801
71	Bracket	See Table II
73A	Gasket, Balance Ring	S09943
73B	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	L03837
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, 3/8 x 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/4 NPT (3 Req.)	S23715
810B	Plug, Pipe, 1/2 NPT (2 Req.)	S23717
820	Connector, Comp. Fitting (2 Req.)	S24013
822	Tubing, Copper	S20677
•	Plug, Pipe 1/8 NPT (At Seal Bore)	S23714

<sup>•</sup> Not illustrated.

810B 810A	
10	679 0295

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L06315	12-1/2"	1-5/8"	364JP
100	3	L06315	12-1/2"	1-5/8"	365JP



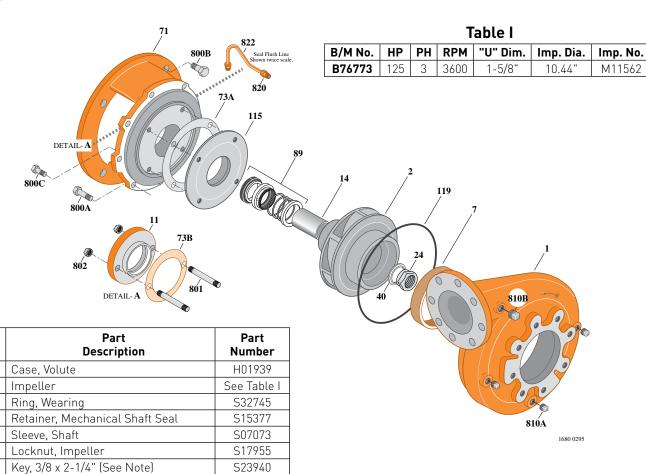
## **BERKELEY**® B4EPBMS

## Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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S17956

See Table II

S09943

S15078

S32016

L03837

S13760

S26914

S27001

S26825

S04438

S23343

S23715

S23717

S24013

S20677

S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L06315	12-1/2"	1-5/8"	404TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

• Not illustrated.

Item

No.

11

14

24

40

71

73A

73B

89 115

119 800A

800B 800C

801

802

810A

810B

820

822

Deflector

Gasket, Balance Ring

Gasket, Seal Retainer

Ring, Balance

Seal, Mechanical Shaft

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Connector, Comp. Fitting (2 Reg.)

Plug, Pipe 1/8 NPT (At Seal Bore)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Plug, Pipe 1/4 NPT (3 Req.)

Plug, Pipe 1/2 NPT (2 Reg.)

Nut, 3/8 - 16 (2 Req.)

Tubing, Copper

Bracket

0-Ring



See Supplement B

811-9

Flanged Case, Packing Construction

800A (25-50HP)

800A

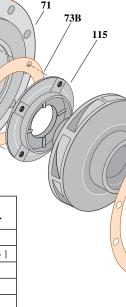
#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58872	20	3	1800	1-1/4"	10.06"	L06180
B58873	25	3	1800	1-1/4"	10.75"	L06181
B58874	30	3	1800	1-1/4"	11.38"	L06182
B58875	40	3	1800	1-1/4"	12.38"	L06183
B58876	50	3	1800	1-1/4"	13.25"	L06184

73A



1770 0495

810

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	H02384	8-1/2"	1-1/4"	256JP
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP
40	3	H01601	12-1/2"	1-1/4"	324JP
50	3	H01601	12-1/2"	1-1/4"	326JP





## **BERKELEY**® B4JPBH Bronze Impeller

13 See Supplement B

811-9

Flanged Case, Packing Construction

800A (25-50HP)

Part **Description** 

800A

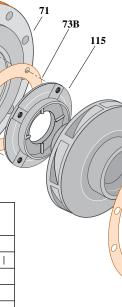
#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B75871	20	3	1800	1-1/4"	10.06"	M11273
B75872	25	3	1800	1-1/4"	10.75"	M11272
B75873	30	3	1800	1-1/4"	11.38"	M11271
B75874	40	3	1800	1-1/4"	12.38"	M11270
B75875	50	3	1800	1-1/4"	13.25"	M11269

73A



0	
Part	
Number	
H03843	
See Table I	
S02894	
S13435	
S05149	
B82470	
S23623	
S19200	
S23677	
S19275	
See Table II	
S06271	
S09943	
S12315	
S26999	
S26916	
S23996	
S04438	
S23103	
S23343	

See

S23038

S23717

S23700

S25421

See

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	H02384	8-1/2"	1-1/4"	256JP
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP
40	3	H01601	12-1/2"	1-1/4"	324JP
50	3	H01601	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



Item

No.

2

7

13 14

17

26

32

40 71

73A

73B

115

A008

800B

801A

801B

802A

802B

805

810

811

812

Case, Volute

Ring, Wearing

Shaft, Sleeve

Gland, Packing

Ring, Lantern

Gasket, Volute

Ring, Balance

Washer, Lock

Fitting, Grease

Elbow, Street

Gasket, Balance Ring

Deflector

Bracket

Rings, Packing (Set of 4)

Screw, Impeller 1/2 - 13 x 1-1/2"

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) Stud, 3/8 - 16 x 1-3/4" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

Impeller

# **BERKELEY**® B4JPBHS Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

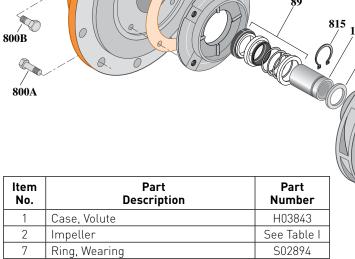
73B 115

#### ELECTRIC MOTOR DRIVE

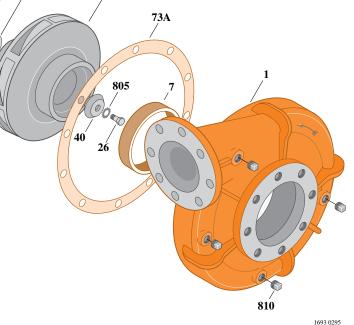
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B75876	20	3	1800	1-1/4"	10.06"	M11273
B75877	25	3	1800	1-1/4"	10.75"	M11272
B75878	30	3	1800	1-1/4"	11.38"	M11271
B75879	40	3	1800	1-1/4"	12.38"	M11270
B75880	50	3	1800	1-1/4"	13.25"	M11269



Item No.	Part Description	Part Number
1	Case, Volute	H03843
2	Impeller	See Table I
7	Ring, Wearing	S02894
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S19275
67	Ring Spacer	S19349
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19105
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.) [8-1/2 AK]	S26999
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.) [12-1/2 AK]	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) [8-1/2 AK Only]	S26916
801	Stud, 3/8 - 16 x 1-3/8" (4 Req.)	S09942
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM



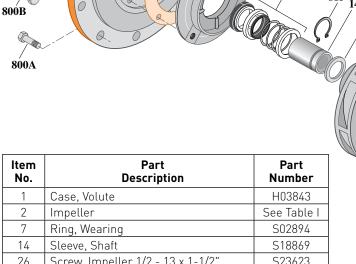
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

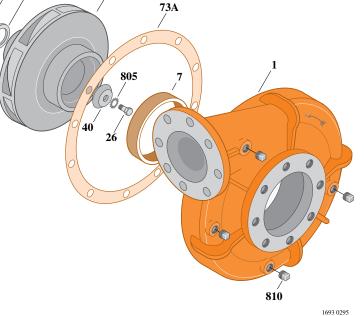
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### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58877	20	3	1800	1-1/4"	10.06"	L06180
B58878	25	3	1800	1-1/4"	10.75"	L06181
B58879	30	3	1800	1-1/4"	11.38"	L06182
B58880	40	3	1800	1-1/4"	12.38"	L06183
B58881	50	3	1800	1-1/4"	13.25"	L06184



No.	Description	Number
1	Case, Volute	H03843
2	Impeller	See Table I
7	Ring, Wearing	S02894
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S19275
67	Ring Spacer	S19349
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19105
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.) [8-1/2 AK]	S26999
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.) (12-1/2 AK)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) [8-1/2 AK Only]	S26916
801	Stud, 3/8 - 16 x 1-3/8" (4 Req.)	S09942
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM



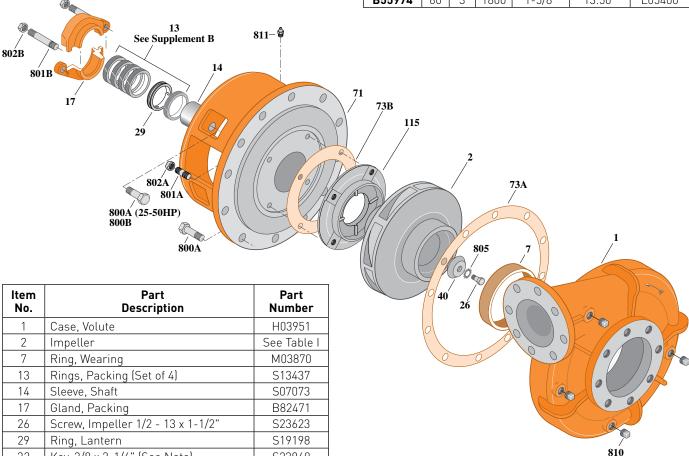
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55974	60	3	1800	1-5/8"	13.50"	L05400



S23940

S18801

See Table II

S06271

S09943 S19521

S26999

S27001

S23996

S04438

S23103

S23343

S23038

S23717

S23700

S25421

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03622	12-1/2"	1-5/8"	364JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



32

40

71

73A

73B

115

A008

800B

801A

801B

802A

802B

805

810

811

812

Key, 3/8 x 2-1/4" (See Note)

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Stud, 3/8 - 16 x 1-3/4" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

Deflector

Gasket, Volute

Ring, Balance

Washer, Lock

Fitting, Grease

Elbow, Street

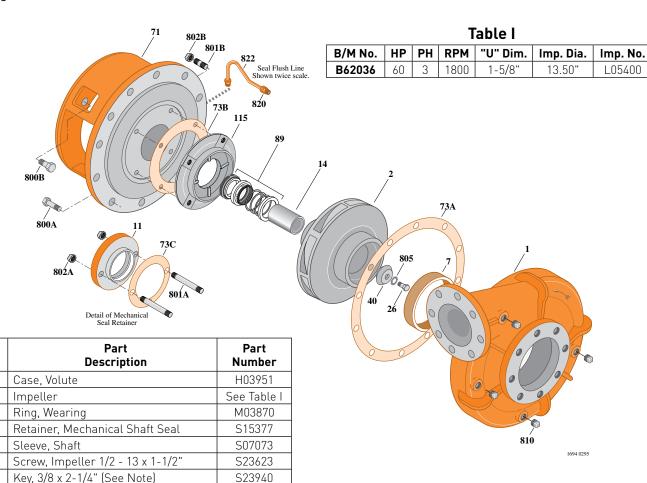
Gasket, Balance Ring

Bracket

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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S18801 See Table II

> S06271 S09943

S15078

S32016

S19521

S26999

S27001

S04438

S23343

S23996

S23013

S23038

S23717

S24013

S20677

S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03936	12-1/2"	1-5/8"	364JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Item

No.

11

14

26

32

40

73A

73B

73C

89

115

A008

800B 801A

802A

801B

802B

805

810

820

822

Deflector

Gasket, Volute Case

Gasket, Balance Ring

Gasket, Seal Retainer

Ring, Balance

Nut, 3/8 - 16

Washer, Lock

Tubing, Copper

Nut, 3/8 - 16 (4 Reg.)

Plug, Pipe 1/2 NPT

Seal, Mechanical Shaft

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Stud, 3/8 - 16 x 1-3/4" (4 Req.)

Connector, Comp. Fitting (2 Reg.)

Plug, Pipe 1/8 NPT (Not Illustrated)

Bracket

## **BERKELEY**® B4GPBH Silicon Bronze Impeller

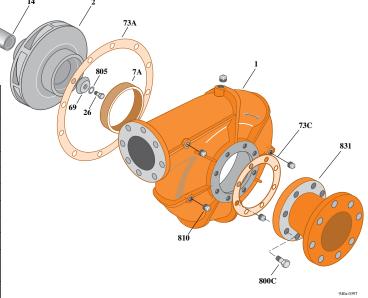
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B75868	15	3	1750	1-1/4"	9.50""	M11268
B75859	20	3	1750	1-1/4"	10.31"	M11267
B75858	25	3	1750	1-1/4"	11.06"	M11266
B75857	30	3	1750	1-1/4"	11.69"	M11265
B75856	40	3	1750	1-1/4"	12.56"	M11264
B75855	50	3	1750	1-1/4"	12.75"	H05779



Item No.	Part Description	Part Number
1	Case, Volute	H05778
2	Impeller	See Table I
7A	Ring, Wearing	M11195
7B	Ring, Wearing	M11194
13	Ring, Packing (Set of 5)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 5/8 - 11 x 1-3/4"	S27001
29	Ring, Lantern	S19200
69	Deflector	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
73C	Gasket, Eccentric Reducer	S10367
115	Ring, Balance	H05781
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.) (12-1/2 AK)	S26999
800A	Capscrew, 5/8 - 11 x 1-1/2" [12 Req.] [8-1/2 AK]	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.) [8-1/2 AK Only]	S26916
800C	Capscrew, 3/4" - 10 x 1-3/4" [8 Req.]	S27327
801A	Stud, 3/8 - 16 x 1-3/8" (4 Req.)	S09942
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, 3/8 - 16 (4 Req.)	S23103
802B	Nut, 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (6 Req.)	S23717
811	Fitting, Grease	S23700
831	Reducer, Eccentric	H05780

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H02384	8-1/2"	1-1/4"	254TCZ/JP
20	3	H02384	8-1/2"	1-1/4"	256JP/TCZ
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP
40	3	H01601	12-1/2"	1-1/4"	324JP/TCZ
50	3	H01601	12-1/2"	1-1/4"	326JP



# BERKELEY® B4GPBHS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

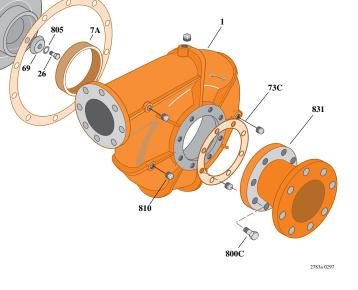
#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B75869	15	3	1750	1-1/4"	9.50"	M11268
B75863	20	3	1750	1-1/4"	10.31"	M11267
B75862	25	3	1750	1-1/4"	11.06"	M11266
B75861	30	3	1750	1-1/4"	11.69"	M11265
B75860	40	3	1750	1-1/4"	12.56"	M11264
B75279	50	3	1750	1-1/4"	12.75"	H05779

Item No.	Part Description	Part Number
1	Case, Volute	H05778
2	Impeller	See Table I
7A	Ring, Wearing	M11195
7B	Ring, Wearing	M11194
14	Sleeve, Shaft	S18869
26	Screw, Impeller 5/8 - 11 x 1-3/4"	S27001
67	Ring, Spacer	S19349
69	Deflector	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
73C	Gasket, Eccentric Reducer	S10367
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	H05781
800A	Capscrew, 5/8 - 11 x 1-1/2" [16 Req.] [12-1/2 AK]	S26999
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.) [8-1/2 AK]	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H03300	8-1/2"	1-1/4"	254JM
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



800C

802 805

810

815

(8-1/2 AK Only)

Washer, Lock

Ring, Retaining

Reducer, Eccentric

Nut, 3/8 - 16 (4 Req.)

Capscrew, 3/4" - 10 x 1-3/4" (8 Req.)

Stud, 3/8 - 16 x 1-3/8" (4 Req.)

Plug, Pipe 1/2 NPT (6 Req.)

S27327

S09942

S23103

S23038

S23717

S16767

H05780

## **BERKELEY®** B4GPBH Silicon Bronze Impeller

Flanged Case, Packing Construction

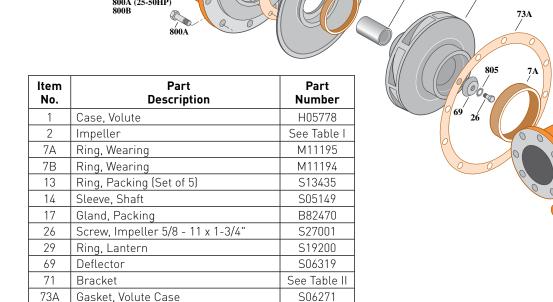
13 See Supplement B

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B80470	15	3	1750	1-1/4"	9.50"	M11268
B80472	20	3	1750	1-1/4"	10.31"	M11267
B80474	25	3	1750	1-1/4"	11.06"	M11266
B80476	30	3	1750	1-1/4"	11.69"	M11265
B80478	40	3	1750	1-1/4"	12.56"	M11264
B80480	50	3	1750	1-1/4"	12.75"	H05779



S09943

H05781

S26999

S26999

S26916

S09942

S04438

S23103

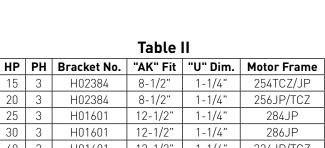
S23343

S23038

S23717

S23700

811-



L	12	РН	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
	15	3	H02384	8-1/2"	1-1/4"	254TCZ/JP
	20	3	H02384	8-1/2"	1-1/4"	256JP/TCZ
	25	3	H01601	12-1/2"	1-1/4"	284JP
(	30	3	H01601	12-1/2"	1-1/4"	286JP
4	40	3	H01601	12-1/2"	1-1/4"	324JP/TCZ
ļ	50	3	H01601	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



73B

115

800A

800A

800B

801A

801B

802A 802B

805

810

Gasket, Balance Ring

Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-3/8" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Plug, Pipe 1/2 NPT (6 Reg.)

Ring, Balance

(12-1/2 AK)

(8-1/2 AK)

(8-1/2 AK Only)

Washer, Lock

Fitting, Grease

Nut, 3/8 - 16 (4 Req.)

Nut, 3/8 - 16 (2 Req.)

## **BERKELEY**® B4GPBHS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

115 7B

S26916

S09942

S23103

S23038

S23717

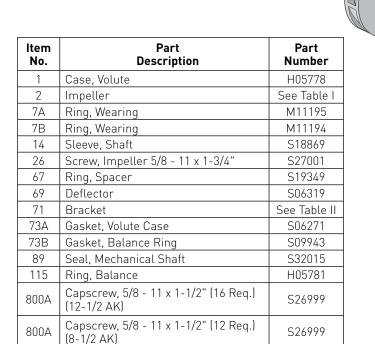
S16767

#### FLECTRIC MOTOR DRIVE

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#### Table I

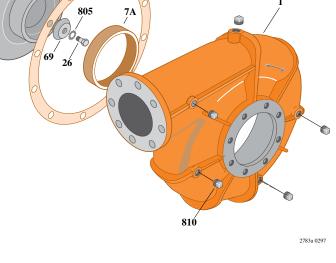
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B80482	15	3	1750	1-1/4"	9.50"	M11268
B80484	20	3	1750	1-1/4"	10.31"	M11267
B80486	25	3	1750	1-1/4"	11.06"	M11266
B80488	30	3	1750	1-1/4"	11.69"	M11265
B80490	40	3	1750	1-1/4"	12.56"	M11264
B80492	50	3	1750	1-1/4"	12.75"	H05779



Capscrew, 1/2 - 13 x 1-1/2" (4 Reg.)

Stud, 3/8 - 16 x 1-3/8" (4 Req.)

Plug, Pipe 1/2 NPT (6 Reg.)



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H03300	8-1/2"	1-1/4"	254JM
20	3	H03300	8-1/2"	1-1/4"	256JM
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



800B

801

802

805

810

815

800A (25-50 HP)

800A

(8-1/2 AK Only)

Washer, Lock

Ring, Retaining

Nut, 3/8 - 16 (4 Req.)

See Supplement B

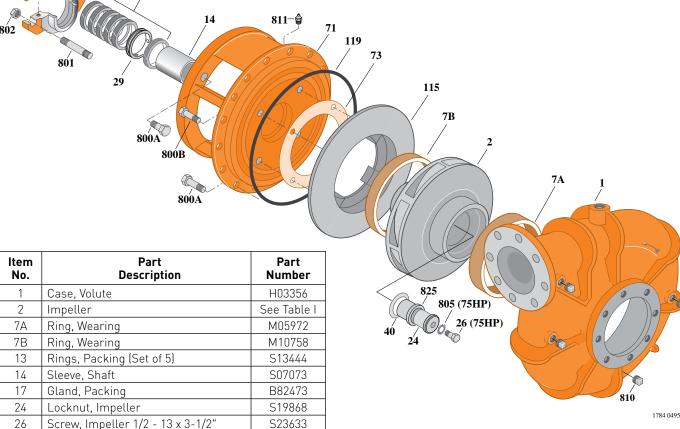
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55975	60	3	1800	1-5/8"	14.50"	H03900
B55976	75	3	1800	1-5/8"	15.50"	H03529



S19198

S23940

S19864

See Table II

S09943

M06728

S14444

S27001

S26826

S08305

S23347

S23038

S23717

S23700

S19865

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03684	12-1/2"	1-5/8"	364JP
75	3	H03684	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



29

32

40

71

73

115

119

800A

800B

802 805

810

811

Ring, Lantern

Ring, Balance

Washer, Lock

Fitting, Grease

Deflector

Bracket

0-Ring

Key, 3/8 x 2-1/4" (See Note)

Capscrew, 5/8 - 11 x 1-3/4" (20 Req.)

Capscrew, 3/8 - 16 x 1" (4 Req.)

Stud, 1/2 - 13 x 3-3/4" (2 Reg.)

Plug, Pipe 1/2 NPT (4 Reg.)

Sleeve, Impeller Locknut

Nut, Hex 1/2 - 13 x 7/16" (2 Req.)

Gasket, Balance Ring

71B

73B

Flanged Case, Packing Construction

13 See Supplement B

Key, 1/4 x 2-1/4" (See Note)

Washer, Impeller

Gasket, Suction Cover

Gasket, Balance Ring

Capscrew, 5/8 - 11 x 1-3/4" (16 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)

Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

Ring, Adapter

Gasket, Volute

Ring, Balance

Washer, Lock

Fitting, Grease

Elbow, Street

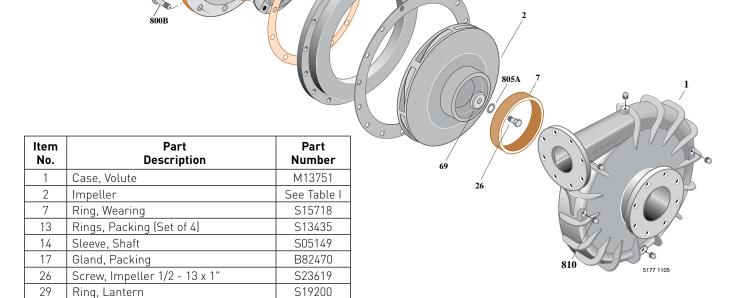
Bracket

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B83191	40	3	1800	1-1/4"	14.44"	L06185
B83195	50	3	1800	1-1/4"	15.06"	L06186



S23677

S06319 M13753

See Table II

S06401

S06271

S09943

S13655

S27001

S26999

S26830

S04438

S23343

S23038

S23717

S23700

S25421

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H01601	12-1/2"	1-1/4"	324JP
50	3	H01601	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



69

71A

71B

73A

73B

73C

115

800A

800B

800C

802 805

810

811

812

Flanged Case, Packing Construction

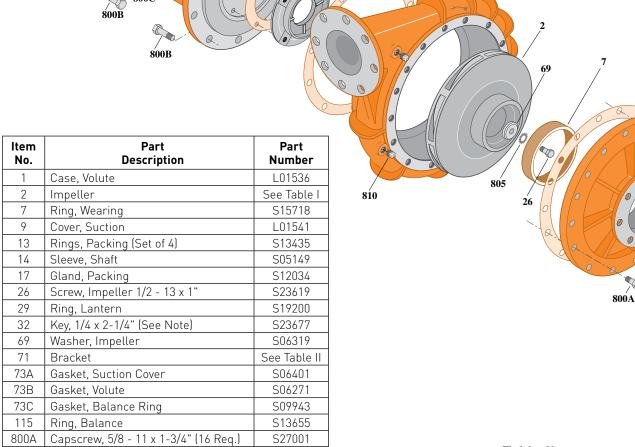
See Supplement B

#### ELECTRIC MOTOR DRIVE

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Supersedes 06/01/95			

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51738	40	3	1800	1-1/4"	14.44"	L06185
B51739	50	3	1800	1-1/4"	15.06"	L06186



S26999

S26830

S04438

S23343

S23038

S23717

S23700

S25421

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H01601	12-1/2"	1-1/4"	324JP
50	3	H01601	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



800B

800C

802

805

810

811

812

Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)

Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

Washer, Lock

Fitting, Grease

Elbow, Street

1765 0495

Flanged Case, Packing Construction

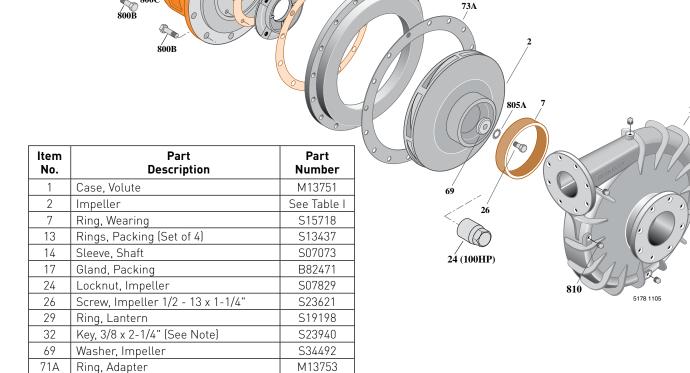
13 ee Supplement B

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B83192	60	3	1800	1-5/8"	16.00"	L06187
B83193	75	3	1800	1-5/8"	16.94"	L06188
B83188	100	3	1800	1-5/8"	17.88"	L02425



See Table II

S06401

S06271

S09943

S13655

S27001

S26999

S26830

S04438

S23343

S23038

S23717

S23700

S25421

73B

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03622	12-1/2"	1-5/8"	364JP
75	3	H03622	12-1/2"	1-5/8"	365JP
100	3	H03622	12-1/2"	1-5/8"	404TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



71B

73A

73B

73C

115

800A

800B

800C

801

802 805

810

811

812

Bracket

Gasket, Suction Cover

Gasket, Balance Ring

Capscrew, 5/8 - 11 x 1-3/4" (20 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

Gasket, Volute

Ring, Balance

Washer, Lock

Fitting, Grease

Elbow, Street

13 See Supplement B

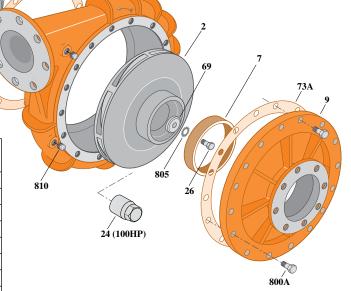
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

Ì	B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
	B55977	60	3	1800	1-5/8"	16.00"	L06187
	B55978	75	3	1800	1-5/8"	16.94"	L06188
	B55979	100	3	1800	1-5/8"	17.88"	L02425



Item	Part	Part
No.	Description	Number
1	Case, Volute	L01536
2	Impeller	See Table I
7	Ring, Wearing	S15718
9	Cover, Suction	L01541
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073L
17	Gland, Packing	B82471
24	Locknut, Impeller	S07829
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
29	Ring, Lantern	S19198
32	Key, 3/8 x 2-1/4" (See Note)	S23940
69	Washer, Impeller	S34492
71	Bracket	See Table II
73A	Gasket, Suction Cover	S06401
73B	Gasket, Volute	S06271
73C	Gasket, Balance Ring	S09943
115	Ring, Balance	S13655
800A	Capscrew, 5/8 - 11 x 1-3/4" (20 Req.)	S27001
800B	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03622	12-1/2"	1-5/8"	364JP
75	3	H03622	12-1/2"	1-5/8"	365JP
100	3	H03622	12-1/2"	1-5/8"	404TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



1766 0495

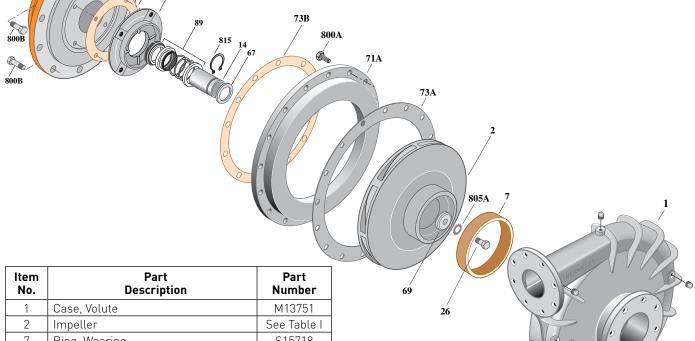
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B83186	40	3	1800	1-1/4"	14.44"	L06185
B83187	50	3	1800	1-1/4"	15.06"	L06186



Item No.	Part Description	Part Number
1	Case, Volute	M13751
2	Impeller	See Table I
7	Ring, Wearing	S15718
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note)	S23677
67	Ring, Spacer	S19349
69	Washer, Impeller	S06319
71A	Ring, Adapter	M13753
71B	Bracket	See Table II
73A	Gasket, Suction Cover	S06401
73B	Gasket, Volute Case	S06271
73C	Gasket, Blanace Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19036
800A	Capscrew, 5/8 - 11 x 1-3/4" (16 Req.)	S27001
800B	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM



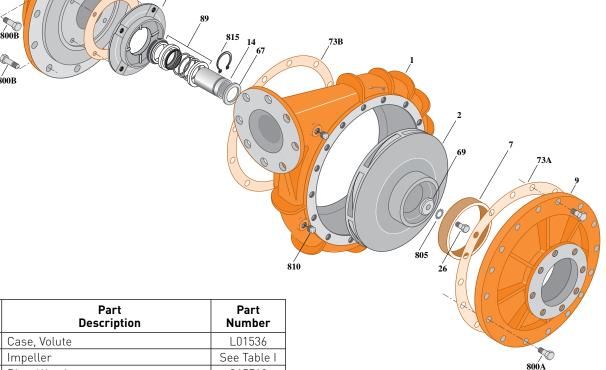
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54183	40	3	1800	1-1/4"	14.44"	L06185
B54184	50	3	1800	1-1/4"	15.06"	L06186



Item No.	Part Description	Part Number
1	Case, Volute	L01536
2	Impeller	See Table I
7	Ring, Wearing	S15718
9	Cover, Suction	L01541
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note)	S23677
67	Ring, Spacer	S19349
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Suction Cover	S06401
73B	Gasket, Volute Case	S06271
73C	Gasket, Blanace Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19036
800A	Capscrew, 5/8 - 11 x 1-3/4" (16 Req.)	S27001
800B	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM



Flanged Case, Mechanical Shaft Seal Construction

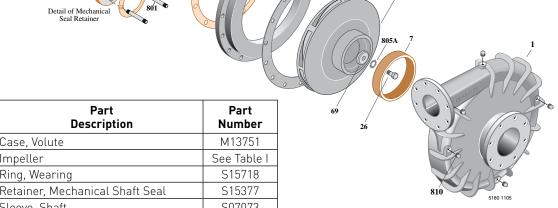
822 Seal Flush Line Shown twice scale

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B83194	60	3	1800	1-5/8"	16.00"	L06187
B83189	75	3	1800	1-5/8"	16.94"	L06188
B83190	100	3	1800	1-5/8"	17.88"	L02425



#### No. Case, Volute Impeller Ring, Wearing 11 Retainer, Mechanical Shaft Seal 14 Sleeve, Shaft S07073 26 Screw, Impeller 1/2 - 13 x 1-1/4" S23621 Key, 1/4 x 2-1/4" (See Note) 32 S23677 Washer, Impeller (60-75 HP) 69 S34492 69 Washer, Impeller (100 HP) S07829 71A Ring, Adapter M13753 71B Bracket See Table II 73A Gasket, Suction Cover S06401 73B Gasket, Volute Case S06271 S09943 73C Gasket, Balance Ring 73D Gasket, Seal Retainer S15078 89 Seal, Mechanical Shaft S32016 115 Ring, Balance S13655 Capscrew, 5/8 - 11 x 1-3/4" (20 Req.) A008 S27001 Capscrew, 5/8 - 11 x 1-1/2" (12 Req.) 800B S26999 800C Capscrew, 3/8 - 16 x 1-1/2" (4 Req.) S26830 Stud, 3/8 - 16 x 2-1/2" (2 Req.) S04438 801 802 Nut, 3/8 - 16 (2 Req.) S23343 Washer, Lock (Not On 100 HP) S23038 Plug, Pipe 1/2 NPT (4 Reg.) 810 S23717 820 Connector, Comp. Fitting (2 Req.) S24013 822 Tubing, Copper S20677 Plug, Pipe 1/8 NPT (Not Illustrated) S23714 Plug, Pipe 1/4 NPT (Not Illustrated) S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03936	12-1/2"	1-5/8"	364JP
75	3	H03936	12-1/2"	1-5/8"	365JP
100	3	H03936	12-1/2"	1-5/8"	404TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

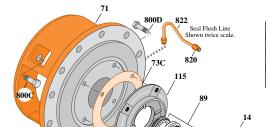


Item

Flanged Case, Mechanical Shaft Seal Construction

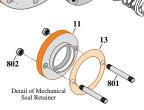
#### ELECTRIC MOTOR DRIVE

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"U" Dim. B/M No. HP PΗ RPM Imp. Dia. Imp. No. B62039 60 1-5/8' L06187 3 1800 16.00 75 1-5/8" 16.94" B62041 3 1800 L06188 B62043 100 3 1800 1-5/8" 17.88" L02425

Table I



	Detail of Mechanical Seal Retainer	
Item No.	Part Description	Part Number
1	Case, Volute	L01536
2	Impeller	See Table I
7	Ring, Wearing	S15718
9	Cover, Suction	L01541
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller (60-75 HP)	S34492

No.	Description	Number
1	Case, Volute	L01536
2	Impeller	See Table I
7	Ring, Wearing	S15718
9	Cover, Suction	L01541
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller (60-75 HP)	S34492
69	Washer, Impeller (100 HP)	S07829
71	Bracket	See Table II
73A	Gasket, Suction Cover	S06401
73B	Gasket, Volute Case	S06271
73C	Gasket, Balance Ring	S09943
73D	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S13655
800A	Capscrew, 5/8 - 11 x 1-3/4" (20 Req.)	S27001
800B	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800C	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock (Not On 100 HP)	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
820	Connector, Comp. Fitting (2 Req.)	S24013
822	Tubing, Copper	S20677

Plug, Pipe 1/8 NPT (Not Illustrated)

Plug, Pipe 1/4 NPT (Not Illustrated)

S23714

S23715

# 1700 0295

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03936	12-1/2"	1-5/8"	364JP
75	3	H03936	12-1/2"	1-5/8"	365JP
100	3	H03936	12-1/2"	1-5/8"	404TC



Flanged Case, Packing Construction

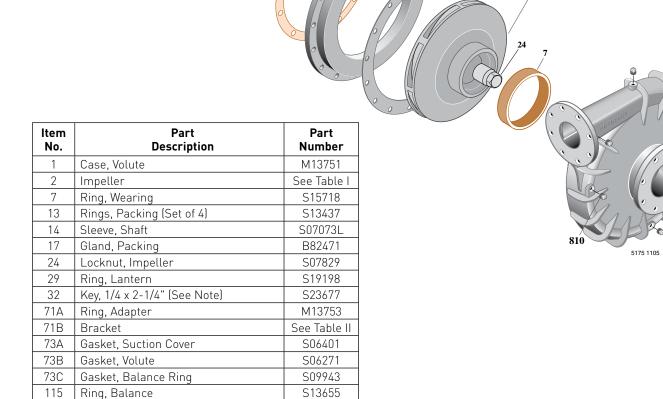
13 See Supplement B

#### ELECTRIC MOTOR DRIVE

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	Supersedes 12/01/05

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B83196	100	3	1800	1-5/8"	17.25"	L06192
B83197	125	3	1800	1-5/8"	17.88"	L02577



S27001

S26999

S26830

S04438

S23343

S23717

S23700

S25421

71B

73C

800A

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03622	12-1/2"	1-5/8"	404TC
125	3	H03622	12-1/2"	1-5/8"	405TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



800A

800B

800C

801 802

810

811

812

Capscrew, 5/8 - 11 x 1-3/4" (20 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Fitting, Grease

Elbow, Street

Plug, Pipe 1/2 NPT (4 Reg.)

Flanged Case, Packing Construction

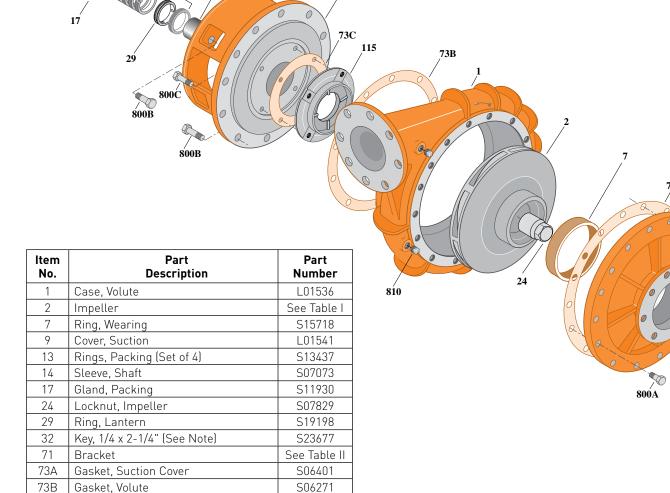
13 See Supplement B

#### ELECTRIC MOTOR DRIVE

Section	CC
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Superse	des 06/01/05

#### Table I

	B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
	B55982	100	3	1800	1-5/8"	17.25"	L06192
ĺ	B55983	125	3	1800	1-5/8"	17.88"	L02577



S09943

S13655

S27001

S26999

S26830

S04438

S23343

S23717

S23700

S25421

812

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03622	12-1/2"	1-5/8"	404TC
125	3	H03622	12-1/2"	1-5/8"	405TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



73C

115

A008

800B

800C

801 802

810

811

812

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Gasket, Balance Ring

Capscrew, 5/8 - 11 x 1-3/4" (20 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

Ring, Balance

Fitting, Grease

Elbow, Street

1767 0495

See Supplement B

Flanged Case, Packing Construction

802

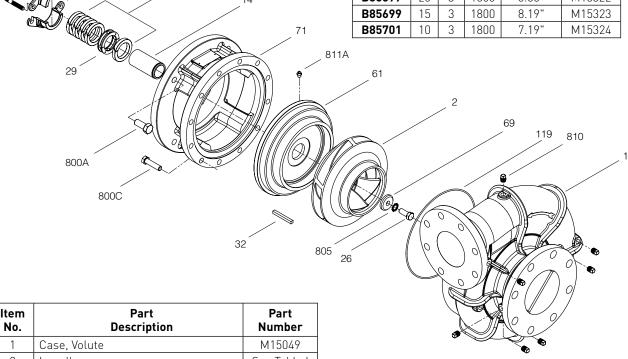
801

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B86081	30	3	1800	9.50"	M15052
B85695	25	3	1800	9.50"	M15052
B85697	20	3	1800	8.88"	M15322
B85699	15	3	1800	8.19"	M15323
B85701	10	3	1800	7.19"	M15324



Item No.	Part Description	Part Number
1	Case, Volute	M15049
2	Impeller	See Table I
13	Ring, Packing (Set of 4)	S13435
14	Sleeve, Shaft (Note 2)	B85741
17	Gland, Packing	B82740
26	Screw, Impeller	S23621
29	Ring, Lantern	S19200
32	Key, 1/4" X 2-1/4"	S23677
61	Plate, Seal	M15047
69	Washer, Impeller	S06319
71	Bracket	See Table II
119	0-Ring	M15099
800A	Screw, 1/2-13NC X 1-1/2" LG CRS (4 rqd)	S26916
800C	Screw, 1/2-13NC X 2" LG CRS (12 rqd)	S26920
801	Stud, 3/8-16NC X 2-1/2" LG 416SS (2 rqd)	S04438
802	Nut, Hex, Lock 3/8-16 SS (2 rqd)	M13771
805	Washer, Lock	S23038
810	Plug, Pipe	S23715
811A	Fitting, Grease	S23700

#### Table II

6230 0710

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	M15045	12.50"	1-1/4"	286JP
25	3	M15045	12.50"	1-1/4"	284JP
20	3	M15044	8.50"	1-1/4"	256JP
15	3	M15044	8.50"	1-1/4"	254JP
10	3	M15044	8.50"	1-1/4"	215JP

**NOTE 1:** Impeller kit **B85754** includes items 26, 32, 69, 119, 805.

**NOTE 2:** Shaft sleeve kit **B85741** includes item 14, adhesive and instruction sheet.



# **BERKELEY**® B5ZPBHS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

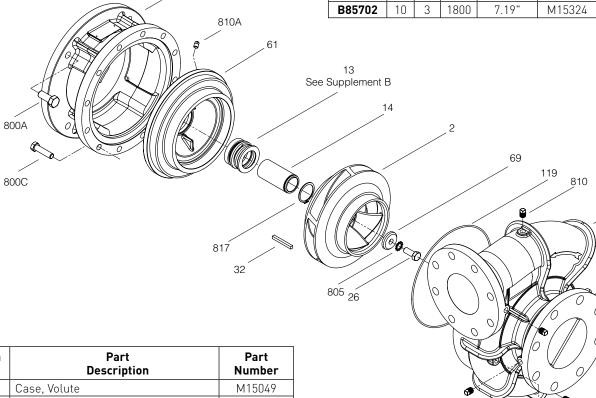
71

#### ELECTRIC MOTOR DRIVE

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	Supersedes 03/01/12

#### Table I

B/M No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B86082	30	3	1800	9.50"	M15052
B85696	25	3	1800	9.50"	M15052
B85698	20	3	1800	8.88"	M15322
B85700	15	3	1800	8.19"	M15323
B85702	10	3	1800	7.19"	M15324



Item No.	Part Description	Part Number
1	Case, Volute	M15049
2	Impeller	See Table I
13	Seal, Shaft	S32015
14	Sleeve, Shaft (Note 2)	B85741
26	Screw, Impeller	S23621
32	Key, Impeller	S23677
61	Plate, Seal	M15046
69	Washer, Impeller	S06319
71	Bracket	See Table II
119	0-Ring	M15099
800A	Screw, 1/2-13NC X 1-1/2 LG CRS [4 rqd]	S26916
800C	Screw, 1/2-13NC X 2 LG CRS (12 rqd)	S26920
805	Washer, Lock	S23038
810	Plug, Pipe	S23715
810A	Plug, Pipe	U78-56ZPS
817	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	M15045	12.50"	1-1/4"	286JP
25	3	M15045	12.50"	1-1/4"	284JP
20	3	M15044	8.50"	1-1/4"	256JP
15	3	M15044	8.50"	1-1/4"	254JP
10	3	M15044	8.50"	1-1/4"	215JP

**NOTE 1:** Impeller kit **B85754** includes items 26, 32, 69, 119, 805.

**NOTE 2:** Shaft sleeve kit **B85741** includes item 14, adhesive and instruction sheet.



## **BERKELEY®** B5EPH Cast Iron Impeller

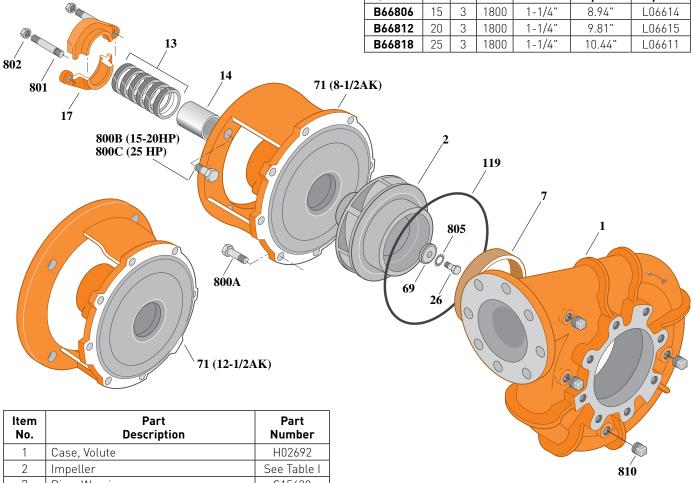
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B66806	15	3	1800	1-1/4"	8.94"	L06614
B66812	20	3	1800	1-1/4"	9.81"	L06615
B66818	25	3	1800	1-1/4"	10.44"	L06611



Item No.	Part Description	Part Number
1	Case, Volute	H02692
2	Impeller	See Table I
7	Ring, Wearing	S15630
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L03637	8-1/2"	1-1/4"	254JP
20	3	L03637	8-1/2"	1-1/4"	256JP
25	3	L03712	8-1/2"	1-1/4"	284JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

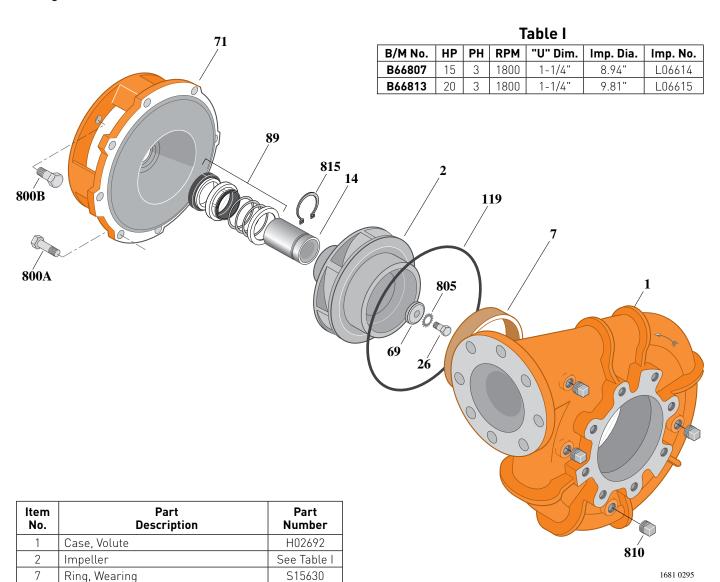


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Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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S18869

S23619

S23677

S06319

See Table II

S32015

S13760

S26914

S26912

S23038

S23717

S16767

## . . . . .

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04616	8-1/2"	1-1/4"	254JM
20	3	L04616	8-1/2"	1-1/4"	256JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



14

26

32

69

71

89

119

800A

800B

805

810

815

Sleeve, Shaft

Bracket

Washer, Impeller

Washer, Lock

Ring, Retaining

Screw, Impeller 1/2 - 13 x 1"

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 1/2 - 13 x 1" (4 Req.)

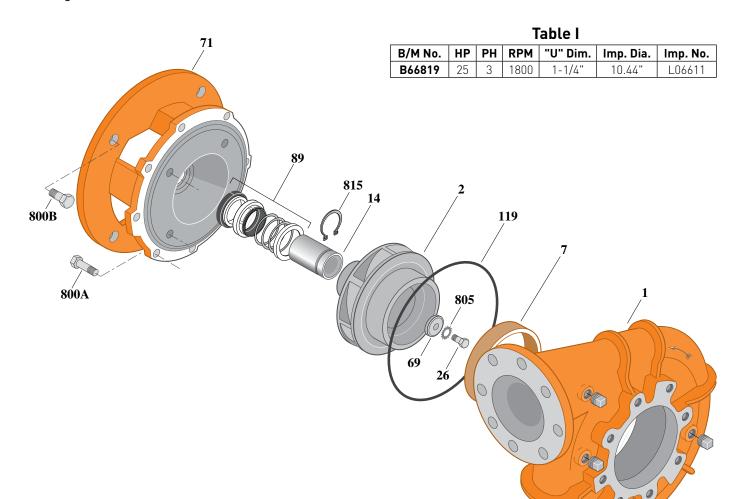
Plug, Pipe 1/2 NPT (4 Reg.)

Seal, Mechanical Shaft

Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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Item No.	Part Description	Part Number
1	Case, Volute	H02692
2	Impeller	See Table I
7	Ring, Wearing	S15630
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
89	Seal, Mechanical Shaft	S32015
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L05396	12-1/2"	1-1/4"	284JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



810

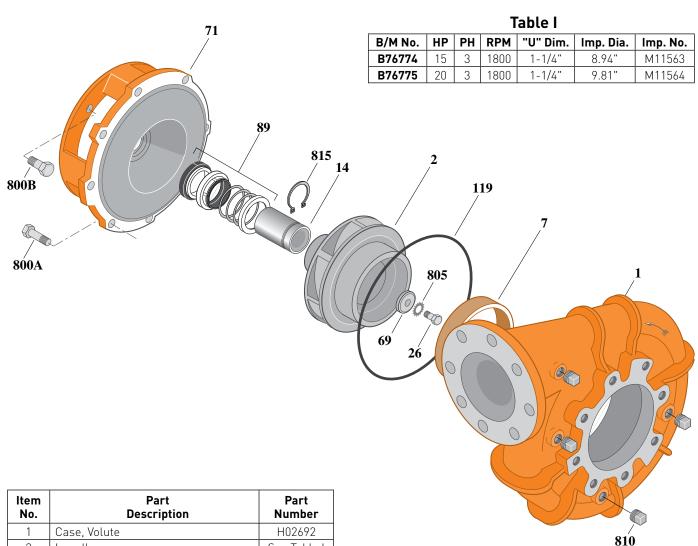
1682 0295

## **BERKELEY**® B5EPHS Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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S23038

S23717

S16767

1681 0295

#### Impeller See Table I S15630 Ring, Wearing 14 Sleeve, Shaft S18869 26 Screw, Impeller 1/2 - 13 x 1" S23619 Key, 1/4 x 2-1/4" (See Note) S23677 32 69 Washer, Impeller S06319 71 Bracket See Table II 89 Seal, Mechanical Shaft S32015 119 S13760 800A Capscrew, 1/2 - 13 x 1-1/4" (8 Req.) S26914 800B Capscrew, 1/2 - 13 x 1" (4 Req.) S26912

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04616	8-1/2"	1-1/4"	254JM
20	3	L04616	8-1/2"	1-1/4"	256JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



805

810

815

Washer, Lock

Ring, Retaining

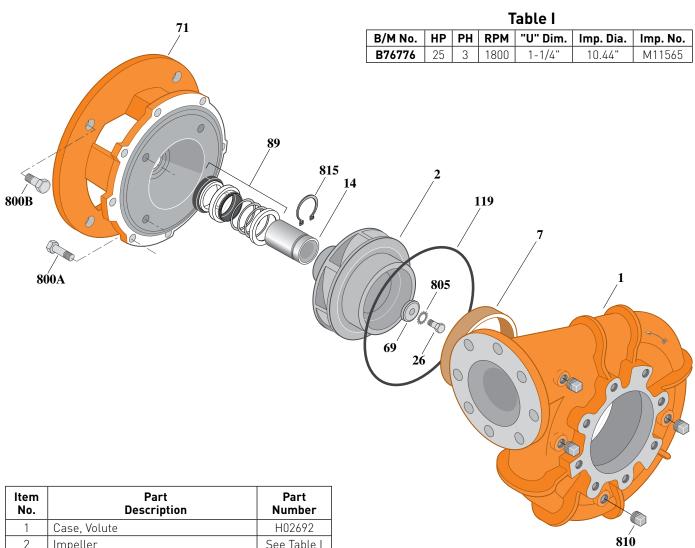
Plug, Pipe 1/2 NPT (4 Req.)

# **BERKELEY**® B5EPHS Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 01/01/04



Item No.	Part Description	Part Number
1	Case, Volute	H02692
2	Impeller	See Table I
7	Ring, Wearing	S15630
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1"	S23619
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
89	Seal, Mechanical Shaft	S32015
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	L05396	12-1/2"	1-1/4"	284JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



1682 0295

## **BERKELEY**® B5EPBM Bronze Impeller

13 See Supplement B

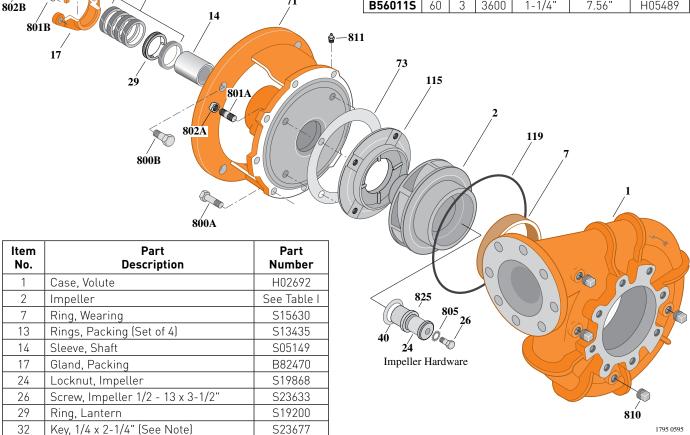
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56011	60	3	3600	1-1/4"	7.56"	L06119
B56011S	60	3	3600	1-1/4"	7.56"	H05489



S19864

See Table II

S09943

S12334

S13760

S26914

S26999

S23994

S04438

S23013

S23343

S23038

S23717

S23700

S25421

S19865

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	L03497	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



40

71

73

115

119

A008

800B 801A

801B

802A

802B

805 810

811

812

Deflector

Ring, Balance

Washer, Lock

Fitting, Grease

Elbow, Street

Gasket, Balance Ring

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/4" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

Nut, Hex 3/8 - 16 (2 Reg.)

Plug, Pipe 1/2 NPT (4 Req.)

Sleeve, Impeller Locknut

Bracket

0-Ring

## **BERKELEY**® B5EPBM Bronze Impeller

13 See Supplement B

800B

802A

801A

115

Flanged Case, Packing Construction

802B

801B

#### FLECTRIC MOTOR DRIVE

Section	CC
Page	320.2
Date	March 4, 2013
	Supersedes 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55984	75	3	3600	1-5/8"	8.06"	L06120
B55984S	75	3	3600	1-5/8"	8.06"	H05490
B55985	100	3	3600	1-5/8"	8.01"	L06121
B55985S	100	3	3600	1-5/8"	8.01"	H05491



S23013

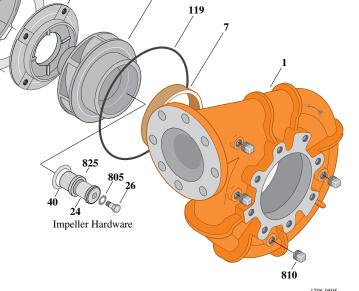
S23343

S23038

S23717

S23700

S19865



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L05610	12-1/2"	1-5/8"	364JP
100	3	L05610	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



802A

802B

805

810

811

Nut, Hex 3/8 - 16 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

Sleeve, Impeller Locknut

Washer, Lock

Fitting, Grease

# **BERKELEY**® B5EPBM Bronze Impeller

See Supplement B

801A

S23995

S04438

S23103

S23343

S23717

S23700

S19865

Flanged Case, Packing Construction

802B

801B

### ELECTRIC MOTOR DRIVE

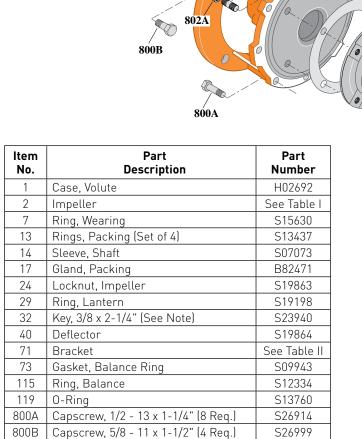
Section		CC
Page		320.3
Date		March 4, 2013
	Supersed	es 01/01/04

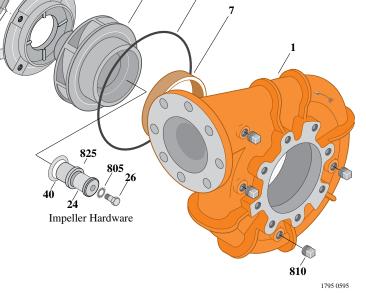
#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55986	125	3	3600	1-5/8"	9.38"	L06122
B55986S	125	3	3600	1-5/8"	9.38"	H05492
B55987	150	3	3600	1-5/8"	9.88"	L06123
B55987S	150	3	3600	1-5/8"	9.88"	H05493

-811

115





#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L05610	12-1/2"	1-5/8"	404TC
150	3	L05610	12-1/2"	1-5/8"	405TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



801A

801B

802A 802B

810

811

Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Sleeve, Impeller Locknut

Fitting, Grease

Plug, Pipe 1/2 NPT (4 Reg.)

# BERKELEY® B5EPBMS

# Bronze Impeller

800B

Flanged Case, Mechanical Shaft Seal Construction

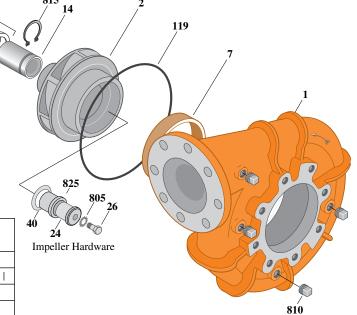
115

## ELECTRIC MOTOR DRIVE

Section		CC
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Date		March 4, 2013
	Supersedes	: 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56016	60	3	3600	1-1/4"	7.56"	L06119
B56016S	60	3	3600	1-1/4"	7.56"	H05489



Item No.	Part Description	Part Number
1	Case, Volute	H02692
2	Impeller	See Table I
7	Ring, Wearing	S15630
14	Sleeve, Shaft	S18869
24	Locknut, Impeller	S19868
26	Screw, Impeller 1/2 - 13 x 3-1/2"	S23633
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S19864
71	Bracket	See Table II
73	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19109
119	0-Ring	S13760
800A	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 1-1/2" (4 Req.)	S23995
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767
825	Sleeve, Impeller	S19865

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	L04628	12-1/2"	1-1/4"	326JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



## **BERKELEY**® B5EPBMS

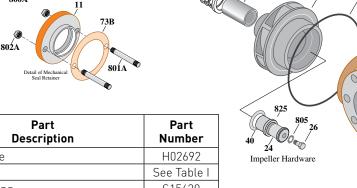
# Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

Section	CC
Page	320.5
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	Supersedes 07/01/11

#### Table I "U" Dim. B/M No. HP PH RPM Imp. Dia. Imp. No. B62093 75 1-5/8' L06120 3 3600 8.06' B62093S 75 1-5/8" H05490 3 3600 8.06' B62094 100 3 3600 1-5/8" 8.81 L06121 100 1-5/8" B62094S 3600 8.81' H05491



Item	Part	Part
No.	Description	Number
1	Case, Volute	H02692
2	Impeller	See Table I
7	Ring, Wearing	S15630
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073L
24	Locknut, Impeller	S19868
26	Screw, Impeller 1/2-13x3-1/2"	S23633
32	Key, 3/8-2-1/4" (See Note)	S23940
40	Deflector	S19864
71	Bracket	See Table II
73A	Gasket, Balance Ring	S09943
73B	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S12334
119	0-Ring	S13760
800A	Capscrew, 1/2-13x1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8-11x1-3/4" (4 Req.)	S27001
801A	Stud, 3/8-16x2-1/2" (2 Req.)	S04438
801B	Stud, 3/8-16x1-1/2" (4 Req.)	S23994
802A	Nut, Hex 3/8-16 (2 Req.)	S23343
802B	Nut, Hex 3/8-16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
820	Connector, Comp. Fitting (2 Req.)	S23013
822	Tubing, Copper	S20677
825	Sleeve, Impeller Locknut	S19865
•	Plug, Pipe 1/8 NPT (Not Illustrated)	S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L06315	12-1/2"	1-5/8"	364JP
100	3	L06315	12-1/2"	1-5/8"	365JP



## **BERKELEY**® B5EPBMS

# Bronze Impeller

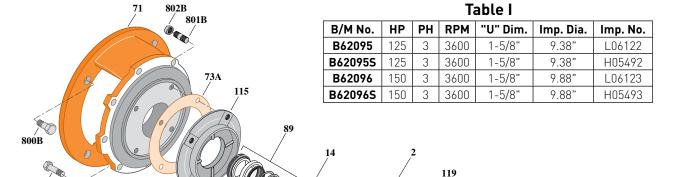
800A

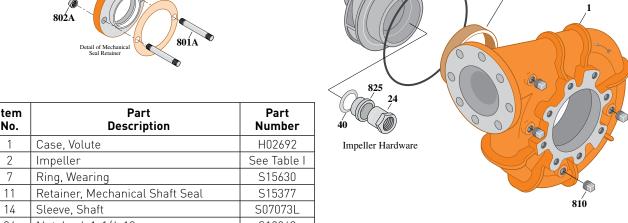
Flanged Case, Mechanical Shaft Seal Construction

73B

### FLECTRIC MOTOR DRIVE

Section		CC
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#### Item No. 24 Nut, Lock 1-1/4-12 S19863 32 Key, 3/8x2-1/4" (See Note) S23940 Deflector S19864 71 Bracket See Table II Gasket, Balance Ring S09943 73A Seal, Mechanical Shaft S32016 115 Ring, Balance S12334 119 0-Ring S13760 A008 Capscrew, 1/2-13x1-1/4" (8 Req.) S26914 Capscrew, 5/8-11x1-3/4" (4 Req.) S27001 800B 801A Stud, 3/8-16x2-1/2" (2 Req.) S04438 801B Stud, 3/8-16x1-1/4" (4 Req.) S23994 802A Nut, Hex 3/8-16 (2 Req.) S23343 802B Nut, Hex 3/8-16 (4 Req.) S23103 Plug, Pipe 1/2 NPT (4 Reg.) S23717 810 820 Connector, Comp. Fitting (2 Req.) S24013 822 Tubing, Copper S20677 825 Sleeve, Impeller Locknut S19865 Plug, Pipe 1/8 NPT (Not Illustrated) S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L06315	12-1/2"	1-5/8"	404TC
150	3	L06315	12-1/2"	1-5/8"	405TC



# **BERKELEY**® B5EPBM Silicon Bronze Impeller

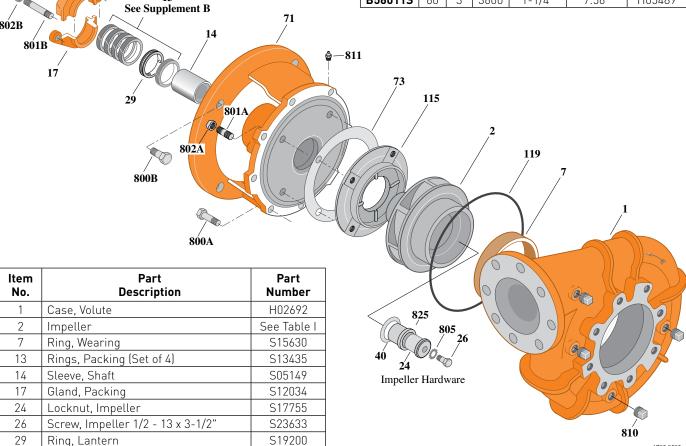
Flanged Case, Packing Construction

### ELECTRIC MOTOR DRIVE

Section	CC
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Date	March 4, 2013
	Supersedes 09/01/97

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56011S	60	3	3600	1-1/4"	7.56"	H05489



S23677

S19864

See Table II

S09943

S12334

S13760

S26914

S26999

S23994

S04438

S23013

S23343

S23038

S23717

S23700

S19865

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	L03497	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



32

40

71

73

115

119

A008

800B

801A

801B

802A

802B

805

810

811

Key, 1/4 x 2-1/4" (See Note)

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/4" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Sleeve, Impeller Locknut

Plug, Pipe 1/2" NPT (4 Reg.)

Gasket, Balance Ring

Deflector

Ring, Balance

Washer, Lock

Fitting, Grease

Bracket

0-Ring

# **BERKELEY**® B5EPBM Silicon Bronze Impeller

See Supplement B

800B

**Description** 

800A

See Table II

S09943

S12334

S13760

S26914

S26999

S23995

S04438

S23013

S23343

S23038

S23717

S23700

S19865

Flanged Case, Packing Construction

802B

Item

No.

13

14

17

24

26

32

40

71

73

115

119

A008

800B

801A

801B

802A

802B

805

810

811

Case, Volute

Ring, Wearing

Sleeve, Shaft

Gland, Packing

Ring, Lantern

Ring, Balance

Washer, Lock

Fitting, Grease

Deflector

Bracket

0-Ring

Locknut, Impeller

Rings, Packing (Set of 4)

Key, 3/8 x 2" (See Note)

Gasket, Balance Ring

Screw, Impeller 1/2 - 13 x 3-1/2'

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Sleeve, Impeller Locknut

Plug, Pipe 1/2" NPT (4 Reg.)

Impeller

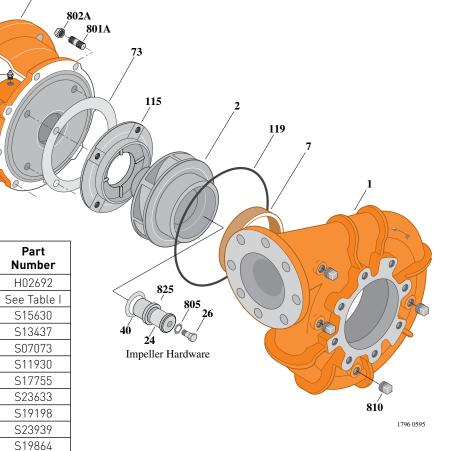
801B

### ELECTRIC MOTOR DRIVE

Section		CC
Page		320.8
Date		March 4, 2013
	Superse	edes 9/01/97

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55984S	75	3	3600	1-5/8"	8.06"	H05490
B55985S	100	3	3600	1-5/8"	8.01"	H05491



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L05610	12-1/2"	1-5/8"	364JP
100	3	L05610	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



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# **BERKELEY**® B5EPBM Silicon Bronze Impeller

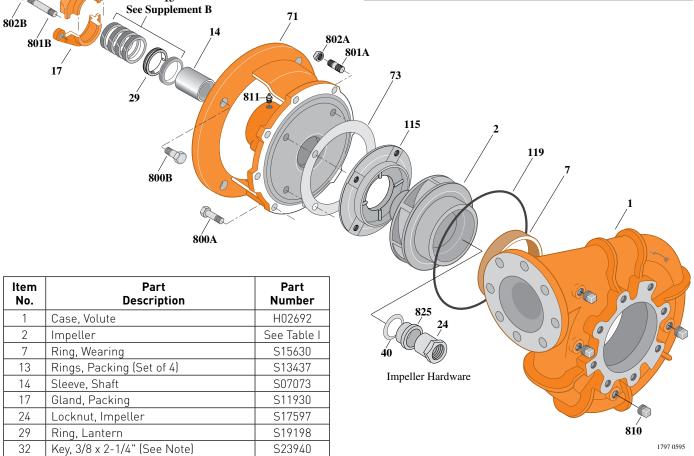
Flanged Case, Packing Construction

### FLECTRIC MOTOR DRIVE

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Date	March 4, 2013
	Supersedes 09/01/97

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55986S	125	3	3600	1-5/8"	9.38"	H05492
B55987S	150	3	3600	1-5/8"	9.88"	H05493



S23940

S19864

See Table II

S09943

S12334

S13760

S26914

S26999

S23995

S04438

S23103

S23343

S23717

S23700

S19865

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L05610	12-1/2"	1-5/8"	404TC
150	3	L05610	12-1/2"	1-5/8"	405TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



32 40

71

73

115

119

800A

800B

801A

801B

802A 802B

810

811

Deflector

Ring, Balance

Fitting, Grease

Gasket, Balance Ring

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" [4 Req.]

Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Sleeve, Impeller Locknut

Plug, Pipe 1/2" NPT (4 Reg.)

Bracket

0-Ring

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# **BERKELEY**® B5EPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section		CC
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	Superse	des 09/01/97

#### Table I RPM "U" Dim. B/M No. HP PΗ Imp. Dia. Imp. No. B62093S 75 3600 1-5/8' H05490 8.06' B62094S 100 3 1-5/8" 3600 8.81 H05491 800B

	Detail of Mechanical Seal Retainer		825
Item No.	Part Description	Part Number	805 26
1	Case, Volute	H02692	Impeller Hardware
2	Impeller	See Table I	
7	Ring, Wearing	S15630	
11	Retainer, Mechanical Shaft Seal	S15377	810
14	Sleeve, Shaft	S07073	

Item No.	Part Description	Part Number
1	Case, Volute	H02692
2	Impeller	See Table I
7	Ring, Wearing	S15630
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
24	Locknut, Impeller	S17755
26	Screw, Impeller 1/2-13x3-1/2"	S23633
32	Key, 3/8-2" (See Note)	S23939
40	Deflector	S19864
71	Bracket	See Table II
73A	Gasket, Balance Ring	S09943
73B	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S12334
119	0-Ring	S13760
800A	Capscrew, 1/2-13x1-1/4" (8 Req.)	S26914
800B	Capscrew, 5/8-11x1-3/4" (4 Req.)	S27001
801A	Stud, 3/8-16x2-1/2" (2 Req.)	S04438
801B	Stud, 3/8-16x1-1/2" (4 Req.)	S23995
802A	Nut, Hex 3/8-16 (2 Req.)	S23343
802B	Nut, Hex 3/8-16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (4 Req.)	S23717
825	Sleeve, Impeller Locknut	S19865
•	Plug, Pipe 1/8" NPT (In Bracket)	S23714

Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	L06315	12-1/2"	1-5/8"	364JP
100	3	L06315	12-1/2"	1-5/8"	365JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.

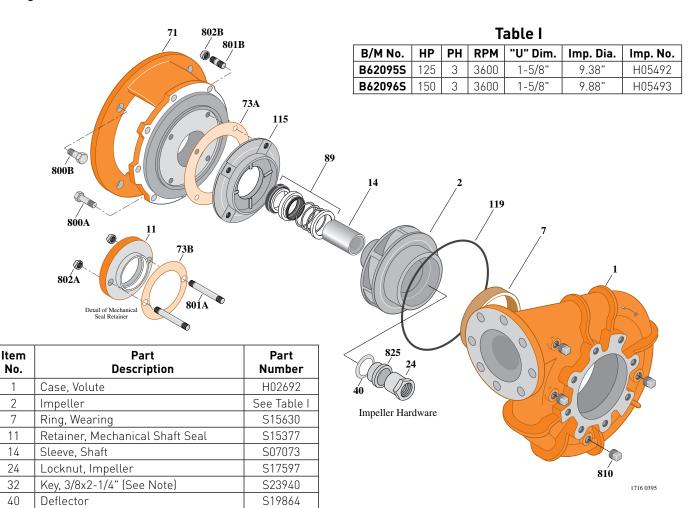


# **BERKELEY**® B5EPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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See Table II S09943

S15078

S32016

S12334

S13760

S26914

S27001

S04438

S23995

S23343

S23103

S23717

S19865

S23714

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
125	3	L06315	12-1/2"	1-5/8"	404TC
150	3	L06315	12-1/2"	1-5/8"	405TC

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



No.

7

11

14

32

40

71

73A

73B 89

115

119

A008

800B

801B 802A

802B

810

825

Bracket

0-Ring

Gasket, Balance Ring Gasket, Seal Retainer

Seal, Mechanical Shaft

Capscrew, 1/2-13x1-1/4" (8 Req.)

Capscrew, 5/8-11x1-3/4" (4 Req.)

Stud, 3/8-16x2-1/2" (2 Req.)

Stud, 3/8-16x1-1/2" (4 Req.)

Plug, Pipe 1/2" NPT (4 Req.)

Plug, Pipe 1/8" NPT (In Bracket)

Nut, Hex 3/8-16 (2 Req.)

Nut, Hex 3/8-16 (4 Req.)

Sleeve, Impeller Locknut

Ring, Balance

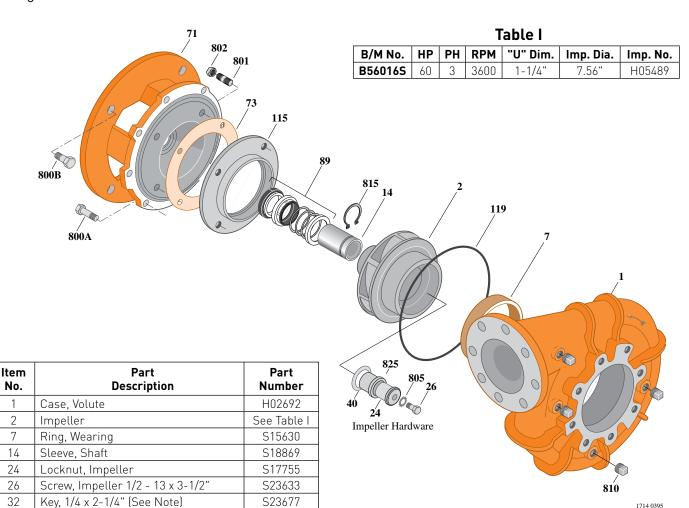


# **BERKELEY**® B5EPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section		CC	
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S19864

See Table II

S09943

S32015

S19109

S13760

S26914 S26999

S23995

S23103

S23038

S23717 S16767

S19865

S23714

	Table II						
ŀΡ	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame		
50	3	L04628	12-1/2"	1-1/4"	326JM		

NOTE 1: For an explanation of the tabulated material found on

this page and for impeller key location, refer to Supplement A

NOTE 2: For seal flush line details, see Supplement D.

• Not illustrated.

40

71

73 89

115

119

800A

800B

802

805

810

815

825

Deflector

Ring, Balance

Washer, Lock

Ring, Retaining Sleeve, Impeller

Gasket, Balance Ring

Nut, 3/8 - 16 (4 Req.)

Plug, Pipe 1/2" NPT (4 Req.)

Plug, Pipe 1/8" NPT (In Bracket)

Seal, Mechanical Shaft

Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.) Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Bracket

0-Ring



located at the beginning of this section.

# **BERKELEY**® B5WP Bronze Impeller

Flanged Case, Packing Construction

800A

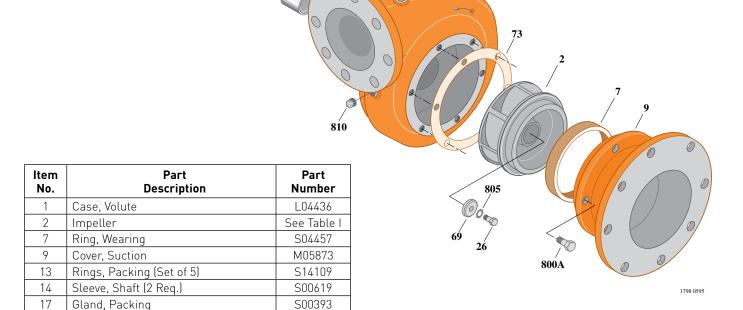
13

### FLECTRIC MOTOR DRIVE

Section		CC	
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51920	5	1	1800	7/8"	6.00"	M08167
B51922	5	3	1800	7/8"	6.00"	M08167
B51921	7.5	1	1800	7/8"	6.75"	M08168
B51923	7.5	3	1800	7/8"	6.75"	M08168
B51924	10	3	1800	7/8"	7.00"	M00445



S23566

S34383

S06314

See Table II

S01559

S26826

S26914

S04440

S23343

S23036

S23715

S23717

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	M00631	8-1/2"	7/8"	213TC
5	3	M00631	8-1/2"	7/8"	184TC
7.5	1	M00631	8-1/2"	7/8"	215TC
7.5	3	M00631	8-1/2"	7/8"	213TC
10	3	M00631	8-1/2"	7/8"	215TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



26

32

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71

73

800A

800B

801

802

805

810A

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (10 Req.)

Stud, 3/8 - 16 x 3-1/4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Req.)

Capscrew, 1/2 - 13 x 1-1/4" (4 Req.)

Plug, Pipe 1/2 NPT (Not Illustrated)

Washer, Impeller

Washer, Lock

(On Suction Cover)

Gasket, Suction Cover

Bracket

# BERKELEY® B5WPS

800A

# Bronze Impeller

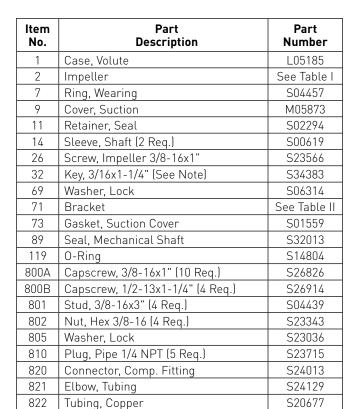
Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section	CC		
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Supersedes 06/01/95			

#### Table I

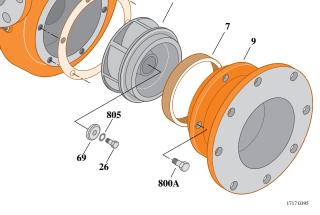
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B62577	5	1	1800	7/8"	6.00"	M08167
B68315	5	3	1800	7/8"	6.00"	M08167
B62579	7.5	1	1800	7/8"	6.75"	M08168
B62580	7.5	3	1800	7/8"	6.75"	M08168
B68316	10	1	1800	7/8"	7.00"	M00445
B62581	10	3	1800	7/8"	7.00"	M00445



Plug, Pipe 1/2 NPT (On Suction

Cover) (Not Illustrated)

S23717



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	M00631	8-1/2"	7/8"	213TC
5	3	M00631	8-1/2"	7/8"	184TC
7.5	1	M00631	8-1/2"	7/8"	215TC
7.5	3	M00631	8-1/2"	7/8"	213TC
10	1	M00631	8-1/2"	7/8"	215TC
10	3	M00631	8-1/2"	7/8"	215TC



# **BERKELEY**® B5WP Silicon Bronze Impeller

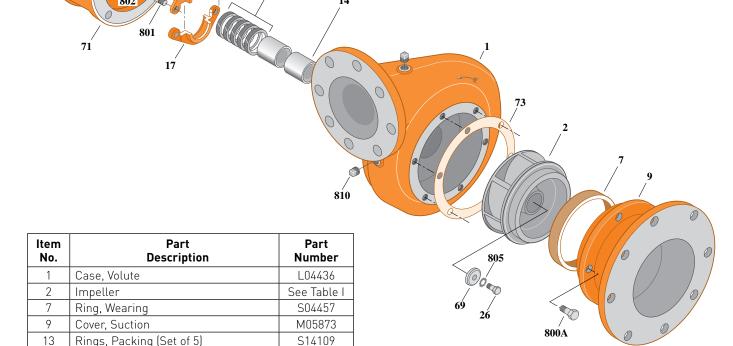
Flanged Case, Packing Construction

### FLECTRIC MOTOR DRIVE

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Supersedes 09/01/95			

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51920S	5	1	1800	7/8"	6.00"	H05497
B51922S	5	3	1800	7/8"	6.00"	H05497
B51921S	7.5	1	1800	7/8"	6.75"	H05498
B51923S	7.5	3	1800	7/8"	6.75"	H05498
B51924S	10	3	1800	7/8"	7.00"	H05499



S00619

S00393

S23566

S34383

S06314

See Table II

S01559

S26826

S26914

S04440

S23343

S23036

S23715

S23717

13

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	M00631	8-1/2"	7/8"	213TC
5	3	M00631	8-1/2"	7/8"	184TC
7.5	1	M00631	8-1/2"	7/8"	215TC
7.5	3	M00631	8-1/2"	7/8"	213TC
10	3	M00631	8-1/2"	7/8"	215TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



13

14 17

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800A

800B

802

805

810A

Sleeve, Shaft (2 Req.)

Screw, Impeller 3/8 - 16 x 1"

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (10 Req.)

Stud, 3/8 - 16 x 3-1/4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/4 NPT (4 Req.)

Capscrew, 1/2 - 13 x 1-1/4" (4 Req.)

Plug, Pipe 1/2 NPT (Not Illustrated)

Gland, Packing

Washer, Impeller

Washer, Lock

(On Suction Cover)

Gasket, Suction Cover

Bracket

# **BERKELEY**® B5WPS Silicon Bronze Impeller

800A

801

Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section		CC
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B62577S	5	1	1800	7/8"	6.00"	H05497
B68315S	5	3	1800	7/8"	6.00"	H05497
B62579S	7.5	1	1800	7/8"	6.75"	H05498
B62580S	7.5	3	1800	7/8"	6.75"	H05498
B68316S	10	1	1800	7/8"	7.00"	H05499
B62581S	10	3	1800	7/8"	7.00"	H05499

		810
Item No.	Part Description	Part Number
1	Case, Volute	L05185
2	Impeller	See Table I
7	Ring, Wearing	S04457
9	Cover, Suction	M05873
11	Retainer, Seal	S02294
14	Sleeve, Shaft (2 Req.)	S00619
26	Screw, Impeller 3/8-16x1"	S23566
32	Key, 3/16x1-1/4" (See Note)	S34383

S06314

See Table II

S01559 S32013

S14804

S26826

S26914

S04439

S23343

S23036

S23715

S24013

S24129

S20677

S23717

119

<b>T</b> -	- I	-	
12	n	0	

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	M00631	8-1/2"	7/8"	213TC
5	3	M00631	8-1/2"	7/8"	184TC
7.5	1	M00631	8-1/2"	7/8"	215TC
7.5	3	M00631	8-1/2"	7/8"	213TC
10	1	M00631	8-1/2"	7/8"	215TC
10	3	M00631	8-1/2"	7/8"	215TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



69

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89

119

800A

800B

801

802

805

810

820

821

822

Washer, Lock

Washer, Lock

Elbow, Tubing

Tubing, Copper

Gasket, Suction Cover

Seal, Mechanical Shaft

Stud, 3/8-16x3" (4 Req.)

Nut, Hex 3/8-16 (4 Req.)

Plug, Pipe 1/4 NPT (5 Req.)

Plug, Pipe 1/2 NPT (On Suction

Connector, Comp. Fitting

Cover) (Not Illustrated)

Capscrew, 3/8-16x1" (10 Req.)

Capscrew, 1/2-13x1-1/4" (4 Req.)

Bracket

0-Ring

# **BERKELEY**® B5WP Silicon Bronze Impeller

Flanged Case, Packing Construction

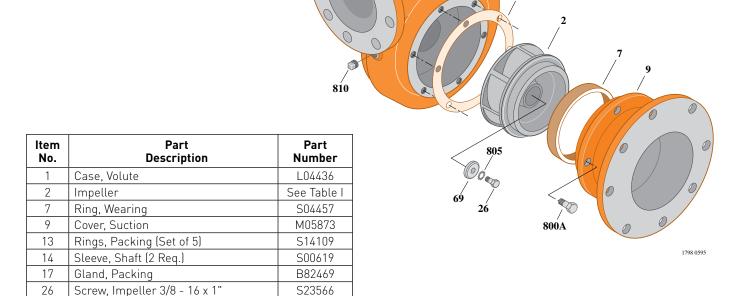
800A

### ELECTRIC MOTOR DRIVE

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Supersedes 01/01/04			

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51920S	5	1	1800	7/8"	6.00"	H05497
B51922S	5	3	1800	7/8"	6.00"	H05497
B51921S	7.5	1	1800	7/8"	6.75"	H05498
B51923S	7.5	3	1800	7/8"	6.75"	H05498
B51924S	10	3	1800	7/8"	7.00"	H05499



S34383

S06314

See Table II

S01559

S26826

S26914

S04440

S23343

S23036

S23715

S23717

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	M00631	8-1/2"	7/8"	213TC
5	3	M00631	8-1/2"	7/8"	184TC
7.5	1	M00631	8-1/2"	7/8"	215TC
7.5	3	M00631	8-1/2"	7/8"	213TC
10	3	M00631	8-1/2"	7/8"	215TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

• Not illustrated.

32

69

71

73

800B

801

802

805

810

Key, 3/16 x 1-1/4" (See Note)

Capscrew, 3/8 - 16 x 1" (10 Req.)

Stud, 3/8 - 16 x 3-1/4" (2 Req.)

Nut, Hex 3/8 - 16 (2 Reg.)

Plug, Pipe 1/4" NPT (4 Req.)

Capscrew, 1/2 - 13 x 1-1/4" (4 Req.)

Plug, Pipe 1/2" NPT (Suction Cover)

Washer, Impeller

Washer, Lock

Gasket, Suction Cover

Bracket



# **BERKELEY**® B5WPS Silicon Bronze Impeller

800A

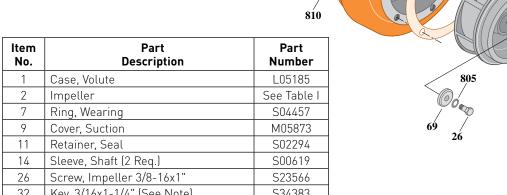
Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 01/01/04

## Table I B/M No. | HP | PH | RPM | "U" Dir

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B62577S	5	1	1800	7/8"	6.00"	H05497
B68315S	5	3	1800	7/8"	6.00"	H05497
B62579S	7.5	1	1800	7/8"	6.75"	H05498
B62580S	7.5	3	1800	7/8"	6.75"	H05498
B68316S	10	1	1800	7/8"	7.00"	H05499
B62581S	10	3	1800	7/8"	7.00"	H05499



_	in potto.	CCC TUBIC .
7	Ring, Wearing	S04457
9	Cover, Suction	M05873
11	Retainer, Seal	S02294
14	Sleeve, Shaft (2 Req.)	S00619
26	Screw, Impeller 3/8-16x1"	S23566
32	Key, 3/16x1-1/4" (See Note)	S34383
69	Washer, Lock	S06314
71	Bracket	See Table II
73	Gasket, Suction Cover	S01559
89	Seal, Mechanical Shaft	S32013
119	0-Ring	S14804
800A	Capscrew, 3/8-16x1" (10 Req.)	S26826
800B	Capscrew, 1/2-13x1-1/4" (4 Req.)	S26914
801	Stud, 3/8-16x3" (4 Req.)	S04439
802	Nut, Hex 3/8-16 (4 Req.)	S23343
805	Washer, Lock	S23036
810	Plug, Pipe 1/4" NPT (4 Req.)	S23715
•	Plug, Pipe 1/2" NPT (Suction Cover)	S23717
•	Plug, Pipe 1/8" NPT (Volute)	S23714

<sup>•</sup> Not illustrated.

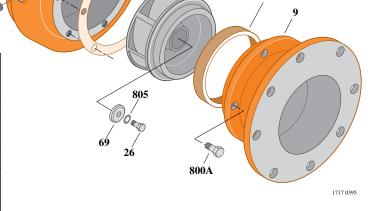


Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	M00631	8-1/2"	7/8"	213TC
5	3	M00631	8-1/2"	7/8"	184TC
7.5	1	M00631	8-1/2"	7/8"	215TC
7.5	3	M00631	8-1/2"	7/8"	213TC
10	1	M00631	8-1/2"	7/8"	215TC
10	3	M00631	8-1/2"	7/8"	215TC

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



# **BERKELEY**® B5EXPBH Cast Iron Impeller

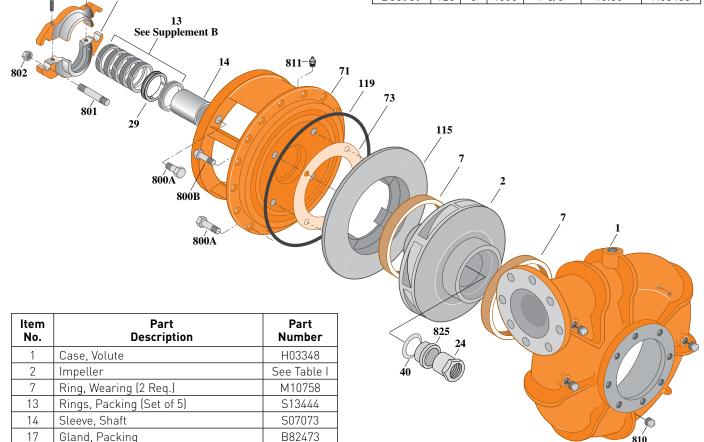
Flanged Case, Packing Construction

### ELECTRIC MOTOR DRIVE

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	Supersedes 01/01/04

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55988	100	3	1800	1-5/8"	14.38"	H03901
B55989	125	3	1800	1-5/8"	15.50"	H03433



S19198

S23940

S19864

See Table II

S09943

M06728

S14444

S26825

S27001

S08305

S23347

S19863

S23717

S23700

S19865

1785 0495

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03684	12-1/2"	1-5/8"	404TC
125	3	H03684	12-1/2"	1-5/8"	405TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



29

32

40

71

73

115

119

800A

800B

802A

802B

810

811

Ring, Lantern

Ring, Balance

Deflector

Bracket

0-Ring

Key, 3/8 x 2-1/4" (See Note)

Capscrew, 3/8 - 16 x 7/8" (4 Req.)

Stud, 1/2 - 13 x 3-3/4" (2 Reg.)

Plug, Pipe 1/2 NPT (4 Reg.)

Sleeve, Impeller Locknut

Nut, Hex 1/2 - 13 x 7/16" (2 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (20 Req.)

Gasket, Balance Ring

Nut, Lock 1-1/4 - 12

Fitting, Grease

# **BERKELEY**® B6ZPBHH Cast Iron Impeller

Flanged Case, Packing Construction

17

13 See Supplement B

801

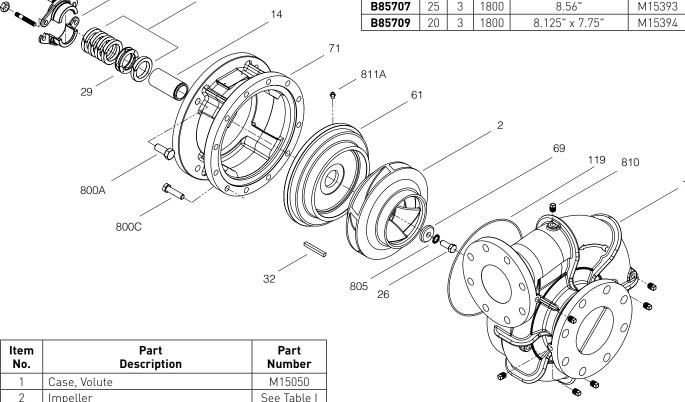
802

### ELECTRIC MOTOR DRIVE

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B/M No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B85703	40	3	1800	9.63"	M15053
B85705	30	3	1800	9.13"	M15392
B85707	25	3	1800	8.56"	M15393
B85709	20	3	1800	8.125" x 7.75"	M15394



Item No.	Part Description	Part Number
1	Case, Volute	M15050
2	Impeller	See Table I
13	Ring, Packing (Set of 4)	S13435
14	Sleeve, Shaft (Note 2)	B85741
17	Gland, Packing	B82740
26	Screw, Impeller	S23621
29	Ring, Lantern	S19200
32	Key, 1/4" x 2-1/4"	S23677
61	Plate, Seal	M15047
69	Washer, Impeller	S06319
71	Bracket	See Table II
119	0-Ring	M15099
800A	Screw, 1/2-13NC x 1-1/2" LG CRS (4 rqd)	S26916
800C	Screw, 1/2-13NC x 2" LG CRS (12 rqd)	S26920
801	Stud, 3/8-16NC x 2-1/2" LG 416SS (2 rqd)	S04438
802	Nut, Hex, Lock 3/8-16 SS (2 rqd)	M13771
805	Washer, Lock	S23038
810	Plug, Pipe	S23715
811A	Fitting, Grease	S23700

#### Table II

6230 0710

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	M15045	12.50"	1-1/4"	324JP
30	3	M15050	12.50"	1-1/4"	286JP
25	3	M15050	12.50"	1-1/4"	284JP
20	3	M15044	8.50"	1-1/4"	256JP

**NOTE 1:** Impeller kit **B85754** includes items 26, 32, 69, 119, 805.

**NOTE 2:** Shaft sleeve kit **B85741** includes item 14, adhesive and instruction sheet.



# BERKELEY® B6ZPBHHS Cast Iron Impeller

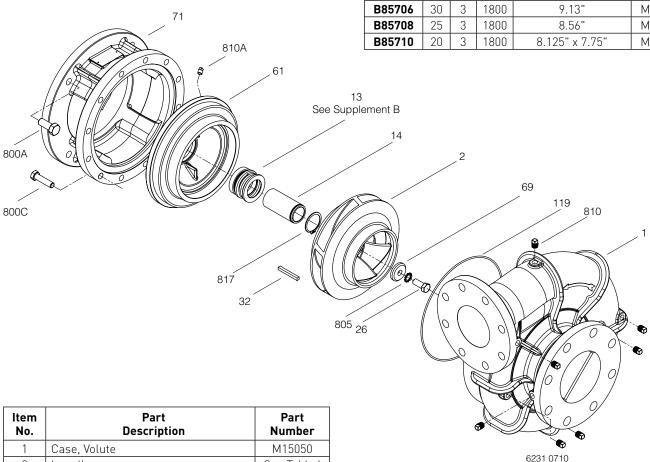
Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B85704	40	3	1800	9.63"	M15053
B85706	30	3	1800	9.13"	M15392
B85708	25	3	1800	8.56"	M15393
B85710	20	3	1800	8.125" x 7.75"	M15394



Item No.	Part Description	Part Number
1	Case, Volute	M15050
2	Impeller	See Table I
13	Seal, Shaft	S32015
14	Sleeve, Shaft (Note 2)	B85741
26	Screw, Impeller	S23621
32	Key, Impeller	S23677
61	Plate, Seal	M15046
69	Washer, Impeller	S06319
71	Bracket	See Table II
119	0-Ring	M15099
800A	Screw, 1/2-13NC x 1-1/2 LG CRS (4 rqd)	S26916
800C	Screw, 1/2-13NC x 2 LG CRS (12 rqd)	S26920
805	Washer, Lock	S23038
810	Plug, Pipe	S23715
810A	Plug, Pipe	U78-56ZPS
817	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	M15045	12.50"	1-1/4"	324JP
30	3	M15045	12.50"	1-1/4"	286JP
25	3	M15045	12.50"	1-1/4"	284JP
20	3	M15044	8.50"	1-1/4"	256JP

NOTE 1: Impeller kit B85754 includes items 26, 32, 69, 119,

NOTE 2: Shaft sleeve kit B85741 includes item 14, adhesive and instruction sheet.



# **BERKELEY**® B6ZPL Cast Iron Impeller

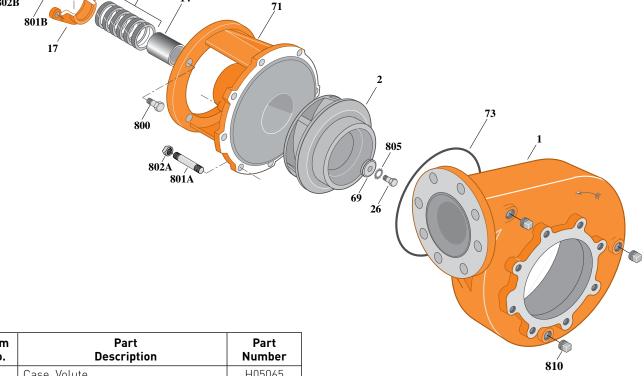
Flanged Case, Packing Construction

### FLECTRIC MOTOR DRIVE

Section	CC
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B69509	10	1	1800	1-1/4"	6.12"x8.25"	M07718
B69512	10	3	1800	1-1/4"	6.12"x8.25"	M07718
B69548	15	3	1800	1-1/4"	7.56"x8.56"	M07719
B69542	20	3	1800	1-1/4"	8.00"x9.00"	M04348



Item No. Case, Volute H05065 2 Impeller See Table I Rings, Packing (Set of 6) S13470 13 14 Sleeve, Shaft S05149L 17 Gland, Packing B82470 26 Screw, Impeller 1/2 - 13 x 3" S23631 Key, 1/4 x 2-1/4" (See Note 1) 32 S23677 Washer, Impeller 69 S06319 71 Bracket See Table II 73 O-Ring (See Note 2) M14943 Capscrew,  $1/2 - 13 \times 1 - 1/2$ " (4 Req.) 800 S26916 Stud, 3/8 - 16 x 1-3/8" (8 Req.) S09942 Stud, 3/8 - 16 x 4" (2 Req.) S08303 801B 802A Nut, Hex 3/8 - 16 (8 Req.) S23103 Nut, Hex 3/8 - 16 (2 Req.) 802B S23343 Washer, Lock S23038 805 Plug, Pipe 1/2 NPT (3 Req.) S23717

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L03827	8-1/2"	1-1/4"	215JP
10	3	L03827	8-1/2"	1-1/4"	215JP
15	3	L03827	8-1/2"	1-1/4"	254JP
20	3	L03827	8-1/2"	1-1/4"	256JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B6ZPLS Cast Iron Impeller

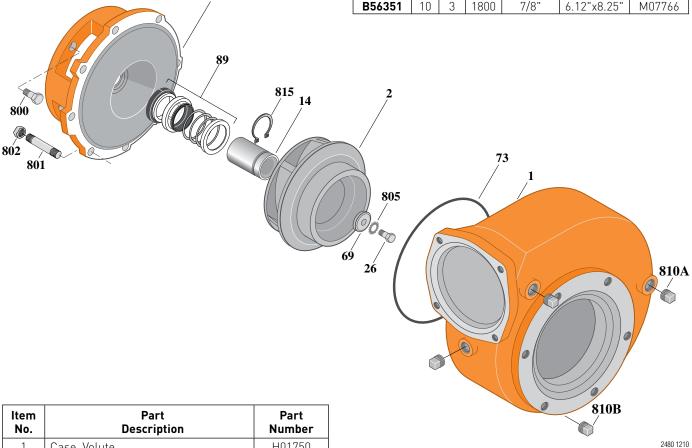
ELECTRIC MOTOR DRIVE

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Special Flanged Case, Mechanical Shaft Seal Construction

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56350	10	1	1800	7/8"	6.12"x8.25"	M07766
B56351	10	3	1800	7/8"	6.12"x8.25"	M07766



Item No.	Part Description	Part Number
1	Case, Volute	H01750
2	Impeller	See Table I
14	Sleeve, Shaft	S19310L
26	Screw, Impeller 3/8 - 16 x 2"	S23574
32	Key, 3/16 x 1-1/4" (See Note 1)	S34383
69	Washer, Impeller	S06314
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32014
800	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 3/8 - 16 x 1-3/8" (8 Req.)	S23994
802	Nut, 3/8 -16 (8 Req.)	S23103
805	Washer, Lock	S23036
810A	Plug, Pipe 1/2 NPT (3 Req.)	S23717
810B	Plug, Pipe 1/2 NPT Skt. Hd.	M11137
815	Ring, Retaining	S11207

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B6ZPLS Cast Iron Impeller

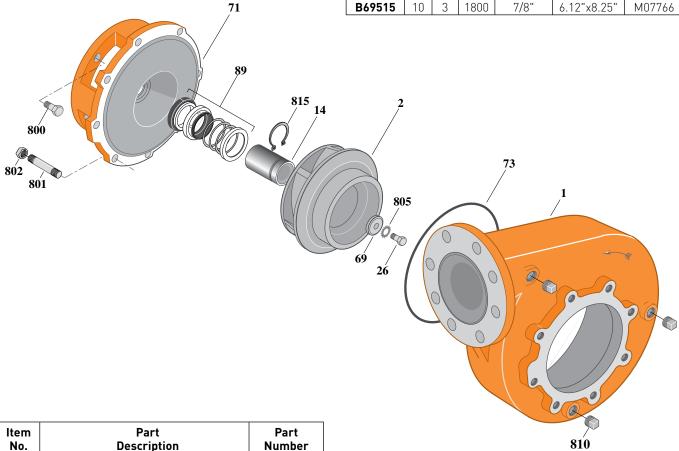
Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

Section	CC
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	Supersedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B69514	10	1	1800	7/8"	6.12"x8.25"	M07766
B69515	10	3	1800	7/8"	6.12"x8.25"	M07766



H05065

See Table I S19310L

S23574

S34383

S06314

See Table II

M14943 S32014

S26912

S09942

S23103

S23036

S23717

S11207

1601 1210

### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



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Case, Volute

Sleeve, Shaft

Washer, Impeller

O-Ring (See Note 2)

Nut, 3/8 -16 (8 Req.)

Washer, Lock

Ring, Retaining

Seal, Mechanical Shaft

Screw, Impeller 3/8 - 16 x 2"

Key, 3/16 x 1-1/4" (See Note 1)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 3/8 - 16 x 1-3/8" (8 Req.)

Plug, Pipe 1/2 NPT (3 Req.)

Impeller

Bracket

14

26

32

69 71

73

89

801

802

805

810

# BERKELEY® B6ZPLS

# Cast Iron Impeller

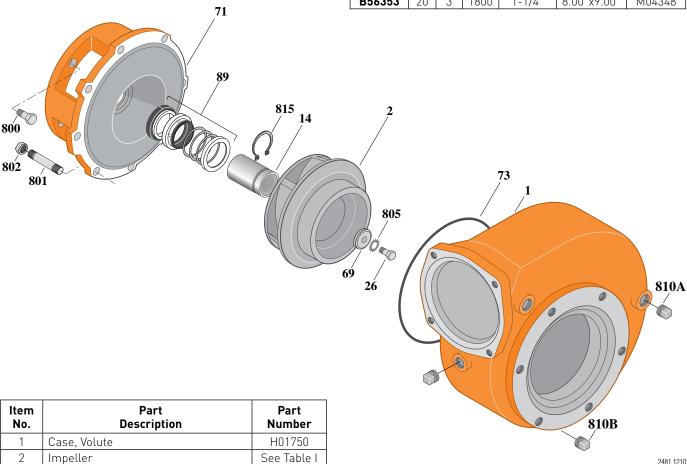
Special Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

Section	CC
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56352	15	3	1800	1-1/4"	7.56"x8.56"	M07719
B56353	20	3	1800	1-1/4"	8.00"x9.00"	M04348



Item No.	Part Description	Part Number
1	Case, Volute	H01750
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 3"	S23631
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 3/8 - 16 x 1-3/8" (8 Req.)	S23994
802	Nut, 3/8 -16 (8 Req.)	S23103
805	Washer, Lock	S23038
810A	Plug, Pipe 1/2 NPT (3 Req.)	S23717
810B	Plug, Pipe 1/2 NPT Skt. Hd.	M11137
815	Ring, Retaining	S16767

#### Table II

H	HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
	15	3	L04615	8-1/2"	1-1/4"	254JM
	20	3	L04615	8-1/2"	1-1/4"	256JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B6ZPLS Cast Iron Impeller

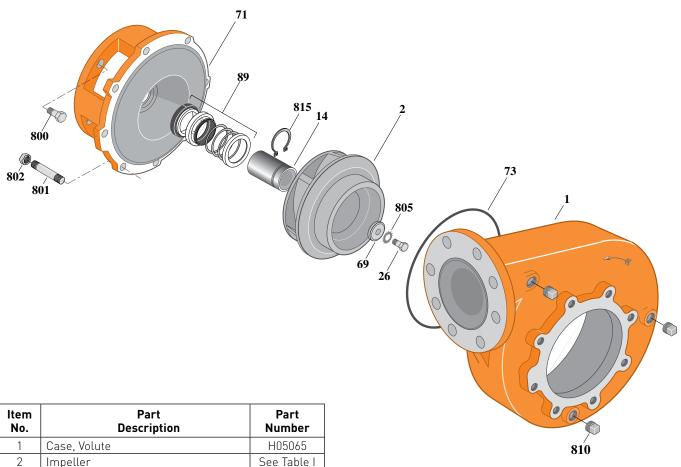
Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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Supersedes 07/01/11				

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B69546	15	3	1800	1-1/4"	7.56"x8.56"	M07719
B69540	20	3	1800	1-1/4"	8.00"x9.00"	M04348



S18869L

S23631

S23677

S06319

See Table II

M14943 S32015

S26912

S09942

S23103

S23038

S23717

S16767

1621 1210

#### Table II

HP	РН	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM
20	3	L04615	8-1/2"	1-1/4"	256JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



14

26

32

69

71

73

89

800

801

802

805

810

815

Sleeve, Shaft

Bracket

Washer, Impeller

O-Ring (See Note 2)

Nut, 3/8 -16 (8 Reg.)

Washer, Lock

Ring, Retaining

Seal, Mechanical Shaft

Screw, Impeller 1/2 - 13 x 3"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 3/8 - 16 x 1-3/8" (8 Req.)

Plug, Pipe 1/2 NPT (3 Req.)

## **BERKELEY**® B6ZPLS Bronze Impeller

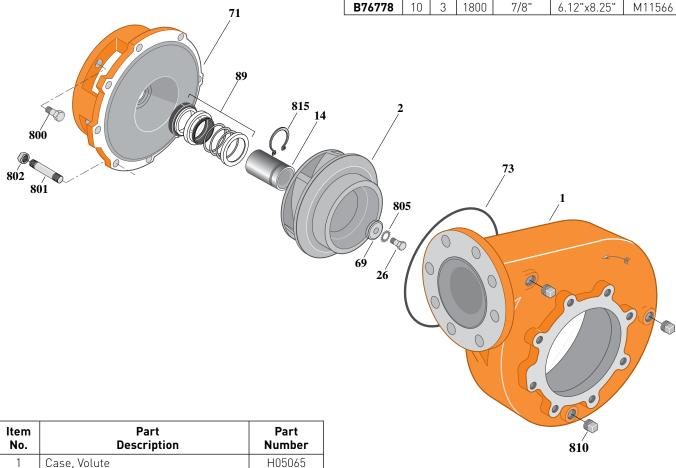
Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

Section	CC			
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76777	10	1	1800	7/8"	6.12"x8.25"	M11566
B76778	10	3	1800	7/8"	6 12"x8 25"	M11566



S23036

S23717

S11207

See Table I Impeller S19310L 14 Sleeve, Shaft Screw, Impeller 3/8 - 16 x 2" S23574 26 Key, 3/16 x 1-1/4" (See Note 1) 32 S34383 Washer, Impeller S06314 Bracket See Table II 71 O-Ring (See Note 2) 73 M14943 Seal, Mechanical Shaft S32014 800 Capscrew, 1/2 - 13 x 1" (4 Reg.) S26912 Stud, 3/8 - 16 x 1-3/8" (8 Req.) S09942 801 802 Nut, 3/8 -16 (8 Req.) S23103

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



805

810

815

Washer, Lock

Ring, Retaining

Plug, Pipe 1/2 NPT (3 Req.)

# **BERKELEY**® B6ZPLS Bronze Impeller

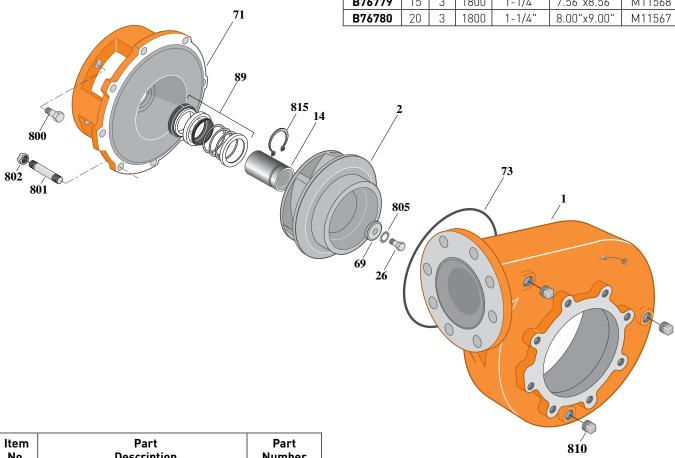
# Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76779	15	3	1800	1-1/4"	7.56"x8.56"	M11568
B76780	20	3	1800	1-1/4"	8.00"x9.00"	M11567



Item No.	Part Description	Part Number
1	Case, Volute	H05065
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 3"	S23631
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 3/8 - 16 x 1-3/8" (8 Req.)	S09942
802	Nut, 3/8 -16 (8 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (3 Req.)	S23717
815	Ring, Retaining	S16767

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM
20	3	L04615	8-1/2"	1-1/4"	256JM

NOTE 1: For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



# **BERKELEY**® B6ZPH Cast Iron Impeller

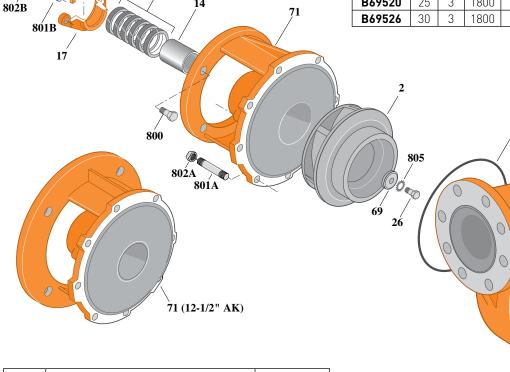
Flanged Case, Packing Construction

### ELECTRIC MOTOR DRIVE

Section	CC
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Date	March 4, 2013
	Supersedes 07/01/11

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B69536	15	3	1800	1-1/4"	6.25"x8.00"	M07720
B69531	20	3	1800	1-1/4"	7.12"x8.12"	M07721
B69520	25	3	1800	1-1/4"	7.69"x8.69"	M07722
B69526	30	3	1800	1-1/4"	8.00"x9.00"	M04349



Item No.	Part Description	Part Number
1	Case, Volute	H05065
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 2"	S23627
32	Key, 1/4 x 2-1/4" (See Note1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	0-Ring (See Note 2)	M14943
800	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 1-3/8" (8 Req.)	S09942
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 3/8 - 16 (8 Req.)	S23103
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (3 Req.)	S23717

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L03827	8-1/2"	1-1/4"	254JP
10	3	L03827	8-1/2"	1-1/4"	256JP
15	3	L01563	12-1/2"	1-1/4"	284JP
20	3	L01563	12-1/2"	1-1/4"	286JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



# **BERKELEY**® B6ZPH Cast Iron Impeller

Special Flanged Case, Packing Construction

13

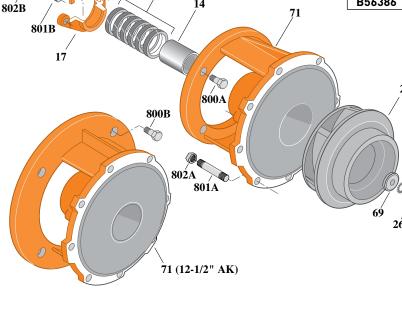
## ELECTRIC MOTOR DRIVE

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Date	March 4, 2013
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56356	15	3	1800	1-1/4"	6.25"x8.00"	M07720
B56357	20	3	1800	1-1/4"	7.12"x8.12"	M07721
B56385	25	3	1800	1-1/4"	7.69"x8.69"	M07722
B56386	30	3	1800	1-1/4"	8.00"x9.00"	M04349

805



Item No.	Part Description	Part Number
1	Case, Volute	H01750
2	Impeller	See Table I
13	Rings, Packing (Set of 6)	S13470
14	Sleeve, Shaft	S05149L
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 2"	S23627
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
800A	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801A	Stud, 3/8 - 16 x 1-3/8" (8 Req.)	S23994
801B	Stud, 3/8 - 16 x 4" (2 Req.)	S08303
802A	Nut, Hex 3/8 - 16 (8 Req.)	S23103
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810A	Plug, Pipe 1/2 NPT (3 Req.)	S23717
810B	Plug, Pipe 1/2 NPT Skt. Hd.	M11137

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	1	L03827	8-1/2"	1-1/4"	254JP
20	3	L03827	8-1/2"	1-1/4"	256JP
25	3	L01563	12-1/2"	1-1/4"	284JP
30	3	L01563	12-1/2"	1-1/4"	286JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.



810A

# **BERKELEY**® B6ZPHS Cast Iron Impeller

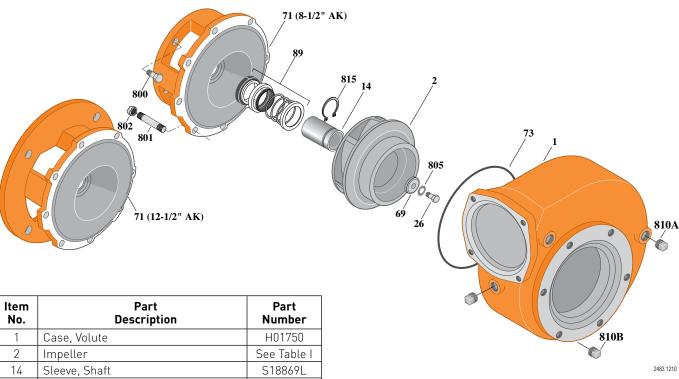
Special Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56362	15	3	1800	1-1/4"	6.25"x8.00"	M07720
B56363	20	3	1800	1-1/4"	7.12"x8.12"	M07721
B56364	25	3	1800	1-1/4"	7.69"x8.69"	M07722
B56365	30	3	1800	1-1/4"	8.00"x9.00"	M04349



S16767

No.	Description	Number
1	Case, Volute	H01750
2	Impeller	See Table I
14	Sleeve, Shaft	S18869L
26	Screw, Impeller 1/2 - 13 x 2"	S23627
32	Key, 1/4 x 2-1/4" (See Note 1)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73	O-Ring (See Note 2)	M14943
89	Seal, Mechanical Shaft	S32015
800	Capscrew, 1/2 - 13 x 1" (4 Req.) (For 8-1/2 AK)	S26912
800	Capscrew, 5/8 - 11 x 1-1/4" (4 Req.) (For 8-1/2 AK)	S26997
801	Stud, 3/8 - 16 x 1-3/8" (8 Req.)	S23994
802	Nut, 3/8 -16 (8 Req.)	S23103
805	Washer, Lock	S23038
810A	Plug, Pipe 1/2 NPT (3 Req.)	S23717
810B	Plug, Pipe 1/2 NPT Skt. Hd.	M11137

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM
20	3	L04615	8-1/2"	1-1/4"	256JM
25	3	L04627	12-1/2"	1-1/4"	284JM
30	3	L04627	12-1/2"	1-1/4"	286JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

**NOTE 2:** Also accepts gasket **S05126** as replacement for O-Ring. See **Supplement E** located at the beginning of this section.

Ring, Retaining

## **BERKELEY**® B6ZPHS Cast Iron Impeller

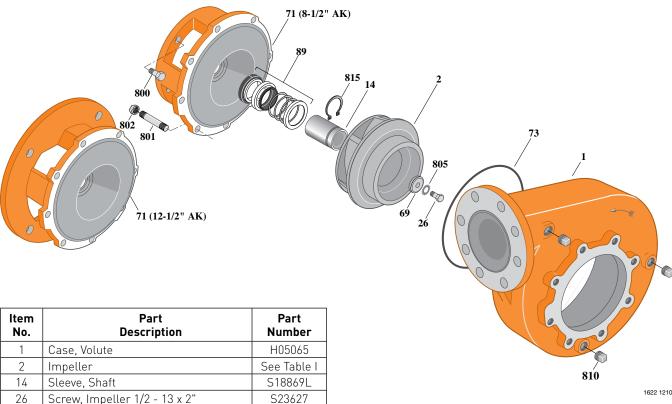
Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B69535	15	3	1800	1-1/4"	6.25"x8.00"	M07720
B69530	20	3	1800	1-1/4"	7.12"x8.12"	M07721
B69518	25	3	1800	1-1/4"	7.69"x8.69"	M07722
B69525	30	3	1800	1-1/4"	8.00"x9.00"	M04349



S23627

S23677

S06319

See Table II

M14943

S32015

S26912

S26997

S09942

S23103

S23038

S23717

S16767

1622 1210

Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM
20	3	L04615	8-1/2"	1-1/4"	256JM
25	3	L04627	12-1/2"	1-1/4"	284JM
30	3	L04627	12-1/2"	1-1/4"	286JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



32

69

71

73

89

800

800

801

802

805

810

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 3/8 - 16 x 1-3/8" (8 Req.)

Plug, Pipe 1/2 NPT (3 Req.)

Capscrew, 5/8 - 11 x 1-1/4" (4 Reg.)

Washer, Impeller

(For 8-1/2 AK)

(For 8-1/2 AK)

Washer, Lock

Ring, Retaining

Nut, 3/8 -16 (8 Reg.)

O-Ring (See Note 2)

Seal, Mechanical Shaft

Bracket

## **BERKELEY**® B6ZPHS Bronze Impeller

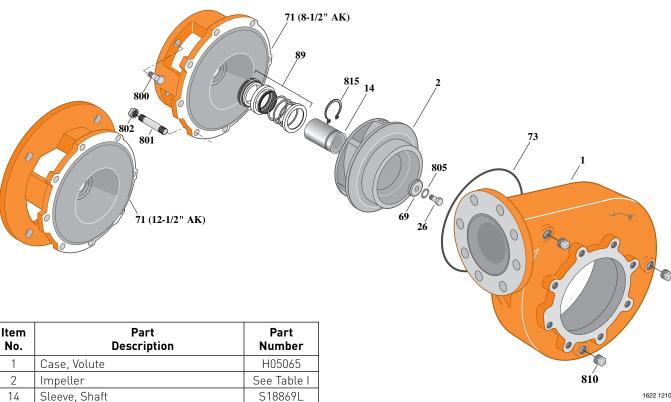
Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76781	15	3	1800	1-1/4"	6.25"x8.00"	M11569
B76782	20	3	1800	1-1/4"	7.12"x8.12"	M11570
B76783	25	3	1800	1-1/4"	7.69"x8.69"	M11571
B76784	30	3	1800	1-1/4"	8.00"x9.00"	M11572



S23627

S23677

S06319

See Table II

M14943 S32015

S26912

S26997

S09942

S23103

S23038

S23717

S16767

1622 1210

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	L04615	8-1/2"	1-1/4"	254JM
20	3	L04615	8-1/2"	1-1/4"	256JM
25	3	L04627	12-1/2"	1-1/4"	284JM
30	3	L04627	12-1/2"	1-1/4"	286JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.

NOTE 2: Also accepts gasket S05126 as replacement for O-Ring. See Supplement E located at the beginning of this section.



26

32

69

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800

800

801

802

805

810

815

Screw, Impeller 1/2 - 13 x 2"

Key, 1/4 x 2-1/4" (See Note 1)

Capscrew, 1/2 - 13 x 1" (4 Req.)

Stud, 3/8 - 16 x 1-3/8" (8 Req.)

Plug, Pipe 1/2 NPT (3 Req.)

Capscrew, 5/8 - 11 x 1-1/4" (4 Reg.)

Washer, Impeller

O-Ring (See Note 2)

(For 8-1/2 AK)

(For 8-1/2 AK)

Washer, Lock

Ring, Retaining

Nut, 3/8 -16 (8 Reg.)

Seal, Mechanical Shaft

Bracket

# **BERKELEY**® B6JPBL Cast Iron Impeller

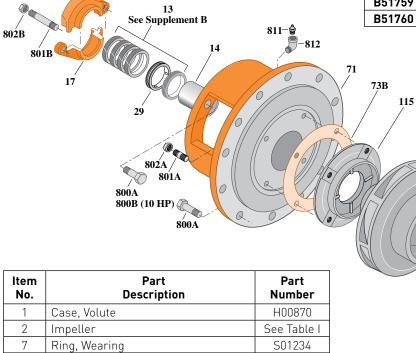
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

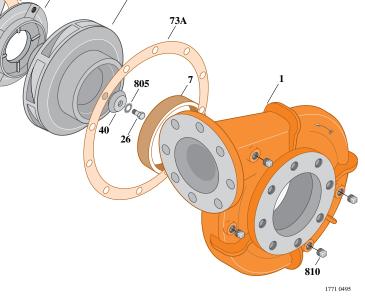
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53858	25	3	1800	1-1/4"	11.00"	L06194
B53859	30	3	1800	1-1/4"	11.75"	L06195
B51759	40	3	1800	1-1/4"	12.88"	L06193
B51760	50	3	1800	1-1/4"	13.50"	L02420



Item No.	Part Description	Part Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S06319
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S12315
800	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
801A	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S23996
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 3/8 - 16 (4 Req.)	S23103
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP
40	3	H01601	12-1/2"	1-1/4"	324JP
50	3	H01601	12-1/2"	1-1/4"	326JP



# **BERKELEY**® B6JPBLS Cast Iron Impeller

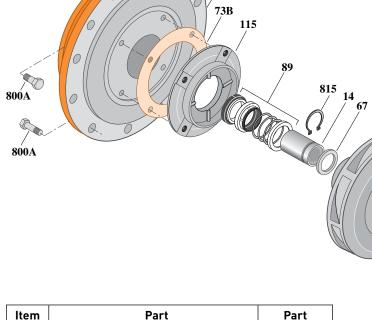
Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

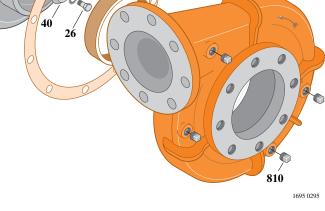
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54214	25	3	1800	1-1/4"	11.00"	L06194
B54215	30	3	1800	1-1/4"	11.75"	L06195
B54216	40	3	1800	1-1/4"	12.88"	L06193
B54217	50	3	1800	1-1/4"	13.50"	L02420



Item No.	Part Description	Part Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S06319
67	Ring, Spacer	S19349
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19105
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
801	Stud, 3/8 - 16 x 1-1/2" (4 Req.)	S23995
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM



# **BERKELEY**® B6JPBL Silicon Bronze Impeller

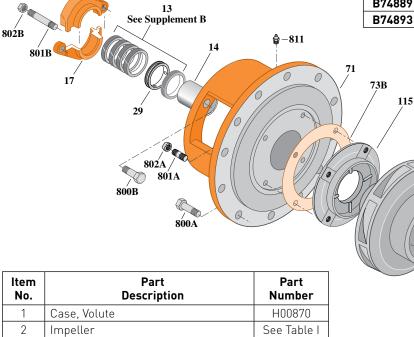
Flanged Case, Packing Construction

### ELECTRIC MOTOR DRIVE

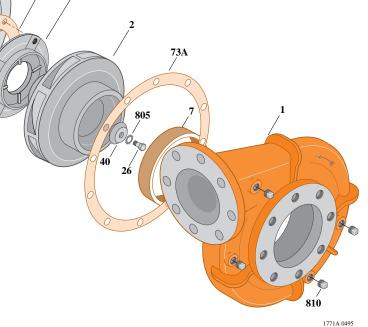
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74881	25	3	1800	1-1/4"	11.00"	H05650
B74885	30	3	1800	1-1/4"	11.75"	H05651
B74889	40	3	1800	1-1/4"	12.88"	H05649
B74893	50	3	1800	1-1/4"	13.50"	H05652



Item No.	Part Description	Part Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S06319
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S12315
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801A	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S23996
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 3/8 - 16 (4 Req.)	S23103
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (4 Req.)	S23717
811	Fitting, Grease	S23700



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	H01601	12-1/2"	1-1/4"	284JP
30	3	H01601	12-1/2"	1-1/4"	286JP
40	3	H01601	12-1/2"	1-1/4"	324JP
50	3	H01601	12-1/2"	1-1/4"	326JP



# **BERKELEY**® B6JPBLS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

815

S23714

### ELECTRIC MOTOR DRIVE

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B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74865	25	3	1800	1-1/4"	11.00"	H05650
B74869	30	3	1800	1-1/4"	11.75"	H05651
B74873	40	3	1800	1-1/4"	12.88"	H05649
B74877	50	3	1800	1-1/4"	13.50"	H05652

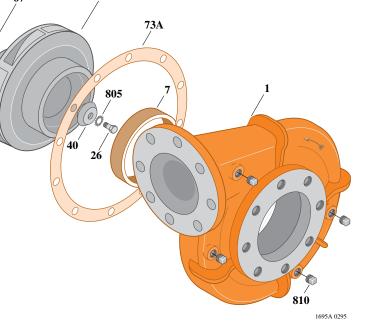
Item No.	Part Description	Part Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S06319
67	Ring, Spacer	S19349
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19105
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801	Stud, 3/8 - 16 x 1-1/2" (4 Req.)	S23995
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (4 Req.)	S23717
815	Ring, Retaining	S16767

Plug, Pipe 1/8" NPT (In Bracket)

• Not illustrated.

800B

800A



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
25	3	H03301	12-1/2"	1-1/4"	284JM
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



# **BERKELEY**® B6JPBM Cast Iron Impeller

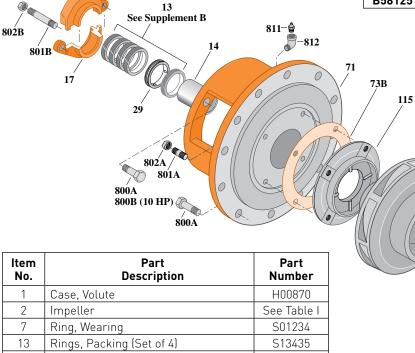
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

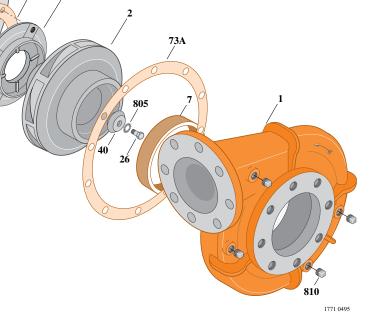
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56757	10	3	1200	1-1/4"	10.94"	L06196
B58124	15	3	1200	1-1/4"	12.31"	L06199
B58125	20	3	1200	1-1/4"	13.50"	L05816



ltem No.	Part Description	Part Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S18117
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S12315
A008	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
801A	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S23996
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 3/8 - 16 (4 Req.)	S23103
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	3	H02384	8-1/2"	1-1/4"	256JP
15	3	H01601	12-1/2"	1-1/4"	284JP
20	3	H01601	12-1/2"	1-1/4"	286JP



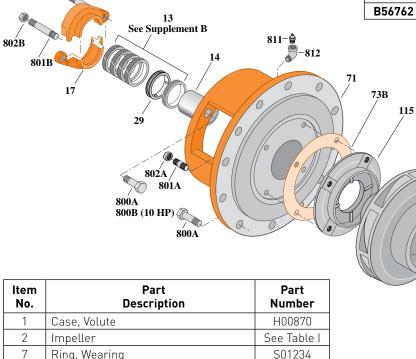
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

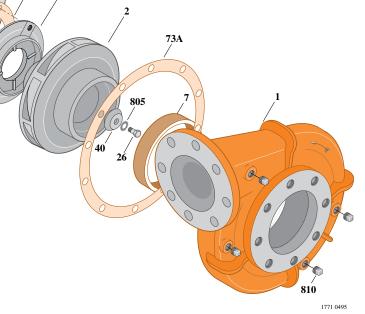
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58126	30	3	1800	1-1/4"	10.44"	L06200
B56761	40	3	1800	1-1/4"	11.44"	L06197
B56762	50	3	1800	1-1/4"	12.18"	L06198



Item No.	Part Description	Part Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S18117
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S12315
800	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
801A	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S23996
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 3/8 - 16 (4 Req.)	S23103
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
811	Fitting, Grease	S23700
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
812	Elbow, Street	S25421



#### Table II

	HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
	30	3	H01601	12-1/2"	1-1/4"	286JP
ſ	40	3	H01601	12-1/2"	1-1/4"	324JP
	50	3	H01601	12-1/2"	1-1/4"	326JP



13 See Supplement B

800A

Part

**Description** 

**\$**−811

Part

S01234

S13437

S07073

B82471

S32712

S23629

S19198

S23940

S19864

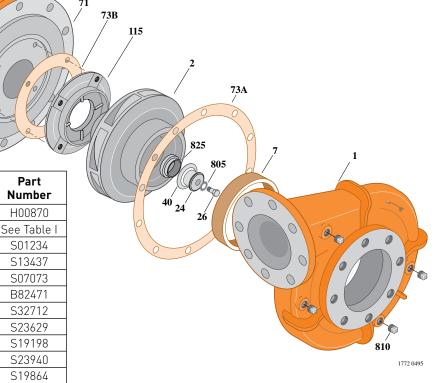
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

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	Supersedes 02/02/07

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58127	60	3	1800	1-5/8"	12.75"	L06201
B58128	75	3	1800	1-5/8"	13.50"	L05797



Tab	le II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03622	12-1/2"	1-5/8"	364JP
75	3	H03622	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.





Item

No.

13

14

17

24

26

32

40

Case, Volute

Ring, Wearing

Sleeve, Shaft

Gland, Packing

Ring, Lantern

Deflector

Locknut, Impeller

Rings, Packing (Set of 4)

Screw, Impeller 1/2 - 13 x 2-1/2"

Key, 3/8 x 2-1/4" (See Note)

Impeller

Flanged Case, Mechanical Shaft Seal Construction

801

73B

#### FLECTRIC MOTOR DRIVE

Section		CC
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56765	10	3	1200	1-1/4"	10.94"	L06196
B56766	15	3	1200	1-1/4"	12.31"	L06199
B56767	20	3	1200	1-1/4"	13.50"	L05816



S26999

S26916

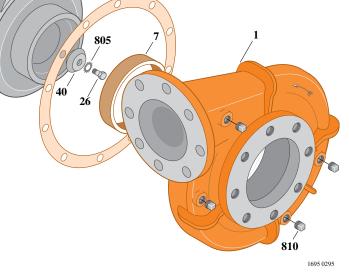
S23995

S23103

S23038

S23717

S16767



73A

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	3	H03300	8-1/2"	1-1/4"	256JM
15	3	H03301	12-1/2"	1-1/4"	284JM
20	3	H03301	12-1/2"	1-1/4"	286JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



800A

800B

801

802

805

810

815

800A

800A

293 WRIGHT STREET, DELAVAN, WI 53115 WWW.berkeleypumps.COM PH: 888-237-5353 ORDERS FAX: 800-321-8793 Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

Capscrew, 5/8 - 11 x 1-1/2"

Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

(8-1/2 AK Only)

Washer, Lock

Ring, Retaining

Nut, 3/8 - 16 (4 Req.)

(12 Req.-8-1/2 AK; 16 Req.-12-1/2 AK) Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)

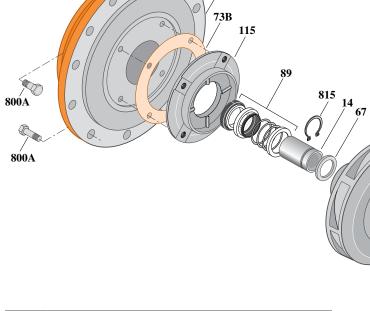
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

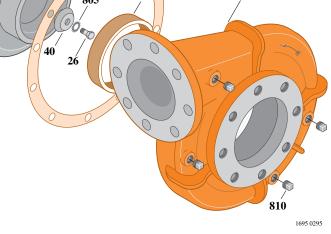
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#### Table I

	B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
	B56768	30	3	1800	1-1/4"	10.44"	L06200
ſ	B56769	40	3	1800	1-1/4"	11.44"	L06197
Ī	B56770	50	3	1800	1-1/4"	12.18"	L06198



Item No.	Part Description	Part Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S18117
67	Ring, Spacer	S19349
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19105
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
801	Stud, 3/8 - 16 x 1-1/2" (4 Req.)	S23995
802	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM



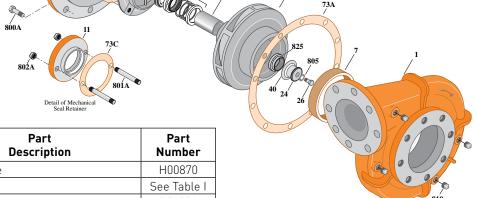
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B62097	60	3	1800	1-5/8"	12.75"	L06201
B08201	75	3	1800	1-5/8"	13.50"	L05797



Item No.	Part Description	Part Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
24	Locknut, Impeller	S32712
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23629
32	Key, 3/8 x 2-1/4" (See Note)	S23940
40	Deflector	S19864
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
73C	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S12334
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
801A	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, 3/8 - 16 (2 Req.)	S23343
801B	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S23996
802B	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	810 Plug, Pipe 1/2 NPT (4 Req.)	
820	820 Connector, Comp. Fitting (2 Req.)	
822	Tubing, Copper	S20677
825	Sleeve, Impeller Locknut	S31661
•	Plug, Pipe 1/8 NPT (Not Illustrated)	S23714
•	Plug, Pipe 1/4 NPT (Not Illustrated)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03936	12-1/2"	1-5/8"	364JP
75	3	H03936	12-1/2"	1-5/8"	365JP



## **BERKELEY**® B6JPBM Silicon Bronze Impeller

13 See Supplement B

-811

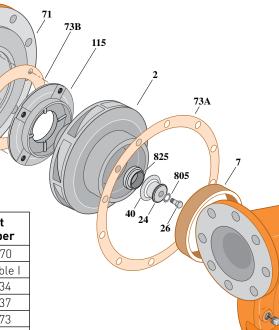
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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	Supersedes 02/02/07

#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74921	60	3	1800	1-5/8"	12.75"	H05690
B74925	75	3	1800	1-5/8"	13.50"	H05691



Item	Part	Part
No.	Description	Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82471
24	Locknut, Impeller	S32714
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23629
29	Ring, Lantern	S19198
32	Key, 3/8 x 2-1/4" (See Note)	S23940
40	Deflector	S19864
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S12334
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
801A	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S23996
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 3/8 - 16 (4 Req.)	S23103
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (4 Req.)	S23717
811	Fitting, Grease	S23700
825	Sleeve, Impeller Locknut	S31661

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03622	12-1/2"	1-5/8"	364JP
75	3	H03622	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



293 WRIGHT STREET, DELAVAN, WI 53115 WWW.berkeleypumps.COM PH: 888-237-5353 ORDERS FAX: 800-321-8793 Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

### **BERKELEY**® B6JPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

801

115

S23717

S16767

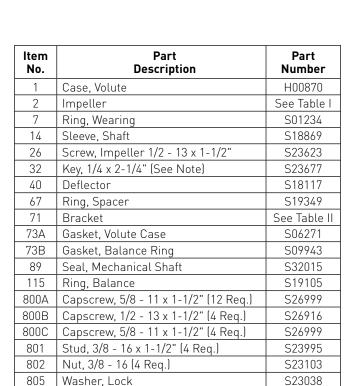
S23714

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74929	10	3	1200	1-1/4"	10.94"	H05684
B74933	15	3	1200	1-1/4"	12.31"	H05687
B74937	20	3	1200	1-1/4"	13.50"	H05689



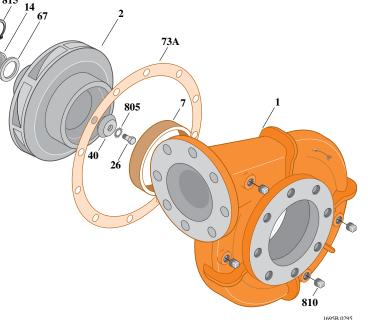


810

815

800B (8-1/2 AK) 800C (12-1/2 AK)

800A



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	3	H03300	8-1/2"	1-1/4"	256JM
15	3	H03301	12-1/2"	1-1/4"	284JM
20	3	H03301	12-1/2"	1-1/4"	286JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



Plug, Pipe 1/2" NPT (4 Reg.)

Plug, Pipe 1/8" NPT (In Bracket)

Ring, Retaining

### **BERKELEY**® B6JPBM Silicon Bronze Impeller

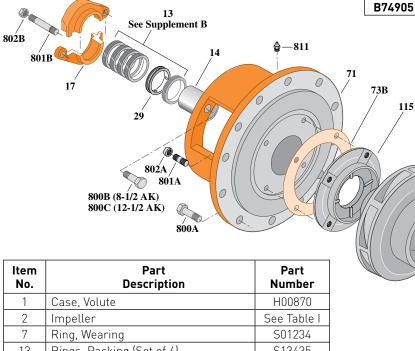
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

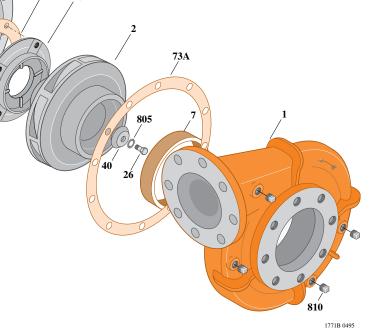
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74897	10	3	1200	1-1/4"	10.94"	H05684
B74901	15	3	1200	1-1/4"	12.31"	H05687
B74905	20	3	1200	1-1/4"	13.50"	H05689



Item No.	Part Description	Part Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 1-1/2"	S23623
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
40	Deflector	S18117
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S12315
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 1/2 - 13 x 1-1/2" (4 Req.)	S26916
800C	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
801A	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S23996
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 3/8 - 16 (4 Req.)	S23103
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (4 Req.)	S23717
811	Fitting, Grease	S23700



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	3	H02384	8-1/2"	1-1/4"	256JP
15	3	H01601	12-1/2"	1-1/4"	284JP
20	3	H01601	12-1/2"	1-1/4"	286JP



## **BERKELEY**® B6JPBM Silicon Bronze Impeller

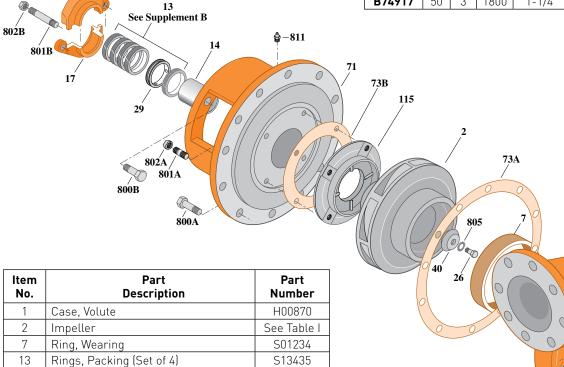
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74909	30	3	1800	1-1/4"	10.44"	H05682
B74913	40	3	1800	1-1/4"	11.44"	H05685
B74917	50	3	1800	1-1/4"	12.18"	H05686



S05149

B82470

S23623

S19200

S23677

S18117

See Table II

S06271

S09943

S12315

S26999

S26999

S23996

S04438

S23103

S23343

S23038

S23717

S23700

1771A 0495

810

#### Table II

Н	ΙP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	08	3	H01601	12-1/2"	1-1/4"	286JP
4	0	3	H01601	12-1/2"	1-1/4"	324JP
5	0	3	H01601	12-1/2"	1-1/4"	326JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



14

17

26

29

32

40

71

73A

73B

115

800A

800B

801A

801B

802A 802B

805

810

Sleeve, Shaft

Gland, Packing

Ring, Lantern

Gasket, Volute

Ring, Balance

Washer, Lock

Fitting, Grease

Gasket, Balance Ring

Deflector

Bracket

Screw, Impeller 1/2 - 13 x 1-1/2"

Capscrew, 5/8 - 11 x 1-1/2" [12 Req.]

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-3/4" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 3/8 - 16 (4 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2" NPT (4 Reg.)

Key, 1/4 x 2-1/4" (See Note)

### **BERKELEY**® B6JPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

73B

115

#### FLECTRIC MOTOR DRIVE

Section		CC
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B74941	30	3	1800	1-1/4"	10.44"	H05687
B74945	40	3	1800	1-1/4"	11.44"	H05685
B74949	50	3	1800	1-1/4"	12.18"	H05686



Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 1-1/2" (4 Req.)

Plug, Pipe 1/2" NPT (4 Reg.)

Plug, Pipe 1/8" NPT (In Bracket)

Nut, 3/8 - 16 (4 Req.)

Washer, Lock

Ring, Retaining

S26999

S26999

S23995

S23103

S23038

S23717

S16767

S23714

<ul> <li>Not illustrated</li> </ul>	
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800A

801 802

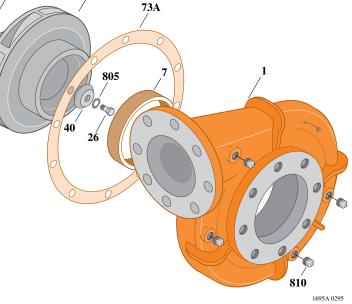
805

810

815

800B

800A



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
30	3	H03301	12-1/2"	1-1/4"	286JM
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



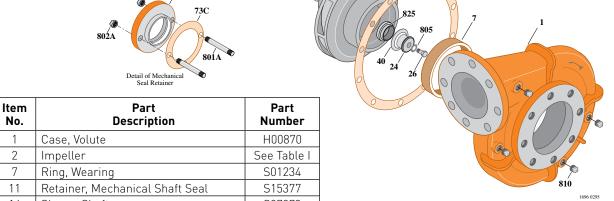
### **BERKELEY**® B6JPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I RPM "U" Dim. B/M No. HP PH Imp. Dia. Imp. No. B74953 60 3 1800 1-5/8' 12.75 H05690 75 3 1-5/8" 13.50" B74955 1800 H05691



No.	Description	Number
1	Case, Volute	H00870
2	Impeller	See Table I
7	Ring, Wearing	S01234
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
24	Locknut, Impeller	S32712
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23629
32	Key, 3/8 x 2-1/4" (See Note)	S23940
40	Deflector	S19864
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
73C	Gasket, Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S12334
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
801A	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, 3/8 - 16 (2 Req.)	S23343
801B	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S23996
802B	Nut, 3/8 - 16 (4 Req.)	S23103
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (4 Req.)	S23717
825	Sleeve, Impeller Locknut	S31661
•	Plug, Pipe 1/8" NPT(In Bracket)(2 Req.)	S23714

• Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03936	12-1/2"	1-5/8"	364JP
75	3	H03936	12-1/2"	1-5/8"	365JP

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



13 See Supplement B

811-9

Flanged Case, Packing Construction

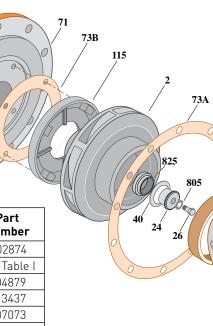
800B

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58301	75	3	1800	1-5/8"	12.38"	L06202



ltem No.	Part Description	Part Number
1	Case, Volute	H02874
2	Impeller	See Table I
7	Ring, Wearing	S04879
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82471
24	Locknut, Impeller	S32712
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23629
29	Ring, Lantern	S19198
32	Key, 3/8 x 2-1/4" (See Note)	S23940
40	Deflector	S19864
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	M06114
800A	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800C	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810B	Plug, Pipe 1/4 NPT (Not Illustrated)	S23715
810A	Plug, Pipe 1/2 NPT (4 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421
825	Sleeve, Impeller Locknut	S31661

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H03622	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



810

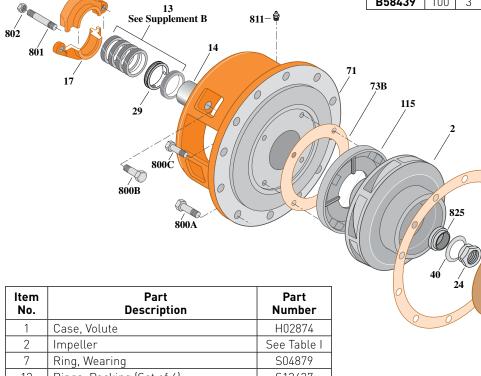
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

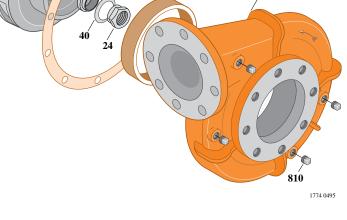
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58439	100	3	1800	1-5/8"	13.50"	L05897



ltem No.	Part Description	Part Number
1	Case, Volute	H02874
2	Impeller	See Table I
7	Ring, Wearing	S04879
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82471
24	Locknut, Impeller	S31662
29	Ring, Lantern	S19198
32	Key, 3/8 x 2-1/4" (See Note)	S23940
40	Deflector	S19864
71	Bracket	See Table II
73A	Gasket, Volute	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	M06114
A008	Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800C	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802	Nut, Hex 3/8 - 16 (2 Req.)	S23343
810A	Plug, Pipe 1/2 NPT (4 Req.)	S23717
810B	Plug, Pipe 1/4 NPT (Not Illustrated)	S23715
811	Fitting, Grease	S23700
812	Elbow, Street	S25421
825	Sleeve, Impeller Locknut	S31661



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03622	12-1/2"	1-5/8"	404TC



### BERKELEY® B6JPBHS

### Cast Iron Impeller

Screw, Impeller 1/2 - 13 x 2-1/2"

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

Sleeve, Impeller Locknut

Connector, Comp. Fitting (2 Req.)

Plug, Pipe 1/8 NPT (Not Illustrated)

Key, 3/8 x 2-1/4" (See Note)

Gasket, Volute Case

Gasket, Balance Ring

Gasket, Seal Retainer

Nut, 3/8 - 16 (2 Req.)

Ring, Balance

Washer, Lock

Tubing, Copper

Seal, Mechanical Shaft

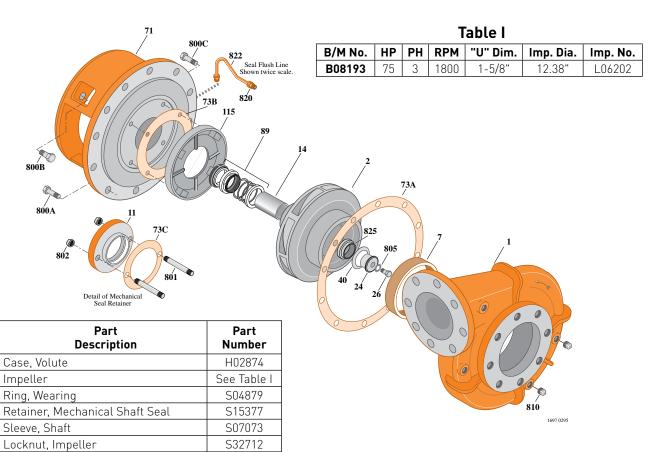
Deflector

Bracket

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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S23629

S23940

S19864 See Table II

> S06271 S09943

S15078

S32016

M06114

S26999

S27001

S26830

S04438

S23343

S23038

S23717

S24013

S20677

S31661

S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H03936	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Item

No.

2

11

14

24

26

32

40

73A

73B

73C

89

115

A008

800B

800C

801

802

805

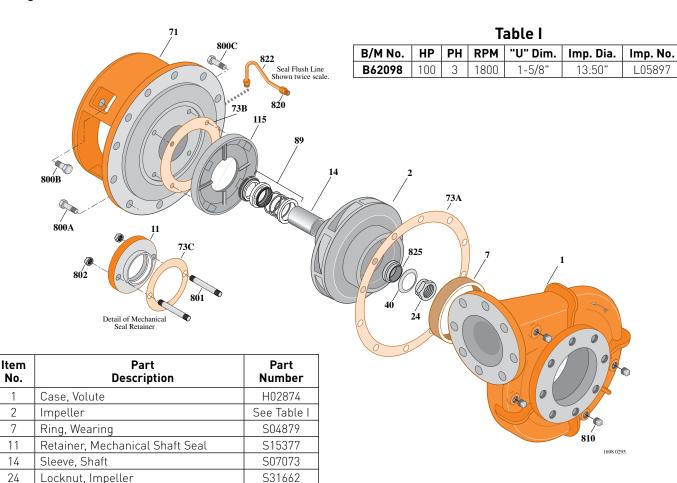
810 820

822

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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S23939

S19864

See Table II

S06271

S09943

S15078

S32016

M06114

S26999

S27001

S26830

S04438

S23343

S23717

S24013

S20677

S31661

S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03936	12-1/2"	1-5/8"	404TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



32

71

73A 73B

73C

89

115

800A 800B

800C

801

802

810 820

822

825

Key, 3/8 x 2" (See Note )

Gasket, Volute Case

Gasket, Balance Ring

Gasket, Seal Retainer

Nut, 3/8 - 16 (2 Reg.)

Tubing, Copper

Ring, Balance

Seal, Mechanical Shaft

Capscrew, 5/8 - 11 x 1-1/2" (12 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Connector, Comp. Fitting (2 Req.)

Plug, Pipe 1/8 NPT (Not Illustrated)

Plug, Pipe 1/2 NPT (4 Reg.)

Sleeve, Impeller Locknut

Deflector

Bracket

### **BERKELEY**® B6EXPBL Cast Iron Impeller

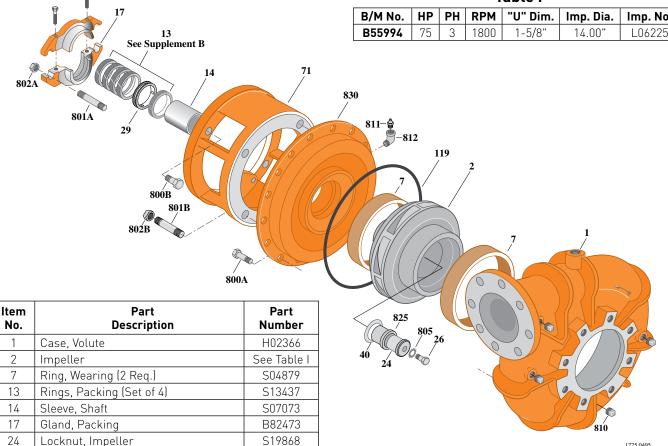
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55994	75	3	1800	1-5/8"	14.00"	L06225



S23633

S19198

S23940

S19864

See Table II

S14444

S26999

S27001

S08305

S23078

S23347

S23111

S23038

S23717

S23700

S27401

S19865

H02482

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H03688	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



26

32

40

71

119

**A008** 

800B

801A

801B

802A

802B

810 811

812

825

830

Screw, Impeller 1/2 - 13 x 3-1/2'

Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Stud, 1/2 - 13 x 3-3/4" (2 Req.)

Stud, 3/4 - 10 x 2-1/4" (4 Req.)

Nut, Hex 3/4 - 10 (4 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

Sleeve, Impeller Locknut

Washer, Lock

Fitting, Grease

Elbow. Street

Cover, Case

Nut, Hex 1/2 - 13 x 7/16" (2 Req.)

Key, 3/8 x 2-1/4" (See Note)

Ring, Lantern

Deflector

Bracket

0-Ring

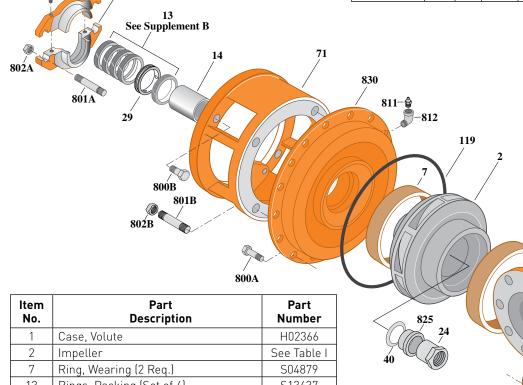
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

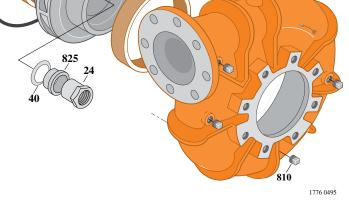
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55995	100	3	1800	1-5/8"	15.25"	L06226



Item No.	Part Description	Part Number
1	Case, Volute	H02366
2	Impeller	See Table I
7	Ring, Wearing (2 Req.)	S04879
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82473
24	Locknut, Impeller	S19863
29	Ring, Lantern	S19198
32	Key, 3/8 x 2-1/4" (See Note)	S23940
40	Deflector	S19864
71	Bracket	See Table II
119	0-Ring	S14444
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
801A	Stud, 1/2 - 13 x 3-3/4" (2 Req.)	S08305
801B	Stud, 3/4 - 10 x 2-1/4" (4 Req.)	S24078
802A	Nut, Hex 1/2 - 13 x 7/16" (2 Req.)	S23347
802B	Nut, Hex 3/4 - 10 (4 Req.)	S23111
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S27401
825	Sleeve, Impeller Locknut	S19865
830	Cover, Case	H02482



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03688	12-1/2"	1-5/8"	404TC



## **BERKELEY**® B6EXPBLS Cast Iron Impeller

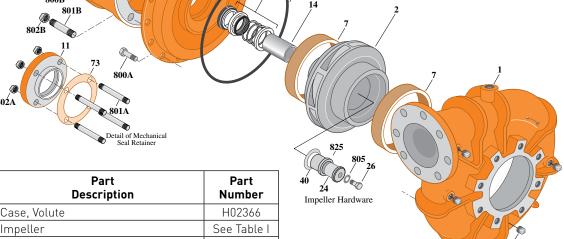
Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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	Superse	des 01/01/04

### Table I

830	Shown twice scale.	B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
/	822	B68434	75	3	1800	1-5/8"	14.00"	L06225
	821							



Item No.	Part Description	Part Number
1	Case, Volute	H02366
2	Impeller	See Table I
7	Ring, Wearing (2 Req.)	S04879
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
24	Locknut, Impeller	S19868
26	Screw, Impeller 1/2 - 13 x 3-1/2"	S23633
32	Key, 3/8 x 2-1/2" (See Note)	S23941
40	Deflector	S19864
71	Bracket	See Table II
73	Gasket, Seal Retainer	S16411
89	Seal, Mechanical Shaft	S32016
119	0-Ring	S14444
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
801A	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S04435
801B	Stud, 3/4 - 10 x 2-1/4" (4 Req.)	S24078
802A	Nut, 3/8 - 16 (2 Req.)	S23343
802B	Nut, 3/4 - 10 (4 Req.)	S23111
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
820	Connector, Comp. Fitting	S24013
821	Elbow, Comp. Tube Fitting	S24128
822	Tubing, Copper	S20677
825	Sleeve, Impeller Locknut	S19865
830	Cover, Case	H02761

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H05058	12-1/2"	1-5/8"	365JP



## **BERKELEY**® B6EXPBLS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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#### Table I "U" Dim. Seal Flush Line B/M No. HP PH RPM Imp. Dia. Imp. No. B68436 1-5/8' 100 3 1800 15.25" L06226 820 80ÓB etail of Mechanical Item Part **Part** Number **Description** No. Impeller Hardware Case, Volute H02366 2 Impeller See Table I Ring, Wearing (2 Req.) S04879 7 Retainer, Mechanical Shaft Seal 11 S15377

S07073

S19863

S23941

S19864

See Table II

S16411

S32016

S14444

S26999

S27001

S04435

S24078

S23343

S23111

S23717

S24013

S24128

S20677

S19865

H02761

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H05058	12-1/2"	1-5/8"	404TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



14

24

32

71

73 89

119

**A008** 

800B

801A 801B

802A

802B

810

820

821

822

825

830

Sleeve, Shaft

Deflector

Bracket

0-Ring

Locknut, Impeller

Gasket, Seal Retainer

Nut, 3/8 - 16 (2 Req.)

Nut, 3/4 - 10 (4 Req.)

Tubing, Copper

Cover, Case

Seal, Mechanical Shaft

Capscrew, 5/8 - 11 x 1-1/2" (16 Reg.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Stud, 3/8 - 16 x 1-3/4" (4 Req.)

Stud, 3/4 - 10 x 2-1/4" (4 Req.)

Plug, Pipe 1/2 NPT (4 Req.)

Connector, Comp. Fitting

Elbow, Comp. Tube Fitting

Sleeve, Impeller Locknut

Key, 3/8 x 2-1/2" (See Note)

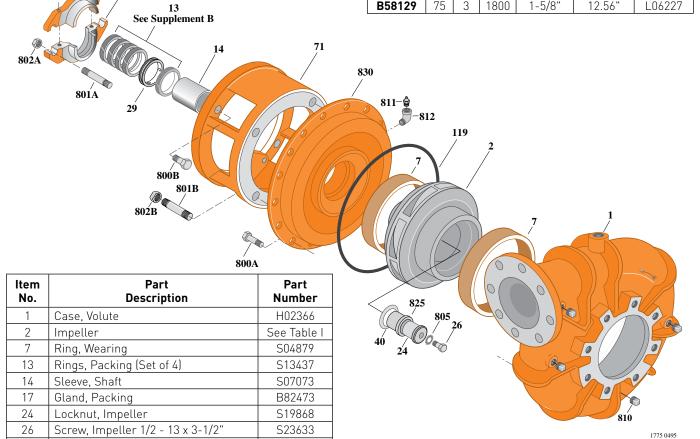
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58129	75	3	1800	1-5/8"	12.56"	L06227



S19198

S23940

S19864

See Table II

S14444

S26999

S27001

S08305

S23078

S23347

S23111

S23038

S23717

S23700

S27401

S19865

H02482

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H03688	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



Ring, Lantern

Deflector

Bracket

0-Ring

Key, 3/8 x 2-1/4" (See Note)

Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Stud, 1/2 - 13 x 3-3/4" (2 Req.)

Stud, 3/4 - 10 x 2-1/4" (4 Req.)

Nut, Hex 3/4 - 10 (4 Req.)

Plug, Pipe 1/2 NPT (4 Req.)

Sleeve, Impeller Locknut

Washer, Lock

Fitting, Grease

Elbow. Street

Cover, Case

Nut, Hex 1/2 - 13 x 7/16" (2 Req.)

32

40

71

119

**A008** 

800B

801A

801B

802A

802B

810 811

812

825

Flanged Case, Packing Construction

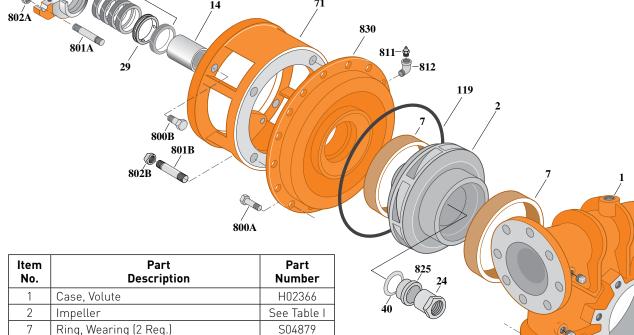
See Supplement B

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B58130	100	3	1800	1-5/8"	13.56"	L06228
B58131	125	3	1800	1-5/8"	14.41"	L06229



S23717

S23700

S27401

S19865

H02482

13 Rings, Packing (Set of 4) S13437 14 Sleeve, Shaft S07073 17 Gland, Packing B82473 Locknut, Impeller S19863 29 Ring, Lantern S19198 Key, 3/8 x 2-1/4" (See Note) S23940 32 40 Deflector S19864 71 Bracket See Table II 119 0-Ring S14444 S26999 A008 Capscrew, 5/8 - 11 x 1-1/2" (16 Req.) Capscrew, 5/8 - 11 x 1-3/4" (4 Req.) S27001 800B 801A Stud, 1/2 - 13 x 3-3/4" (2 Req.) S08305 Stud, 3/4 - 10 x 2-1/4" (4 Req.) 801B S24078 802A Nut, Hex 1/2 - 13 x 7/16" (2 Req.) S23347 802B Nut, Hex 3/4 - 10 (4 Reg.) S23111

Plug, Pipe 1/2 NPT (4 Reg.)

Sleeve, Impeller Locknut

Fitting, Grease

Elbow. Street

Cover, Case

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03688	12-1/2"	1-5/8"	404TC
125	3	H03688	12-1/2"	1-5/8"	405TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



810 811

812

825

830

### BERKELEY® B6EXPBH Cast Iron Impeller

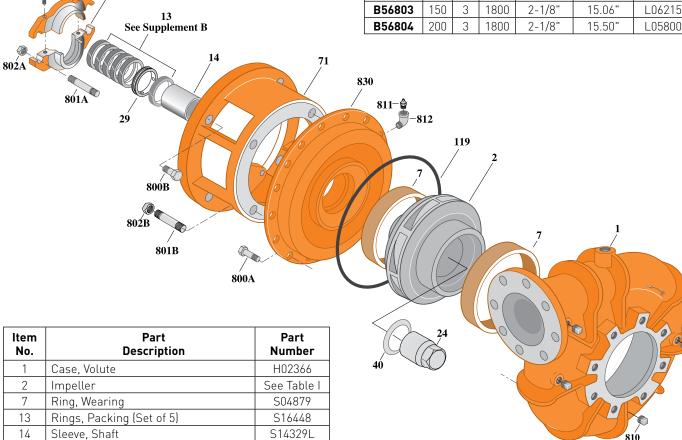
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56803	150	3	1800	2-1/8"	15.06"	L06215
B56804	200	3	1800	2-1/8"	15.50"	L05800



M05311

S07829 S14330

S23940

S18720

See Table II

S14444

S26999

S27001

S08305

S23079

S23347

S23111

S23717

S23700

S24568

H02375

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
150	3	H01078	16"	2-1/8"	444TY
200	3	H01078	16"	2-1/8"	445TY

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



17

24

29

32

40

71

119

800A

800B

801A

801B

802A

802B

810

811

812

830

Gland, Packing

Ring, Lantern

Deflector

Bracket

0-Ring

Locknut, Impeller

Key, 3/8 x 2-1/4" (See Note)

Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Stud, 1/2 - 13 x 3-3/4" (2 Req.)

Stud, 3/4 - 10 x 2-1/2" (4 Req.)

Nut, Hex 3/4 - 10 (4 Req.)

Fitting, Grease

Elbow, Street

Cover, Case

Plug, Pipe 1/2 NPT (4 Req.)

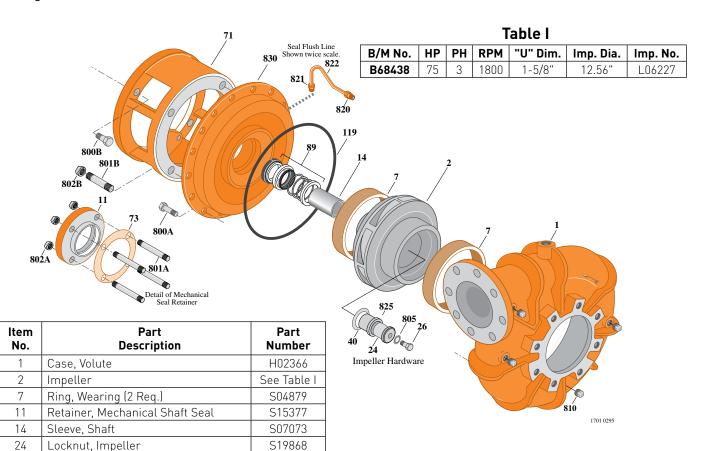
Nut, Hex 1/2 - 13 x 7/16" (2 Req.)

## **BERKELEY**® B6EXPBHS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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S23633

S23941

S19864

See Table II

S16411

S32016

S14444

S26999

S27001

S04435

S24078

S23343

S23111

S23038

S23717

S24013

S24128

S20677

S19865

H02761

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
75	3	H05058	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



26

32

40

73

89 119

800A

800B

801A

801B

802A

802B

805

820

821

822

825

830

Screw, Impeller 1/2 - 13 x 3-1/2"

Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Stud, 3/8 - 16 x 1-3/4" (4 Req.)

Stud, 3/4 - 10 x 2-1/4" (4 Req.)

Plug, Pipe 1/2 NPT (4 Req.)

Connector, Comp. Fitting

Elbow, Comp. Tube Fitting

Sleeve, Impeller Locknut

Key, 3/8 x 2-1/2" (See Note)

Gasket, Seal Retainer

Nut, 3/8 - 16 (2 Req.)

Nut, 3/4 - 10 (4 Req.)

Washer, Lock

Tubing, Copper

Cover, Case

Seal, Mechanical Shaft

Deflector

Bracket

0-Ring

## **BERKELEY**® B6EXPBHS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

Seal Flush Line

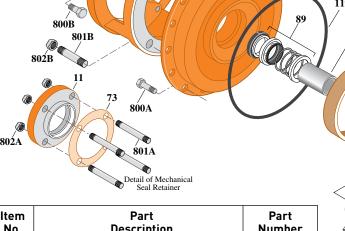
820

#### ELECTRIC MOTOR DRIVE

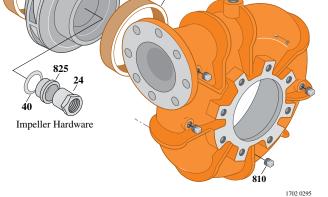
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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B68440	100	3	1800	1-5/8"	13.56"	L06228
B68442	125	3	1800	1-5/8"	14.41"	L06229



		1
Item No.	Part	Part Number
	Description	
1	Case, Volute	H02366
2	Impeller	See Table I
7	Ring, Wearing (2 Req.)	S04879
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
24	Locknut, Impeller	S19863
32	Key, 3/8 x 2-1/2" (See Note)	S23941
40	Deflector	S19864
71	Bracket	See Table II
73	Gasket, Seal Retainer	S16411
89	Seal, Mechanical Shaft	S32016
119	0-Ring	S14444
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
801A	Stud, 3/8 - 16 x 1-3/4" (4 Req.)	S04435
801B	Stud, 3/4 - 10 x 2-1/4" (4 Req.)	S24078
802A	Nut, 3/8 - 16 (2 Req.)	S23343
802B	Nut, 3/4 - 10 (4 Req.)	S23111
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
820	Connector, Comp. Fitting	S24013
821	Elbow, Comp. Tube Fitting	S24128
822	Tubing, Copper	S20677
825	Sleeve, Impeller Locknut	S19865
830	Cover, Case	H02761



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H05058	12-1/2"	1-5/8"	404TC
125	3	H05058	12-1/2"	1-5/8"	405TC

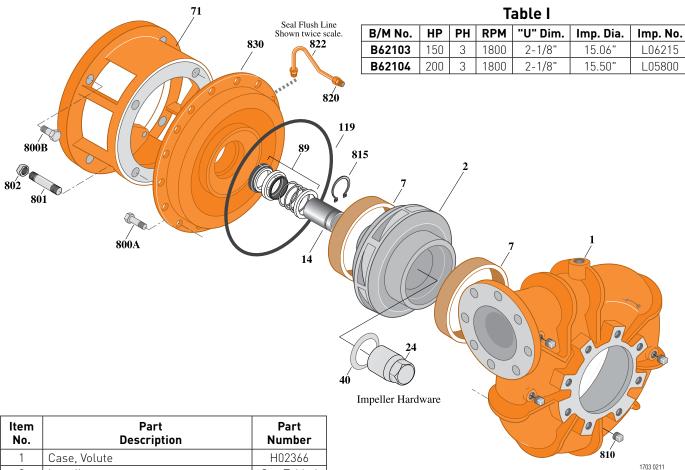


## **BERKELEY**® B6EXPBHS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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Item No.	Part Description	Part Number
1	Case, Volute	H02366
2	Impeller	See Table I
7	Ring, Wearing (2 Req.)	S04879
14	Sleeve, Shaft	S29517L
24	Locknut, Impeller	S07829
32	Key, 3/8 x 2-1/2" (See Note)	S26547
40	Deflector	S18720
71	Bracket	See Table II
89	Seal, Mechanical Shaft	S32697
119	0-Ring	S14444
800A	Capscrew, 5/8 - 11 x 1-1/2" (16 Req.)	S26999
800B	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
801	Stud, 3/4 - 10 x 2-1/2" (4 Req.)	S24079
802	Nut, 3/4 - 10 (4 Req.)	S23111
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S29519
820	Connector, Comp. Fitting (2 Req.)	S24013
822	Tubing, Copper	S20677
830	Cover, Case	H03557

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
150	3	H02762	16"	2-1/8"	444TY
200	3	H02762	16"	2-1/8"	445TY



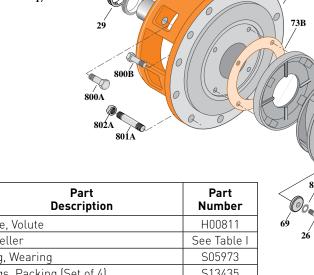
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

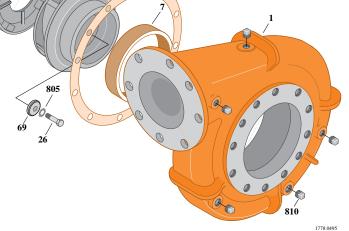
B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53863	15	3	1200	1-1/4"	9.38"x10.62"	M07772
B53864	20	3	1200	1-1/4"	10.62"x11.12"	M07773
B51798	25	3	1200	1-1/4"	11.50"	M07771
B51799	30	3	1200	1-1/4"	12.12"	M03800



13 See Supplement B

**ۇ**—811

Item No.	Part Description	Part Number
1	Case, Volute	H00811
2	Impeller	See Table I
7	Ring, Wearing	S05973
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 3"	S23631
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H01601	12-1/2"	1-1/4"	284JP
20	3	H01601	12-1/2"	1-1/4"	286JP
25	3	H01601	12-1/2"	1-1/4"	324JP
30	3	H01601	12-1/2"	1-1/4"	326JP



See Supplement B

-811

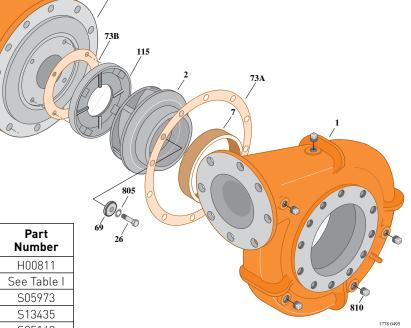
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B51766	40	3	1800	1-1/4"	8.62"x10.18"	M07769
B51767	50	3	1800	1-1/4"	9.44"x10.62"	M07770



Item No.	Part Description	Part Number
1	Case, Volute	H00811
2	Impeller	See Table I
7	Ring, Wearing	S05973
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 3"	S23631
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
A008	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H01601	12-1/2"	1-1/4"	324JP
50	3	H01601	12-1/2"	1-1/4"	326JP



13 See Supplement B

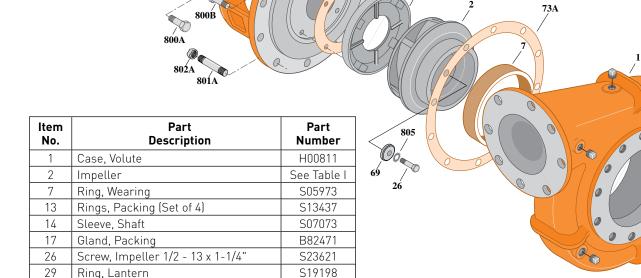
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B55999	60	3	1800	1-5/8"	10.00"x10.75"	M07774
B56000	75	3	1800	1-5/8"	10.81"x11.38"	M07775



S23940

S34492

See Table II

S06271

S09943

S14065

S27001

S26830

S24061

S04438

S23109

S23343

S23038

S23717

S23700

S25421

S23715

-811

115

#### Table II

HP	PH	Bracket No.   "AK" Fit   "U" Dim.		"U" Dim.	Motor Frame	
60	3	H03622	12-1/2"	1-5/8"	364JP	
75	3	H03622	12-1/2"	1-5/8"	365JP	

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



32

71

73A 73B

115 800A

800B

801A

801B

802A

802B

805

810 811

812

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Key, 3/8 x 2-1/4" (See Note)

Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)

Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 5/8 - 11 x 2-1/4" (12 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Nut, Hex 5/8 - 11 (12 Req.)

Nut, Hex 3/8 - 16 (2 Req.)

Plug, Pipe 1/2 NPT (4 Req.)

Plug, Pipe 1/4 NPT (2 Reg)

Washer, Impeller

Ring, Balance

Washer, Lock

Fitting, Grease

(Not Illustrated)

Elbow, Street

Gasket, Volute Case

Gasket, Balance Ring

Bracket

13 See Supplement B

811-\$

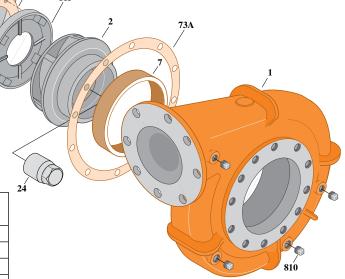
Flanged Case, Packing Construction

#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56001	100	3	1800	1-5/"	11.94"	M07776
B75241	125	3	1800	1-5/8"	12.13"	M03798



Item No.	Part Description	Part Number
1	Case, Volute	H00811
2	Impeller	See Table I
7	Ring, Wearing	S05973
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82471
24	Locknut, Impeller	S07829
29	Ring, Lantern	S19198
32	Key, 3/8 x 2-1/4" (See Note)	S23940
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (8 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421
•	Plug, Pipe 1/4 NPT (2 Req.) (Not Illustrated)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03622	12-1/2"	1-5/8"	404TC
125	3	H03622	12-1/2"	1-5/8"	405TC



Flanged Case, Mechanical Shaft Seal Construction

800B

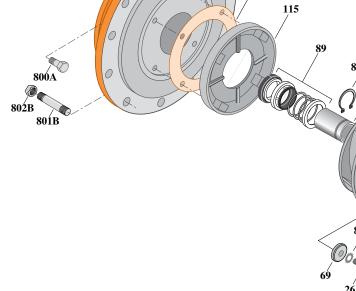
#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54227	15	3	1200	1-1/4"	9.38"x10.62"	M07772
B54228	20	3	1200	1-1/4"	10.62"x11.12"	M07773
B54229	25	3	1200	1-1/4"	11.50"	M07771
B54230	30	3	1200	1-1/4"	12.12"	M03800

73A



Item No.	Part Description	Part Number
1	Case, Volute	H00811
2	Impeller	See Table I
7	Ring, Wearing	S05973
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 2-3/4"	S23630
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19073
800A	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
802	Nut, Hex 5/8 - 11 (12 Req.)	S23109
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717
815	Ring, Retaining	S16767

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#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
15	3	H03301	12-1/2"	1-1/4"	284JM
20	3	H03301	12-1/2"	1-1/4"	286JM
25	3	H03301	12-1/2"	1-1/4"	324JM
30	3	H03301	12-1/2"	1-1/4"	326JM



Flanged Case, Mechanical Shaft Seal Construction

800B

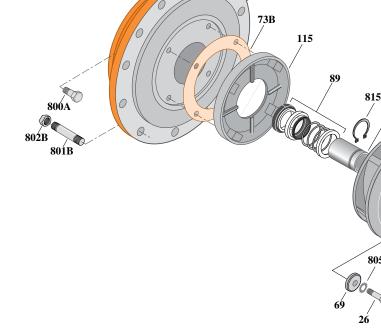
#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54231	40	3	1800	1-1/4"	8.62"x10.18"	M07769
B54232	50	3	1800	1-1/4"	9.44"x10.62"	M07770

73A



Item No.	Part Description	Part Number
1	Case, Volute	H00811
2	Impeller	See Table I
7	Ring, Wearing	S05973
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 2-3/4"	S23630
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19073
800A	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
802	Nut, Hex 5/8 - 11 (12 Req.)	S23109
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717
815	Ring, Retaining	S16767

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM

Table II

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



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#### Flanged Case, Mechanical Shaft Seal Construction

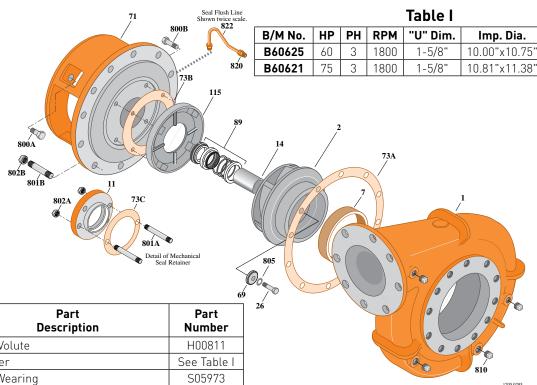
#### ELECTRIC MOTOR DRIVE

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Imp. No.

M07774

M07775



		6
Item No.	Part Description	Part Number
1	Case, Volute	H00811
2	Impeller	See Table I
7	Ring, Wearing	S05973
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 3/8 x 2-1/4" (See Note)	S23940
69	Washer, Impeller	S34492
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
73C	Gasket, Seal Retainer	S16411
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
801B	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
802A	Nut, Hex 3/8 - 16 (2 Req.)	S23343
802B	Nut, Hex 5/8 - 11 (12 Req.)	S23109
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
820	Connector, Comp. Fitting (2 Req.)	S24013
822	Tubing, Copper	S20677
•	Plug, Pipe 1/8 NPT (Not Illustrated)	S23714
•	Plug, Pipe 1/4 NPT (Not Illustrated)	S23715

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03936	12-1/2"	1-5/8"	364JP
75	3	H03936	12-1/2"	1-5/8"	365JP



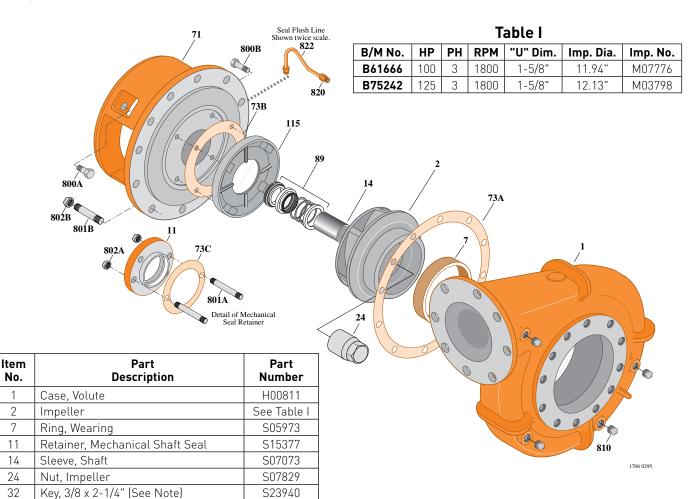
### **BERKELEY**® B8GPBMS

### Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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See Table II

S06271 S09943

S16411

S32016

S14065

S27001

S26830

S04438

S24061

S23343

S23109

S23717

S24013

S20677

S14692

S23714

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03936	12-1/2"	1-5/8"	404TC
125	3	H03936	12-1/2"	1-5/8"	405TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



2

7

11

14

24

32

73A

73B

73C

89

115

A008

800B

801A

801B

802A

802B

810

820

822

Bracket

Gasket, Volute Case

Gasket, Balance Ring

Gasket, Seal Retainer

Ring, Balance

Tubing, Copper

Seal, Mechanical Shaft

Capscrew, 5/8 - 11 x 1-3/4" (8 Req.)

Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)

Stud, 3/8 - 16 x 2-1/2" (2 Req.)

Stud, 5/8 - 11 x 2-1/4" (12 Req.)

Connector, Comp. Fitting (2 Req.)

Plug, Pipe 1/4 NPT (Not Illustrated)

Plug, Pipe 1/8 NPT (Not Illustrated)

Nut, Hex 3/8 - 16 (2 Req.)

Nut, Hex 5/8 - 11 (12 Req.)

Plug, Pipe 1/2 NPT (4 Reg.)

### BERKELEY® B8GPBM Silicon Bronze Impeller

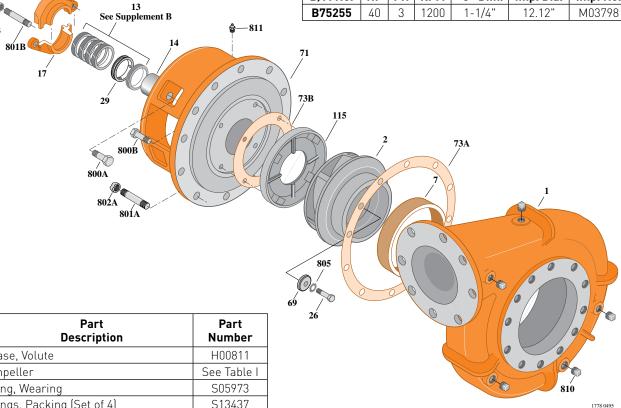
Flanged Case, Packing Construction

#### FLECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B75255	40	3	1200	1-1/4"	12.12"	M03798



#### Case, Volute Impeller Ring, Wearing Rings, Packing (Set of 4) 13 S13437 14 Sleeve, Shaft S07073 17 Gland, Packing B82471 Screw, Impeller 1/2 - 13 x 1-1/4" 26 S23621 29 Ring, Lantern S19198 Key, 3/8 x 2-1/4" (See Note) S23940 32 69 Washer, Impeller S34492 71 Bracket See Table II 73A Gasket, Volute Case S06271 73B Gasket, Balance Ring S09943 Ring, Balance 115 S14065 800A Capscrew, 5/8 - 11 x 1-3/4" (4 Req.) S27001 800B Capscrew, 3/8 - 16 x 1-1/2" (4 Req.) S26830 Stud, 5/8 - 11 x 2-1/4" (12 Req.) 801A S24061 801B Stud, 3/8 - 16 x 2-1/2" (2 Req.) S04438 Nut, Hex 5/8 - 11 (12 Req.) S23109 802A 802B Nut, Hex 3/8 - 16 (2 Req.) S23343 805 Washer, Lock S23038

S23717

S23700

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03622	12-1/2"	1-1/4"	364TCZ

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



810

Item

No.

Fitting, Grease

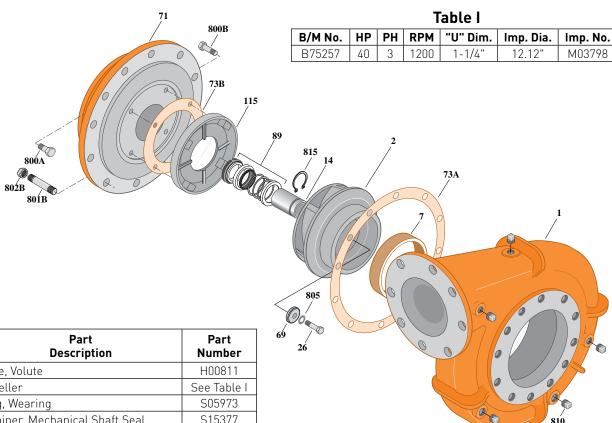
Plug, Pipe 1/2" NPT (5 Reg.)

### **BERKELEY**® B8GPBMS Silicon Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### ELECTRIC MOTOR DRIVE

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No.	Description	Number
1	Case, Volute	H00811
2	Impeller	See Table I
7	Ring, Wearing	S05973
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 3/8 x 2-1/4" (See Note)	S23940
69	Washer, Impeller	S34492
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
73C	Gasket, Mechanical Shaft Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
801B	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
802A	Nut, Hex 3/8 - 16 (2 Req.)	S23343
802B	Nut, Hex 5/8 - 11 (12 Req.)	S23109
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (5 Req.)	S23717
•	Plug, Pipe 1/8" NPT(In Bracket)(2 Reg.)	S23714

• Not illustrated.

Item

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03301	12-1/2"	1-1/4"	364JMZ

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



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### **BERKELEY**® B8GPBMS Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

800B

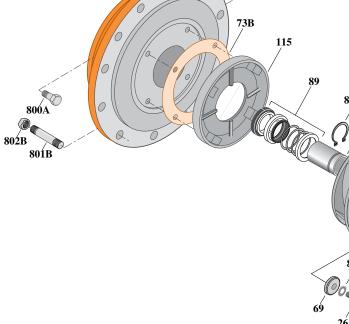
#### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B76785	40	3	1800	1-1/4"	8.62"x10.18"	M11573
B76786	50	3	1800	1-1/4"	9.44"x10.62"	M11574

73A



Item No.	Part Description	Part Number		
1	Case, Volute	H00811		
2	Impeller	See Table I		
7	Ring, Wearing	S05973		
14	Sleeve, Shaft	S18869		
26	Screw, Impeller 1/2 - 13 x 2-3/4"	S23630		
32	Key, 1/4 x 2-1/4" (See Note)	S23677		
69	Washer, Impeller	S06319		
71	Bracket	See Table II		
73A	Gasket, Volute Case	S06271		
73B	Gasket, Balance Ring	S09943		
89	Seal, Mechanical Shaft	S32015		
115	Ring, Balance	S19073		
800A	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999		
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826		
801	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061		
802	802 Nut, Hex 5/8 - 11 (12 Req.)			
805	805 Washer, Lock			
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717		
815	Ring, Retaining	S16767		

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03301	12-1/2"	1-1/4"	324JM
50	3	H03301	12-1/2"	1-1/4"	326JM

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



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# BERKELEY® B8GPBMS

# Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

#### FLECTRIC MOTOR DRIVE

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Imp. Dia.

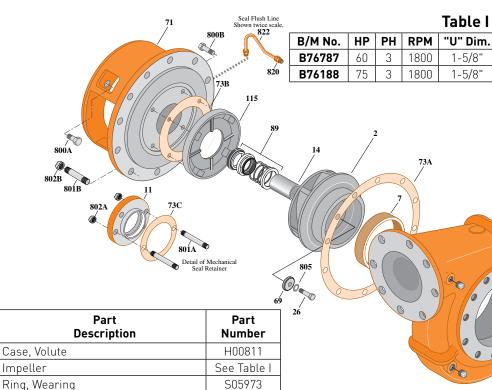
10.00"x10.75"

10.81"x11.38"

Imp. No.

M11575

M11576



S20677

S23714

S23715

#### 11 Retainer, Mechanical Shaft Seal S15377 14 Sleeve, Shaft S07073 Screw, Impeller 1/2 - 13 x 1-1/4" 26 S23621 Key, 3/8 x 2-1/4" (See Note) S23940 69 Washer, Impeller S34492 71 Bracket See Table II 73A Gasket, Volute Case S06271 73B Gasket, Balance Ring S09943 Gasket, Seal Retainer 73C S16411 89 Seal, Mechanical Shaft S32016 Ring, Balance S14065 115 800A Capscrew, 5/8 - 11 x 1-3/4" (4 Req.) S27001 Capscrew, 3/8 - 16 x 1-1/2" (4 Req.) 800B S26830 Stud, 3/8 - 16 x 2-1/2" (2 Req.) 801A S04438 801B Stud, 5/8 - 11 x 2-1/4" (12 Req.) S24061 802A Nut, Hex 3/8 - 16 (2 Req.) S23343 802B Nut, Hex 5/8 - 11 (12 Req.) S23109 805 Washer, Lock S23038 Plug, Pipe 1/2 NPT (4 Reg.) 810 S23717 820 Connector, Comp. Fitting (2 Req.) S24013

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03936	12-1/2"	1-5/8"	364JP
75	3	H03936	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



822

Item

No.

2

Tubing, Copper

Plug, Pipe 1/8 NPT (Not Illustrated)

Plug, Pipe 1/4 NPT (Not Illustrated)

# **BERKELEY**® B8GPBMS

# Bronze Impeller

Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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1706 0295

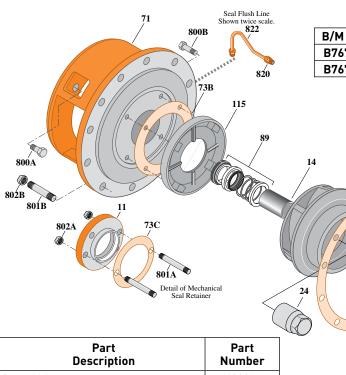


Table I								
B/M No.   HP   PH   RPM   "U" Dim.   Imp. Dia.   Imp. No.								
B76789	100	3	1800	1-5/8"	11.94"	M11577		
B76790	125	3	1800	1-5/8"	12.13"	M11578		

Item	Part	Part
No.	Description	Number
1	Case, Volute	H00811
2	Impeller	See Table I
7	Ring, Wearing	S05973
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
24	Nut, Impeller	S07829
32	Key, 3/8 x 2-1/4" (See Note)	S23940
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
73C	Gasket, Seal Retainer	S16411
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (8 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
801B	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
802A	Nut, Hex 3/8 - 16 (2 Req.)	S23343
802B	Nut, Hex 5/8 - 11 (12 Req.)	S23109
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
820	Connector, Comp. Fitting (2 Req.)	S24013
822	Tubing, Copper	S20677
•	Plug, Pipe 1/4 NPT (Not Illustrated)	S14692
•	Plug, Pipe 1/8 NPT (Not Illustrated)	S23714

## Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03936	12-1/2"	1-5/8"	404TC
125	3	H03936	12-1/2"	1-5/8"	405TC



See Supplement B

Flanged Case, Packing Construction

800A

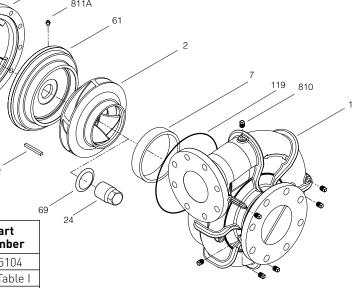
800C

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B85772	100	3	1800	12.06"	M15646
B85770	125	3	1800	12.88"	M15191
B85768	150	3	1800	13.50"	M15106



Item	Part	Part
No.	Description	Number
1	Case, Volute	M15104
2	Impeller (Note 1)	See Table I
7	Ring, Wearing	M15126
13	Rings, Packing (Set of 6)	S16448
14	Sleeve, Shaft (Note 2)	S29517L
17	Gland, Packing (2 rqd)	M05311
24	Locknut, Impeller	S07829
29	Ring, Lantern	S14330
32	Key, Impeller 1/2 x 2-3/8" 150HP	M15123
32A	Key, Impeller 3/8 x 2" 100 & 125HP	M15124
61	Plate, Seal	M15111
69	Washer, Impeller	M15232
71	Bracket	See Table II
119	0-Ring	M15130
800A	Capscrew, 5/8 - 11 x 1-1/2" (8 rqd)	S28427
800C	Stud (12 rqd)	M15388
801	Stud, 1/2 - 13 x 2-1/2" (2 rqd)	S24358
*	Nut, Hex (12 rqd)	S23109
802	Nut, Hex, Lock, 1/2 - 13 (2 rqd)	S23347
810	Plug, Pipe (7 rqd)	S23717
811A	Fitting, Grease	S23700
*	Slinger, Water	M15129

<sup>\*</sup> Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	M15114	12.5"	1.625"	404TCZ
125	3	M15114	12.5"	1.625"	405TCZ
150	3	M15113	16.0"	2.1875"	444TY

**NOTE 1:** Impeller kit **B85813** includes items 2, 24, 32, 69, 119. Impeller (Ref. 2) is full diameter.

**NOTE 2:** Shaft sleeve kit **B85812** includes items 14, 24, 32, 69, 119, adhesive and instruction sheet.



Flanged Case, Packing Construction

802

801

17

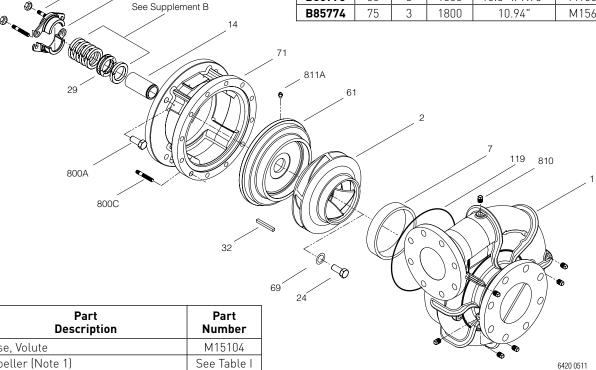
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### ELECTRIC MOTOR DRIVE

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#### Table I

В/М	No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B857	776	60	3	1800	10.5" x 9.75"	M15648
B857	774	75	3	1800	10.94"	M15647



Item No.	Part Description	Part Number
1	Case, Volute	M15104
2	Impeller (Note 1)	See Table I
7	Ring, Wearing	M15126
13	Rings, Packing (Set of 5)	S13437
14	Sleeve, Shaft (Note 2)	M15120
17	Gland, Packing (2 rqd)	M13598
24	Capscrew, Impeller	S23623
29	Ring, Lantern	S19198
32	Key, Impeller 3/8 x 3/8 x 2"	M15124
61	Plate, Seal	M15112
69	Washer, Impeller	M15231
71	Bracket	See Table II
119	0-Ring	M15130
800A	Capscrew, 5/8 - 11 x 1-1/2" (8 rqd)	S28427
800C	Stud (12 rqd)	M15388
801	Stud, 3/8 - 16 x 2" (2 rqd)	S24335
*	Nut, Hex (12 rqd)	S23109
802	Nut, Hex, Lock, 3/8 - 16 (2 rqd)	S23343
810	Plug, Pipe	S23717
811A	Fitting, Grease	S23700
*	Slinger, Water	M15128

<sup>\*</sup> Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	M15114	12.5"	1.625"	364JP
75	3	M15114	12.5"	1.625"	365TCZ

**NOTE 1:** Impeller kit **B85823** includes items 2, 24, 32, 69, 119. Impeller (Ref. 2) is full diameter.

**NOTE 2:** Shaft sleeve kit **B85815** includes items 14, 24, 32, 69, 119, adhesive and instruction sheet.



# **BERKELEY**® B8JPBHS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B85773	100	3	1800	12.06"	M15646
B85771	125	3	1800	12.88"	M15191
B85769	150	3	1800	13.50"	M15106
· ·					

		10A	B85771	125	3	1800	12.88"	M15191
	\$	_61	B85769	150	3	1800	13.50"	M15106
	300A 000C		13 See Supplement B  14		2		7 119 810	1
1	Part Description	Part Number			\			
	Case, Volute	M15104						
_	Impeller (Note 1)	See Table I				•		
	i iiiibettei iivote ii	i see iable i i					•	

Item No.	Part Description	Part Number
1	Case, Volute	M15104
2	Impeller (Note 1)	See Table I
7	Ring, Wearing	M15126
13	Seal, Shaft	S32697
14	Sleeve, Shaft (Note 2)	S29517L
24	Locknut, Impeller	S07829
32	Key, Impeller 1/2 x 2-3/8" 150HP	M15123
32A	Key, Impeller 3/8 x 2" 100 & 125HP	M15124
61	Plate, Seal	M15108
69	Washer, Impeller	M15232
71	Bracket	See Table II
119	0-Ring	M15130
800A	Screw, 5/8 - 11 x 1-3/4" (8 rqd.)	S28427
800C	Stud (12 rqd)	M15388
*	Nut, Hex (12 rqd)	S23109
810	Plug, Pipe 1/2 NPT (7 rqd)	S23717
810A	Plug, Pipe	S23714
817	Ring, Retaining	S29519
*	Slinger, Water	M15129

<sup>\*</sup> Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	M15114	12.5"	1.625"	404TCZ
125	3	M15114	12.5"	1.625"	405TCZ
150	3	M15113	16.0"	2.1875"	444TCY

**NOTE 1:** Impeller kit **B85813** includes items 2, 24, 32, 69, 119. Impeller (Ref. 2) is full diameter.

**NOTE 2:** Shaft sleeve kit **B85812** includes items 14, 24, 32, 69, 119, adhesive and instruction sheet.

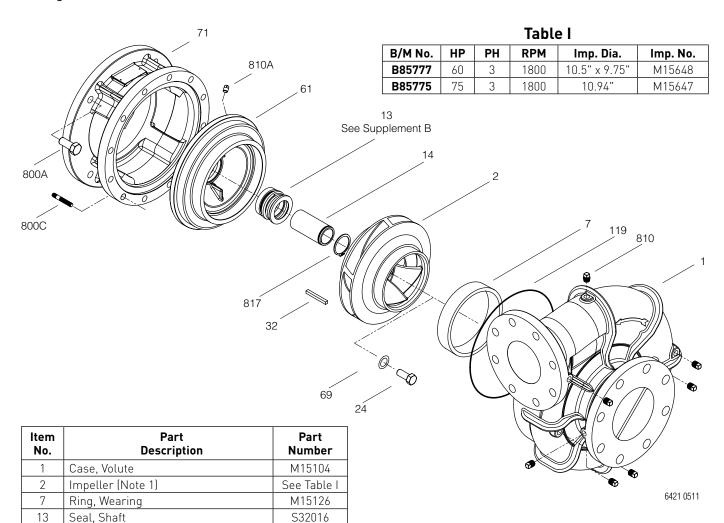


# **BERKELEY**® B8JPBHS Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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M15120

S23623

M15124

M15109

M15231

#### 71 See Table II **Bracket** 119 0-Ring M15130 800A Capscrew, 5/8 - 11 x 1-1/2" (8 rqd.) S28427 Stud (12 rqd) M15388 800C Nut, Hex (12 rqd) S23109 810 Plug, Pipe 1/2 NPT S23717 810A Plug, Pipe S23714 817 Ring, Retaining M15131 M15128 Slinger, Water

Sleeve, Shaft (Note 2)

Capscrew, Impeller

Key, 3/8 x 2-3/8"

Washer, Impeller

Plate, Seal

14

24

32

61 69

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	M15114	12.5"	1.625"	364JP
75	3	M15114	12.5"	1.625"	365TCZ

**NOTE 1:** Impeller kit **B85823** includes items 2, 24, 32, 69, 119. Impeller (Ref. 2) is full diameter.

**NOTE 2:** Shaft sleeve kit **B85815** includes items 14, 24, 32, 69, 119, adhesive and instruction sheet.



<sup>\*</sup> Not illustrated.

13 See Supplement B

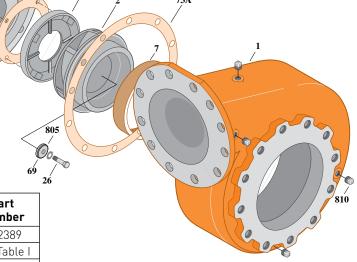
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B53865	20	3	1200	1-1/4"	7.88"x10.81"	L06204
B50611	25	3	1200	1-1/4"	8.31"x11.50"	L06203
B50612	30	3	1200	1-1/4"	9.50"x12.12"	L04240



Item No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
13	Rings, Packing (Set of 4)	S13435
14	Sleeve, Shaft	S05149
17	Gland, Packing	B82470
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23629
29	Ring, Lantern	S19200
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	H01601	12-1/2"	1-1/4"	286JP
25	3	H01601	12-1/2"	1-1/4"	324JP
30	3	H01601	12-1/2"	1-1/4"	326JP



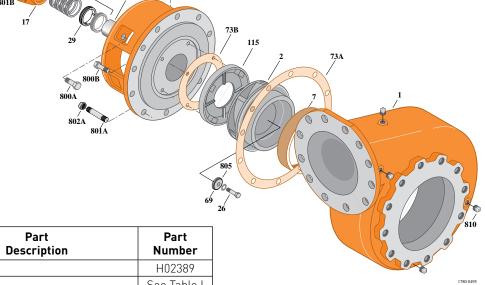
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56007	60	3	1800	1-5/8"	8.12"x10.12"	L06205
B56008	75	3	1800	1-5/8"	8.75"x10.75"	L06206



811-

Item No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82471
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23621
29	Ring, Lantern	S19198
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S34492
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2" (12 Req.)	S24060
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421
•	Plug, Pipe 1/4 NPT (2 Req.) (Not Illustrated)	S23715

#### Table II

HP	РН	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03622	12-1/2"	1-5/8"	364JP
75	3	H03622	12-1/2"	1-5/8"	365JP



13 See Supplement B

811−\$

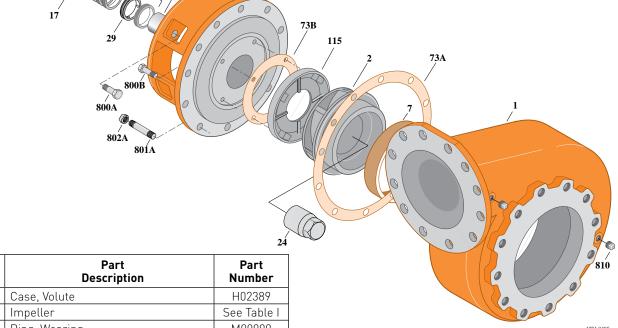
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B56009	100	3	1800	1-5/8"	9.38"x11.75"	L06207
B56010	125	3	1800	1-5/8"	9.50"x12.12"	L04123



Item No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82471
24	Nut, Impeller	S07829
29	Ring, Lantern	S19198
32	Key, 3/8 x 2-1/4" (See Note)	S23940
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2" (12 Req.)	S24060
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
810	Plug, Pipe 1/2 NPT (5 Req.)	S23717
811	Fitting, Grease	S23700
812	Elbow, Street	S25421
•	Plug, Pipe 1/4 NPT (2 Req.) (Not Illustrated)	S23715

#### Table II

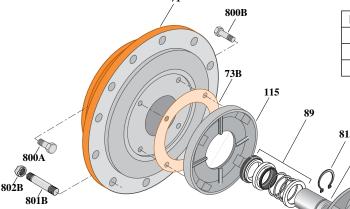
HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03622	12-1/2"	1-5/8"	404TC
125	3	H03622	12-1/2"	1-5/8"	405TC



Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

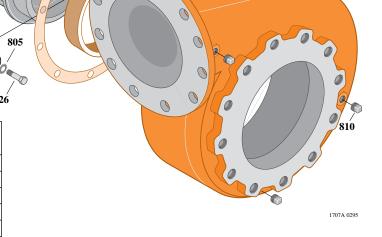
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B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B54234	20	3	1200	1-1/4"	7.88"x10.81"	L06204
B54235	25	3	1200	1-1/4"	8.31"x11.50"	L06203
B54236	30	3	1200	1-1/4"	9.50"x12.12"	L04240

Table I

ltem No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
14	Sleeve, Shaft	S18869
26	Screw, Impeller 1/2 - 13 x 2-1/2"	S23629
32	Key, 1/4 x 2-1/4" (See Note)	S23677
69	Washer, Impeller	S06319
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
89	Seal, Mechanical Shaft	S32015
115	Ring, Balance	S19073
800A	Capscrew, 5/8 - 11 x 1-1/2" (4 Req.)	S26999
800B	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 5/8 - 11 x 2-1/4" (12 Req.)	S24061
802	Nut, Hex 5/8 - 11 (12 Req.)	S23109
805	Washer, Lock	S23038
810	Plug, Pipe 1/2 NPT (4 Req.)	S23717
815	Ring, Retaining	S16767
•	Ring Spacer (Not Illustrated)	S19349



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
20	3	H03301	12-1/2"	1-1/4"	286JM
25	3	H03301	12-1/2"	1-1/4"	324JM
30	3	H03301	12-1/2"	1-1/4"	326JM



Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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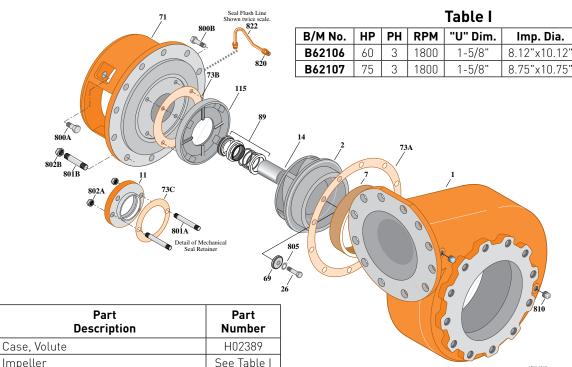
Imp. Dia.

8.12"x10.12"

Imp. No.

L06205

L06206



S19349

#### Impeller M00999 Ring, Wearing 11 Retainer, Mechanical Shaft Seal S15377 14 Sleeve, Shaft S07073 Screw, Impeller 1/2 - 13 x 1-1/4" 26 S23621 Key, 1/4 x 2-1/4" (See Note) S23677 69 Washer, Impeller S34492 71 Bracket See Table II 73A Gasket, Volute Case S06271 73B Gasket, Balance Ring S09943 Gasket, Seal Retainer 73C S16411 Seal, Mechanical Shaft S32016 Ring, Balance S14065 115 800A Capscrew, 5/8 - 11 x 1-3/4" (4 Req.) S27001 Capscrew, 3/8 - 16 x 1-1/2" (4 Req.) 800B S26830 Stud, 3/8 - 16 x 2-1/2" (2 Req.) 801A S04438 801B Stud, 5/8 - 11 x 2" (12 Req.) S24060 802A Nut, Hex 3/8 - 16 (2 Req.) S23343 802B Nut, Hex 5/8 - 11 (12 Req.) S23109 Washer, Lock S23038 Plug, Pipe 1/2 NPT (5 Reg.) S23717 810 820 Connector, Comp. Fitting (2 Req.) S24013 822 Tubing, Copper S20677 Plug, Pipe 1/8 NPT (Not Illustrated) S23714

Plug, Pipe 1/4 NPT (Not Illustrated)

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
60	3	H03936	12-1/2"	1-5/8"	364JP
75	3	H03936	12-1/2"	1-5/8"	365JP

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to Supplement A located at the beginning of this section.



ltem

No.

Table I

1-5/8"

1-5/8"

# BERKELEY® B10GPBMS

# Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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Imp. Dia.

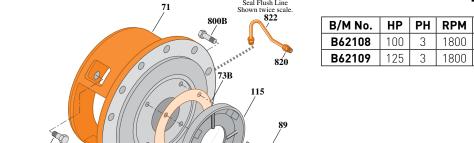
9.38"x11.75"

9.50"x12.12"

Imp. No.

L06207

L04123



Item Part Part No. Description Number

1 Case, Volute H02389
2 Impeller See Table I
7 Ring, Wearing M00999
11 Retainer Mechanical Shaft Seal S15377

S20677

S23714

S19349

#### 11 Retainer, Mechanical Shaft Seal S15377 14 Sleeve, Shaft S07073 24 Nut, Impeller S07829 32 Key, 3/8 x 2-1/4" (See Note) S23940 See Table II Bracket 73A Gasket, Volute Case S06271 S09943 73B Gasket, Balance Ring 73C Gasket, Seal Retainer S16411 89 Seal, Mechanical Shaft S32016 115 Ring, Balance S14065 A008 Capscrew, 5/8 - 11 x 1-3/4" (4 Req.) S27001 Capscrew, 3/8 - 16 x 1-1/2" (4 Req.) 800B S26830 801A Stud, 3/8 - 16 x 2-1/2" (2 Req.) S04438 801B Stud, 5/8 - 11 x 2" (12 Req.) S24060 802A Nut, Hex 3/8 - 16 (2 Req.) S23343 802B Nut, Hex 5/8 - 11 (12 Req.) S23109 Plug, Pipe 1/2 NPT (5 Reg.) 810 S23717 820 Connector, Comp. Fitting (2 Req.) S24013

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	H03936	12-1/2"	1-5/8"	404TC
125	3	H03936	12-1/2"	1-5/8"	405TC

**NOTE:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.



822

Tubing, Copper

Plug, Pipe 1/8 NPT (Not Illustrated)

Plug, Pipe 1/4 NPT (Not Illustrated)

13 See Supplement B

811-

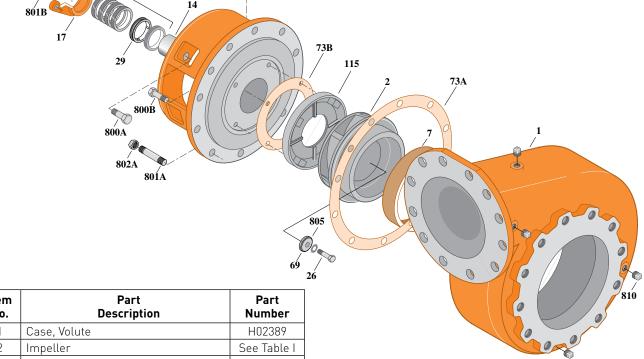
Flanged Case, Packing Construction

## ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	"U" Dim.	Imp. Dia.	Imp. No.
B75261	40	3	1200	1-5/8"	9.50"x12.12"	L04123



Item No.	Part Description	Part Number
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
13	Rings, Packing (Set of 4)	S13437
14	Sleeve, Shaft	S07073
17	Gland, Packing	B82471
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
29	Ring, Lantern	S19198
32	Key, 3/8 x 2-1/4" (See Note)	S23940
69	Washer, Impeller	S34492
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 5/8 - 11 x 2" (12 Req.)	S24060
801B	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
802A	Nut, Hex 5/8 - 11 (12 Req.)	S23109
802B	Nut, Hex 3/8 - 16 (2 Req.)	S23343
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (5 Req.)	S23717
811	Fitting, Grease	S23700

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03622	12-1/2"	1-5/8"	364TCZ



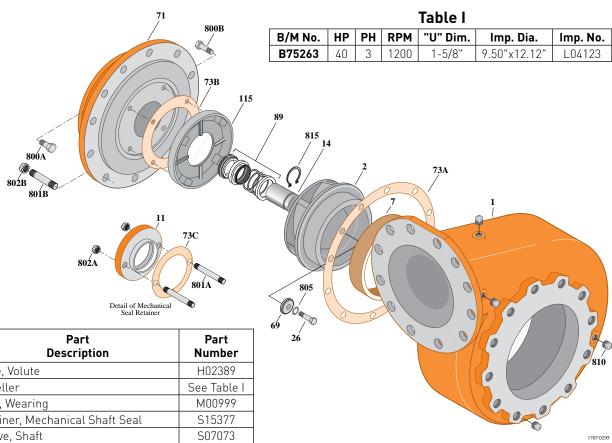
# BERKELEY® B10GPBMS

# Cast Iron Impeller

Flanged Case, Mechanical Shaft Seal Construction

## ELECTRIC MOTOR DRIVE

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1	•	
1	Case, Volute	H02389
2	Impeller	See Table I
7	Ring, Wearing	M00999
11	Retainer, Mechanical Shaft Seal	S15377
14	Sleeve, Shaft	S07073
26	Screw, Impeller 1/2 - 13 x 1-1/4"	S23621
32	Key, 3/8 x 2-1/4" (See Note)	S23490
69	Washer, Impeller	S34492
71	Bracket	See Table II
73A	Gasket, Volute Case	S06271
73B	Gasket, Balance Ring	S09943
73C	Gasket, Mechanical Shaft Seal Retainer	S15078
89	Seal, Mechanical Shaft	S32016
115	Ring, Balance	S14065
800A	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800B	Capscrew, 3/8 - 16 x 1-1/2" (4 Req.)	S26830
801A	Stud, 3/8 - 16 x 2-1/2" (2 Req.)	S04438
801B	Stud, 5/8 - 11 x 2" (12 Req.)	S24060
802A	Nut, Hex 3/8 - 16 (2 Req.)	S23343
802B	Nut, Hex 5/8 - 11 (12 Req.)	S23109
805	Washer, Lock	S23038
810	Plug, Pipe 1/2" NPT (5 Req.)	S23717
•	Plug, Pipe 1/8" NPT(In Bracket)(2 Req.)	S23714

<sup>•</sup> Not illustrated.

Item

No.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
40	3	H03936	12-1/2"	1-5/8"	364JMZ

**NOTE 1:** For an explanation of the tabulated material found on this page and for impeller key location, refer to **Supplement A** located at the beginning of this section.

NOTE 2: For seal flush line details, see Supplement D.



801

See Supplement B

Flanged Case, Packing Construction

800A

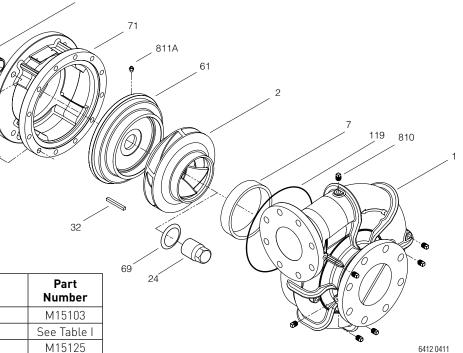
800C

### ELECTRIC MOTOR DRIVE

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#### Table I

B/N	1 No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B8	5760	150	3	1800	12.50"	M15622
B8!	5758	200	3	1800	13.50"	M15105



Item No.	Part Description	Part Number
1	Case, Volute	M15103
2	Impeller (Note 1)	See Table I
7	Ring, Wearing	M15125
13	Rings, Packing (Set of 5)	S16448
14	Sleeve, Shaft (Note 2)	S29517L
17	Gland, Packing (2 rqd)	M05311
24	Locknut, Impeller	S07829
29	Ring, Lantern	S14330
32	Key, Impeller 1/2 x 2-3/4"	M15123
61	Plate, Seal	M15110
69	Washer, Impeller	M15232
71	Bracket	See Table II
119	0-Ring	M15130
800A	Capscrew, 5/8 - 11 x 1-3/4" (8 rqd)	S28427
800C	Stud (12 rqd)	M15388
*	Nut, Hex (12 rqd)	S23490
801	Stud, 3/8 - 16 x 2-1/2" (2 rqd)	S24358
802	Nut, Hex, Lock, 3/8 - 16 (2 rqd)	S23347
810	Plug, Pipe	S23717
811A	Fitting, Grease	S23700
*	Slinger, Water	M15129

<sup>\*</sup> Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
150	3	M15113	16.00"	2.1875"	444TY
200	3	M15113	16.00"	2.1875"	445TY

**NOTE 1:** Impeller kit **B85810** includes items 2, 24, 32, 69, 119. Impeller (Ref. 2) is full diameter.

**NOTE 2:** Shaft sleeve kit **B85812** includes items 14, 24, 32, 69, 119, adhesive and instruction sheet.



Flanged Case, Packing Construction

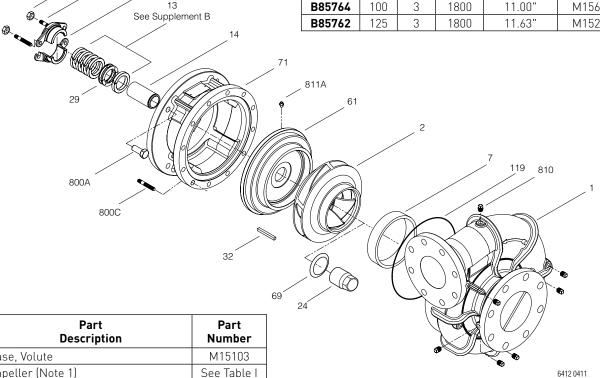
802

### ELECTRIC MOTOR DRIVE

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#### Table I

B/M No.	HP	PH	RPM	Imp. Dia.	Imp. No.
B85764	100	3	1800	11.00"	M15623
B85762	125	3	1800	11.63"	M15223



Item No.	Part Description	Part Number
1	Case, Volute	M15103
2	Impeller (Note 1)	See Table I
7	Ring, Wearing	M15125
13	Rings, Packing (Set of 5)	S13437
14	Sleeve, Shaft (Note 2)	M15120
17	Gland, Packing (2 rqd)	M13598
24	Locknut, Impeller	S07829
29	Ring, Lantern	S19198
32	Key, Impeller 3/8 x 3/8 x 2"	M15124
61	Plate, Seal	M15222
69	Washer, Impeller	M15232
71	Bracket	See Table II
119	0-Ring	M15130
800A	Screw, 5/8 - 11 x 1-3/4" (8 rqd)	S28427
800C	Stud (12 rqd)	M15388
*	Nut, Hex (12 rqd)	S23490
801	Stud, 3/8 - 16 x 2" (2 rqd)	S24335
802	Nut, Hex, Lock, 3/8 - 16 (2 rqd)	S23343
810	Plug, Pipe	S23717
811A	Fitting, Grease	S23700
*	Slinger, Water	M15128

<sup>\*</sup> Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	M15114	12.50"	1.625"	404TCZ
125	3	M15114	12.50"	1.625"	405TCZ

**NOTE 1:** Impeller kit **B85822** includes items 2, 24, 32, 69, 119. Impeller (Ref. 2) is full diameter.

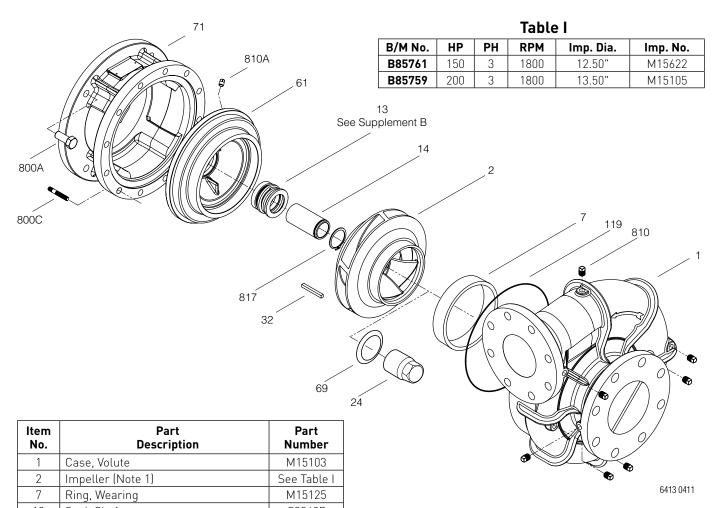
NOTE 2: Shaft sleeve kit B85815 includes items 14, 24, 32, 69, 119, adhesive and instruction sheet.



Flanged Case, Mechanical Shaft Seal Construction

### FLECTRIC MOTOR DRIVE

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#### 13 Seal, Shaft S32697 Sleeve, Shaft (Note 2) S29517L 14 Locknut, Impeller S07829 24 32 Key, 3/8 x 3/8 x 2" M15124 Plate, Seal M15107 61 69 Washer, Impeller M15232 71 See Table II **Bracket** 119 0-Ring M15130 Screw, 5/8 - 11 x 1-1/2" (8 rqd) S28427 Stud (12 rqd) M15388 800C Nut, Hex (12 rqd) S23490 810 Plug, Pipe 1/2 NPT S23717 810A Plug, Pipe S23714 817 Ring, Retaining S29519

M15129

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
150	3	M15113	16.00"	2.1875"	444TY
200	3	M15113	16.00"	2.1875"	445TY

**NOTE 1:** Impeller kit **B85810** includes items 2, 24, 32, 69, 119. Impeller (Ref. 2) is full diameter.

**NOTE 2:** Shaft sleeve kit **B85812** includes items 14, 24, 32, 69, 119, adhesive and instruction sheet.



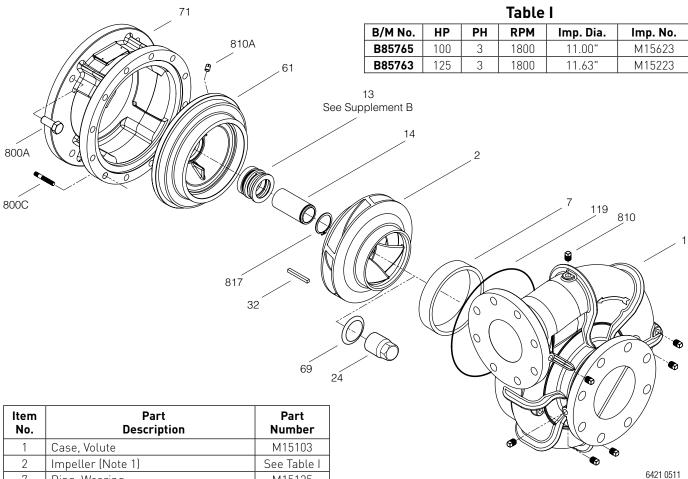
Slinger, Water

<sup>\*</sup> Not illustrated.

Flanged Case, Mechanical Shaft Seal Construction

### ELECTRIC MOTOR DRIVE

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Description	Nullibel
Case, Volute	M15103
Impeller (Note 1)	See Table I
Ring, Wearing	M15125
Seal, Shaft	S32016
Sleeve, Shaft (Note 2)	M15120
Locknut, Impeller	S07829
Key, 3/8 x 3/8 x 2"	M15124
Plate, Seal	M15221
Washer, Impeller	M15232
Bracket	See Table II
0-Ring	M15130
Capscrew, 5/8 - 11 x 1-1/2" (8 rqd)	S28427
Stud (12 rqd)	M15388
Nut, Hex (12 rqd)	S23490
Plug, Pipe 1/2 NPT	S23717
Plug, Pipe	S23714
Ring, Retaining	M15131
Slinger, Water	M15128
	Case, Volute Impeller (Note 1) Ring, Wearing Seal, Shaft Sleeve, Shaft (Note 2) Locknut, Impeller Key, 3/8 x 3/8 x 2" Plate, Seal Washer, Impeller Bracket O-Ring Capscrew, 5/8 - 11 x 1-1/2" (8 rqd) Stud (12 rqd) Nut, Hex (12 rqd) Plug, Pipe 1/2 NPT Plug, Pipe Ring, Retaining

<sup>\*</sup> Not illustrated.

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
100	3	M15114	12.50"	1.625"	404TCZ
125	3	M15114	12.50"	1.625"	405TCZ

**NOTE 1:** Impeller kit **B85822** includes items 2, 24, 32, 69, 119. Impeller (Ref. 2) is full diameter.

**NOTE 2:** Shaft sleeve kit **B85815** includes items 14, 24, 32, 69, 119, adhesive and instruction sheet.

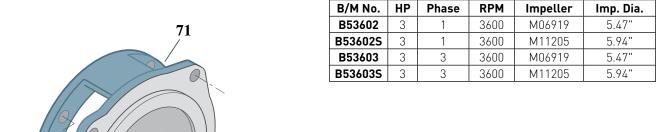


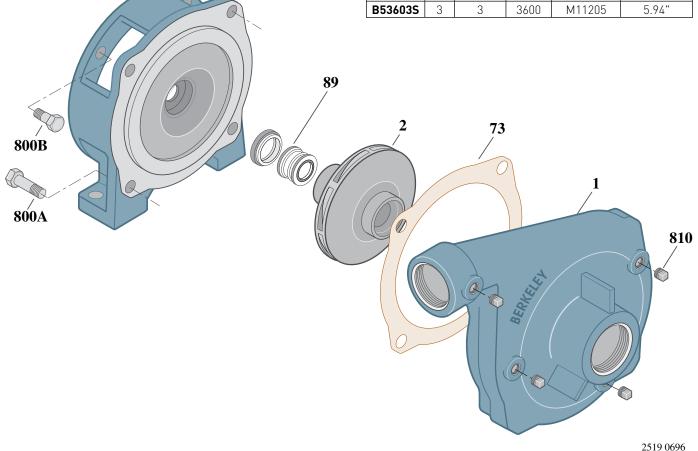
# BERKELEY® C1-1/4TPMS Cast Iron Impeller

Threaded Case (NPT), Mechanical Seal Construction

### ELECTRIC MOTOR DRIVE

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Item No.	Part Description	Part Number
1	Case, Volute	M03011
2	Impeller	See Table I
71	Bracket	L02866
73	Gasket, Case	S07445
89	Seal, Mechanical Shaft	S08019
800A	Capscrew, 5/16 - 18 x 7/8" (4 Req.)	S26783
800B	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
810	Plug, Pipe 1/8 NPT (4 Req.)	S23714



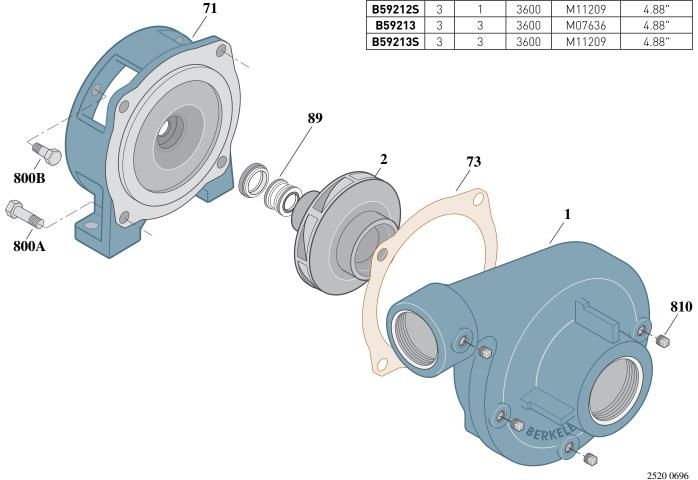
# BERKELEY® C1-1/2TPHS Cast Iron Impeller

Threaded Case (NPT), Mechanical Seal Construction

## ELECTRIC MOTOR DRIVE

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B/M No.	HP	Phase	RPM	Impeller	Imp. Dia.
B59212	3	1	3600	M07636	4.88"
B59212S	3	1	3600	M11209	4.88"
B59213	3	3	3600	M07636	4.88"
B59213S	3	3	3600	M11209	4.88"



Item No.	Part Description	Part Number
1	Case, Volute	L01848
2	Impeller	See Table I
71	Bracket	L02866
73	Gasket, Case	S07445
89	Seal, Mechanical Shaft	S08019
800A	Capscrew, 5/16 - 18 x 7/8" (4 Req.)	S26783
800B	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
810	Plug, Pipe 1/8 NPT (4 Req.)	S23714



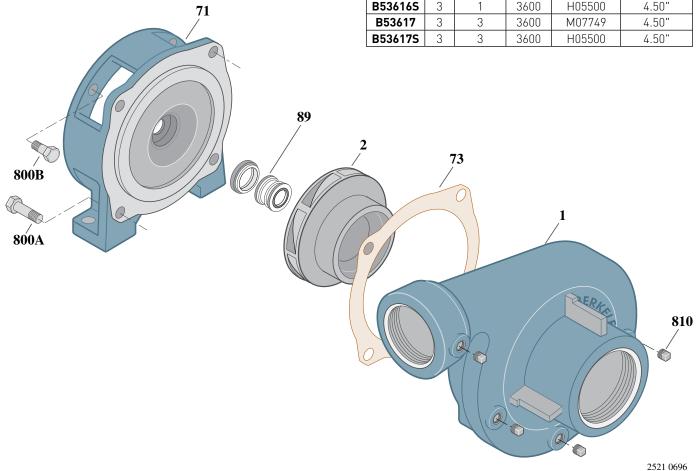
# **BERKELEY**® C2MPS Cast Iron Impeller

Threaded Case (NPT), Mechanical Seal Construction

## ELECTRIC MOTOR DRIVE

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B/M No.	HP	Phase	RPM	Impeller	Imp. Dia.
B53616	3	1	3600	M07749	4.50"
B53616S	3	1	3600	H05500	4.50"
B53617	3	3	3600	M07749	4.50"
B53617S	3	3	3600	H05500	4.50"
		3			



Item No.	Part Description	Part Number
1	Case, Volute	L01861
2	Impeller	See Table I
71	Bracket	L02866
73	Gasket, Case	S07445
89	Seal, Mechanical Shaft	S08019
800A	Capscrew, 5/16 - 18 x 7/8" (4 Req.)	S26783
800B	Capscrew, 3/8 - 16 x 7/8" (4 Req.)	S26825
810	Plug, Pipe 1/8 NPT (4 Req.)	S23714



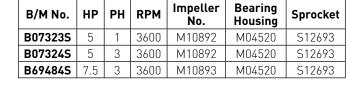
# **BERKELEY**® B1-1/2XPBS Bronze Impeller

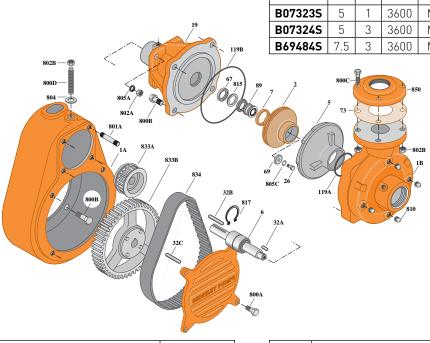
# Threaded Case (NPT), Mechnical Seal Construction

## HIGH PRESSURE MOTOR DRIVE

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#### Table I





Item No.	Part Description	Part Number
1A	Case, Drive	L03332
1B	Case, Volute	L03030
2	Impeller	See Table I
5	Diffuser	L07986
6	Shaft and Bearing Assembly	S12863
7	Ring, Wear	S03314
9	Cover, Drive Case	M04689
19	Housing, Bearing	See Table I
26	Screw, Impeller 1/4 - 20 x 1"	S23512
32A	Key, 3/16 x 3/4"	U65-2SS
32B	Key, 3/16 x 1-3/4"	S24153
32C	Key, 5/16 x 2"	S24240
67	Spacer, Impeller	S00512
69	Washer, Impeller	S16745
73	Gasket, Flange	S10361
89	Seal, Mechanical Shaft	S22380
119A	Quadring	S13933
119B	0-Ring	S13932
800A	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826

Item No.	Part Description	Part Number
800B	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800C	Capscrew, 1/2 - 13 x 2" (4 Req.)	S26920
800D	Screw, Set 1/2 - 13 x 3"	S32407
801	Stud, 3/8 - 16 x 1-1/4" (4 Req.)	S23994
802A	Nut, Hex 3/8-16 (4 Req.)	S23103
802B	Nut, Hex 1/2-13 (5 Req.)	S23107
804A	Washer, Flat 1/2 ID x 1-1/16 0D	S23052
805A	Washer, Lock, 3/8 (8 Req.)	S23076
805B	Washer, Lock, 1/2 (4 Req.)	S23091
805C	Washer, Lock, External Tooth	S23034
810	Plug, Pipe 1/4 NPT (7 Req.)	S23715
815	Ring, Seal Retaining	S11894
817	Ring, Retaining, Internal	S23022
833A	Sprocket, Timing Belt	S12694
833B	Sprocket, Timing Belt	See Table I
834	Timing Belt	S12691
850	Flange, Companion	S11785
•	Tubing, 3/8	S22480
•	Connector, Tubing (2 Req.)	S24017

• Not illustrated.



# **BERKELEY**® B1-1/2XPBS Brass Impeller

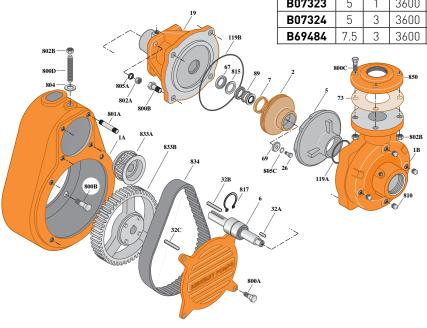
Threaded Case (NPT), Mechnical Seal Construction

## HIGH PRESSURE MOTOR DRIVE

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#### Table I





Item No.	Part Description	Part Number
1A	Case, Drive	L03332
1B	Case, Volute	L03030
2	Impeller	See Table I
5	Diffuser	L03112
6	Shaft and Bearing Assembly	S12863
7	Ring, Wear	S03314
9	Cover, Drive Case	M04689
19	Housing, Bearing	See Table I
26	Screw, Impeller 1/4 - 20 x 1"	S23512
32A	Key, 3/16 x 3/4"	U65-2SS
32B	Key, 3/16 x 1-3/4"	S24153
32C	Key, 5/16 x 2"	S24240
67	Spacer, Impeller	S00512
69	Washer, Impeller	S16745
73	Gasket, Flange	S10361
89	Seal, Mechanical Shaft	S22380
119A	Quadring	S13933
119B	0-Ring	S13932
800A	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826

Item No.	Part Description	Part Number
800B	Capscrew, 1/2 - 13 x 1-1/4" (8 Req.)	S26914
800C	Capscrew, 1/2 - 13 x 2" (4 Req.)	S26920
800D	Screw, Set 1/2 - 13 x 3"	S32407
801	Stud, 3/8 - 16 x 1-1/4" (4 Req.)	S23994
802A	Nut, Hex 3/8-16 (4 Req.)	S23103
802B	Nut, Hex 1/2-13 (5 Req.)	S23107
804A	Washer, Flat 1/2 ID x 1-1/16 0D	S23052
805A	Washer, Lock, 3/8 (8 Req.)	S23076
805B	Washer, Lock, 1/2 (4 Req.)	S23091
805C	Washer, Lock, External Tooth	S23034
810	Plug, Pipe 1/4 NPT (7 Req.)	S23715
815	Ring, Seal Retaining	S11894
817	Ring, Retaining, Internal	S23022
833A	Sprocket, Timing Belt	S12694
833B	Sprocket, Timing Belt	See Table I
834	Timing Belt	S12691
850	Flange, Companion	S11785
•	Tubing, 3/8	S22480
•	Connector, Tubing (2 Req.)	S24017

• Not illustrated.



# **BERKELEY**® B2XPKS

# ELECTRIC MOTOR DRIVE SELF PRIME

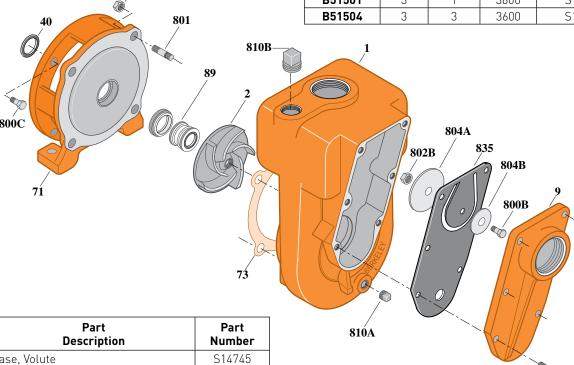
# Cast Iron Impeller

Threaded Case (NPT), Mechanical Seal Construction

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**800A** 2508 0596

B/M No.	HP	PH	RPM	Imp. No.
B51499	1.5	1	3600	S11486
B51502	1.5	3	3600	S11486
B51500	2	1	3600	S11484
B51503	2	3	3600	S11484
B51501	3	1	3600	S11485
B51504	3	3	3600	S11485



Item No.	Part Description	Part Number
1	Case, Volute	S14745
2	Impeller	See Table I
9	Cover, Suction	M05420
40	Slinger, Water	S05222
71	Bracket	M02725
73	Gasket	S04728
89	Seal, Mechanical Shaft	S20990
800A	Capscrew, 5/16 - 18 x 7/8" (6 Req.)	S26783
800B	Capscrew, 1/4 - 20 x 1/2"	S23117
800C	Capscrew, 3/8 - 16 x 3/4" (4 Req.)	S26824
801	Stud, 3/8 - 16 x 1-1/4" (4 Req.)	S23994
802A	Nut, Hex 3/8 - 16 (4 Req.)	S23103
802B	Nut, Hex 1/4 - 20	S23100
804A	Weight, Clack	S14673
804B	Weight, Clack	S14676
810A	Plug, Pipe 1/4 NPT	S14692
810B	Plug, Pipe 1 NPT	S14693
835	Clack, Rubber	M05424

# **BERKELEY**® B3TPKS

# BATPKS ELECTRIC MOTOR DRIVE SELF PRIME

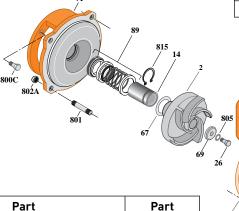
# Cast Iron Impeller

Threaded Case (NPT), Mechanical Seal Construction

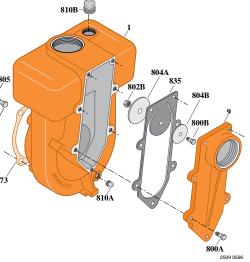
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#### Table I

B/M No.	HP	PH	RPM	Imp. No.
B60761	1.5	1	1800	M07240
B60762	1.5	3	1800	M07240
B60763	2	1	1800	M07239
B60764	2	3	1800	M07239
B60765	3	1	1800	M07232
B60766	3	3	1800	M07232



Item No.	Part Description	Part Number
1	Case, Volute	H03741
2	Impeller	See Table I
9	Cover, Suction	L05748
14	Sleeve, Shaft	S19310L
26	Screw, Impeller	S23568
32	Key, 3/16 x 1-1/4"	S34383
67	Spacer, Impeller	S15405
69	Washer, Impeller Lock	S06314
71	Bracket	See Table II
73	Gasket	S04757
73	Gasket (As required)	S15049
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1-1/4" (7 Req.)	S26828
800B	Capscrew, 3/8 - 16 x 3/4"	S26824
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16	S23103
804A	Weight, Clack	S15325
804B	Weight, Clack	S14843
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT	S23715
810B	Plug, Pipe 1-1/4 NPT	S23694
815	Ring, Retaining	S11207
835	Clack, Rubber	L05749



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
1.5	1	L05329	4-1/2"	7/8"	145JM
1.5	3	L05329	4-1/2"	7/8"	145JM
2	1	L05329	4-1/2"	7/8"	182JM
2	3	L05329	4-1/2"	7/8"	145JM
3	1	L05329	4-1/2"	7/8"	184JM
3	3	L05329	4-1/2"	7/8"	182JM



# **BERKELEY**® B3TPKS

## ELECTRIC MOTOR DRIVE SELF PRIME

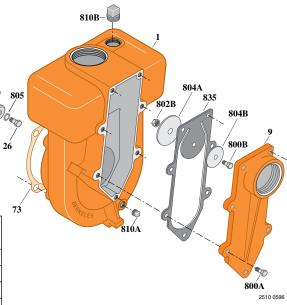
# Cast Iron Impeller

Threaded Case (NPT), Mechanical Seal Construction

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#### Table I

B/M No.	HP	PH	RPM	Imp. No.
B60767	10	1	3600	M07240
B60768	10	3	3600	M07240
B60769	15	3	3600	M07239



Item No.	Part Description	Part Number
1	Case, Volute	H03741
2	Impeller	See Table I
9	Cover, Suction	L05748
14	Sleeve, Shaft	S19310L
26	Screw, Impeller	S23568
32	Key, 3/16 x 1-1/4"	S34383
67	Spacer, Impeller	S15405
69	Washer, Impeller Lock	S06314
71	Bracket	See Table II
73	Gasket	S04757
73	Gasket (As required)	S15049
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1-1/4" (7 Req.)	S26828
800B	Capscrew, 3/8 - 16 x 3/4"	S26824
800C	Capscrew, 1/2 - 13 x 1" (4 Req.)	S26912
801	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16	S23103
804A	Weight, Clack	S15325
804B	Weight, Clack	S14843
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT	S23715
810B	Plug, Pipe 1-1/4 NPT	S23694
815	Ring, Retaining	S11207
835	Clack, Rubber	L05749

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
10	1	L05328	8-1/2"	7/8"	215JM
10	3	L05328	8-1/2"	7/8"	213JM
15	3	L05328	8-1/2"	7/8"	215JM



# **BERKELEY**® B4TPKLS

### ELECTRIC MOTOR DRIVE SELF PRIME

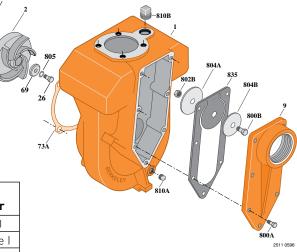
# Cast Iron Impeller

Threaded Case (NPT), Mechanical Seal Construction

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#### Table I

B/M No.	HP	PH	RPM	Imp. No.
B54629	3	1	1800	M05491
B54630	3	3	1800	M05491



		5
Item No.	Part Description	Part Number
1	Case, Volute	H02550
2	Impeller	See Table I
9	Cover, Suction	L04108
14	Sleeve, Shaft	S19310L
26	Screw, Impeller	S23568
32	Key, 3/16 x 1-1/2"	S23500
67	Spacer, Impeller	S15405
69	Washer, Impeller Lock	S06314
71	Bracket	See Table II
73A	Gasket, Volute	S04757
73B	Gasket, Blind	S10364
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1-1/4" (7 Req.)	S26828
800B	Capscrew, 3/8 - 16 x 3/4"	S26824
800C	Capscrew, 3/8 - 16 x 1" (4 Req.)	S26826
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 5/8 - 11 x 2-1/2" (4 Req.)	S24062
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16	S23103
802C	Nut, Hex 5/8 - 11 (4 Req.)	S23109
804A	Weight, Clack	S14842
804B	Weight, Clack	S15325
805	Washer, Lock	S23036
810A	Plug, Pipe 1/2 NPT	S23717
810B	Plug, Pipe 1-1/4 NPT	S23694
815	Ring, Retaining	S11207
835	Clack, Rubber	L04119
850	Flange, Companion	S15933

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05329	4-1/2"	7/8"	184JM
3	3	L05329	4-1/2"	7/8"	182JM



# **BERKELEY**® B4TPKHS

## ELECTRIC MOTOR DRIVE SELF PRIME

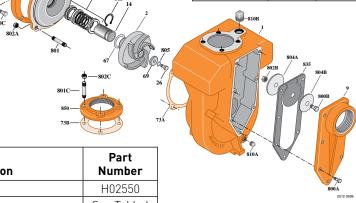
# Cast Iron Impeller

Threaded Case (NPT), Mechanical Seal Construction

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#### Table I

B/M No.	HP	PH	RPM	Imp. No.
B54631	5	1	1800	M05524
B54632	5	3	1800	M05524



Item No.	Part Description	Part Number
1	Case, Volute	H02550
2	Impeller	See Table I
9	Cover, Suction	L04108
14	Sleeve, Shaft	S19310L
26	Screw, Impeller	S23568
32	Key, 3/16 x 1-1/4"	S34383
67	Spacer, Impeller	S15405
69	Washer, Impeller Lock	S06314
71	Bracket	See Table II
73A	Gasket, Volute	S04757
73B	Gasket, Blind	S10364
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1-1/4" (7 Req.)	S26828
800B	Capscrew, 3/8 - 16 x 3/4"	S26824
800C	Capscrew, 3/8 - 16 x 1" 4-1/2 AK (4 Req.)	S26826
800C	Capscrew, 1/2 - 13 x 1" 8-1/2 AK (4 Req.)	S26912
801A	Stud, 1/2 - 13 x 1-1/2" (4 Req.)	S24043
801B	Stud, 5/8 - 11 x 2-1/2" (4 Req.)	S24062
802A	Nut, Hex 1/2 - 13 (4 Req.)	S23107
802B	Nut, Hex 3/8 - 16	S23103
802C	Nut, Hex 5/8 - 11 (4 Req.)	S23109
804A	Weight, Clack	S14842
804B	Weight, Clack	S15325
805	Washer, Lock	S23036
810A	Plug, Pipe 1/2 NPT	S23717
810B		
815	Ring, Retaining	S11207
835	Clack, Rubber	L04119
850	Flange, Companion	S15933

#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
3	1	L05328	8-1/2"	7/8"	213JM
3	3	L05329	4-1/2"	7/8"	184JM



# **BERKELEY**® B4ZPKS

## ELECTRIC MOTOR DRIVE SELF PRIME

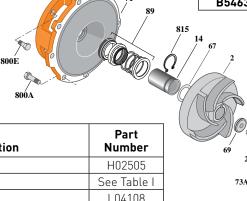
# Cast Iron Impeller

Threaded Case (NPT), Mechanical Seal Construction

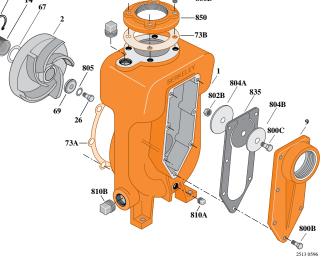
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#### Table I

B/M No.	HP	PH	RPM	Imp. No.
B58449	5	1	1800	M07561
B58450	5	3	1800	M07561
B54633	7.5	1	1800	M05639
B54634	7.5	3	1800	M05639
B54635	10	1	1800	M05640
B54636	10	3	1800	M05640



Item No.	Part Description	Part Number
1	Case, Volute	H02505
2	Impeller	See Table I
9	Cover, Suction	L04108
14	Sleeve, Shaft	S19310L
26	Screw, Impeller	S23566
32	Key, 3/16 x 1-1/4"	S34383
67	Spacer, Impeller	S15405
69	Washer, Impeller Lock	S06314
71	Bracket	See Table II
73A	Gasket, Volute	S05126
73B	Gasket, Blind	S10364
89	Seal, Mechanical Shaft	S32014
800A	Capscrew, 3/8 - 16 x 1" (8 Req.)	S26826
800B	Capscrew, 3/8 - 16 x 1-1/4" (7 Req.)	S26828
800C	Capscrew, 3/8 - 16 x 1"	S26824
800D	Capscrew, 5/8 - 11 x 1-3/4" (4 Req.)	S27001
800E	Capscrew, 3/8 - 16 x 1-1/8" 4-1/2 AK (4 Req.)	S26827
800E	Capscrew, 1/2 - 13 x 1" 8-1/2 AK (4 Req.)	S26912
802	Nut, Hex 3/8 - 16	S23103
804A	Weight, Clack	S14842
804B	Weight, Clack	S15325
805	Washer, Lock	S23036
810A	Plug, Pipe 1/4 NPT	S23717
810B	Plug, Pipe 1-1/4 NPT	S23695
815	Ring, Retaining	S11207
835	Clack, Rubber	L04119
850	Flange, Companion	S15933



#### Table II

HP	PH	Bracket No.	"AK" Fit	"U" Dim.	Motor Frame
5	1	L05331	8-1/2"	7/8"	213JM
5	3	L05332	4-1/2"	7/8"	184JM
7.5	1	L05331	8-1/2"	7/8"	215JM
7.5	3	L05331	8-1/2"	7/8"	213JM
10	1	L05331	8-1/2"	7/8"	215JM
10	3	L05331	8-1/2"	7/8"	215JM



## **BERKELEY®**

#### FLECTRIC MOTOR DRIVE

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## Mechanical Shaft Seal Construction, Packing Construction

#### **SAMPLE ONLY** BERKELEY PUMPS MODEL S.N. OR DATE **B3TPMS** G123094 IMPELLER DIA Electric Motor See Note 4 6.12" B54598 "AK" Dim. (See Note 1) "U" Dim. (See Note 2) Impeller Diameter (See Note 3) NOTES: 1. Dimension "AK" indicates outside diameter 'U" Dim. (See Note 2) of male register fit on end of motor and is used in conjunction with motor frame size 1712 0211 and motor bracket fit. Refer to TABLE II on

- parts sheets.2. Dimension "U" indicates motor shaft diameter and nominal impeller shaft bore.
- 3. Impeller diameter shown in TABLE I of the parts sheets is the current catalog standard for each model and horsepower. When ordering impeller, specify diameter that is indicated on nameplate as shown above.
- 4. Electric motors are available for replacement, consult factory for information and availability.

**NOTE:** Shaft sleeve (Item 14) must be ordered with replacement motor, refer to individual parts listings for sleeve requirements.

#### PARTS ORDERING INFORMATION

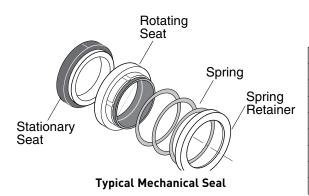
The diagrams and parts lists given on the following pages depict a typical pump configuration. It is most important that before calling in for repair instructions, or when ordering replacement parts, locate the Berkeley nameplate on the pump. It is affixed to the motor bracket, as shown here. Provide all nameplate data, especially the S.N OR DATE number and the B.M. (Bill of Material) number to ensure receiving correct parts.



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#### **Mechanical Seal Construction**



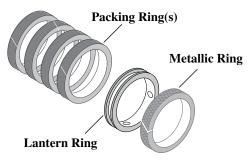
#### Standard Mechnical Seal/ Shaft Sleeve Combinations

SEAL		SLEEVE		
P/N	Description	P/N Description		
S32013	1-1/4" Type 21 Long	S00619	1" I.D. x 1-1/4" O.D.	
S32014	1-1/4" Type 21 Short	S19310	1" I.D. x 1-1/4" O.D.	
S32015	1-3/4" Type 21 Short	S18869	1-3/8" I.D. x 1-3/4" O.D.	
M10227	1-3/4" Type 2	S18869	1-3/8" I.D. x 1-3/4" O.D.	
S32016	2-1/8" Type 21 Long	S07073	1-3/4" I.D. x 2-1/8" O.D.	
S39264	2-1/8" Type 21 Short	M09669	1-3/4" I.D. x 2-1/8" O.D.	
S32697	2-3/4" Type 21	S29517	2-1/4" I.D. x 2-3/4" O.D.	

#### **Packing Construction**



Typical Packing Set - Soft Rings Only



Typical Packing Set With Soft Rings, Lantern Ring, and Hard (Metallic) Ring

#### Standard Packing Sets Shown on Repair Parts Sheets

Packing Set P/N	No. of Soft Rings	Metallic Ring	Ring I.D.	Ring O.D.	Cross Section
S14109	5	None	1-1/4"	1-7/8"	5/16"
S13469	6	None	1-1/4"	1-7/8"	5/16"
S15094	7	None	1-1/4"	1-7/8"	5/16"
S13435	4	S11092	1-3/4"	2-1/2"	3/8"
S13470	6	None	1-3/4"	2-1/2"	3/8"
S13437	4	S11093	2-1/8"	2-7/8"	3/8"
S13444	5	S11093	2-1/8"	2-7/8"	3/8"
S16448	5	S14327	2-3/4"	3-3/4"	1/2"

**NOTE:** Part numbers given on repair parts sheets for packing rings reflects complete set of soft rings required for each model. Some models also require a hard (metallic) ring that is installed as shown above. Hard ring comes as part of the set, when required, and is in **addition** to the soft ring count shown (set of 5, set of 6, etc.). Metallic part number shown for reference only. Lantern Ring (item #29) is sold separately.

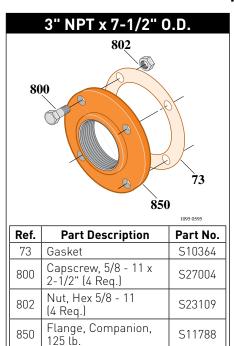


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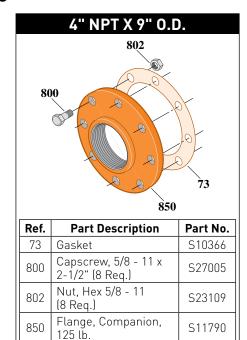
## ELECTRIC MOTOR DRIVE

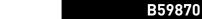
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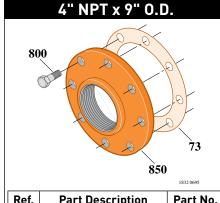
#### Companion Flange Kits



B60129

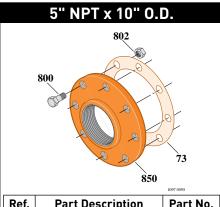






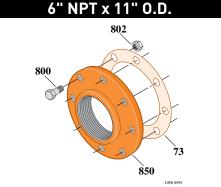
Ref.	Part Description	Part No.
73	Gasket	S10366
800	Capscrew, 5/8 - 11 x 1-5/8" (8 Req.)	S27000
850	Flange, Companion, 125 lb.	S11790

B74303



Ref.	Part Description	Part No.
73	Gasket	S10367
800	Capscrew, 3/4 - 10 x 3" (8 Req.)	S27333
802	Nut, Hex 3/4 - 10 (8 Req.)	S23111
850	Flange, Companion, 125 lb.	S11791

B59871



Ref.	Part Description	Part No.
73	Gasket	S10368
800	Capscrew, 3/4 - 10 x 3" (8 Req.)	S27333
802	Nut, Hex 3/4 - 10 (8 Req.)	S23111
850	Flange, Companion, 125 lb.	S11792

B59872



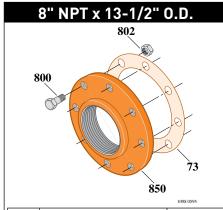
293 WRIGHT STREET, DELAVAN, WI 53115 WWW.berkeleypumps.COM PH: 888-237-5353 ORDERS FAX: 800-321-8793 Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

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## ELECTRIC MOTOR DRIVE

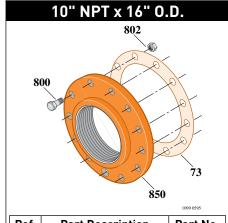
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#### **Companion Flange Kits**



Ref.	Part Description	Part No.
73	Gasket	S10369
800	Capscrew, 3/4 - 10 x 2-3/4" (8 Req.)	S27332
802	Nut, Hex 3/4 - 10 (8 Req.)	S23111
850	Flange, Companion, 125 lb.	S11793

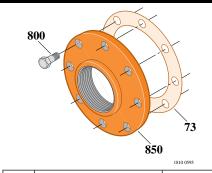
B59873



Ref.	Part Description	Part No.
73	Gasket	S10370
800	Capscrew, 7/8 - 9 x 3" (12 Req.)	S23307
802	Nut, Hex 7/8 - 9 (12 Req.)	S23113
850	Flange, Companion, 125 lb.	S11794

B59874





Ref.	Part Description	Part No.
73	Gasket	S10367
800	Capscrew, 3/4 - 10 x 1-3/4" (8 Req.)	S27327
850	Flange, Companion, 125 lb.	S11791

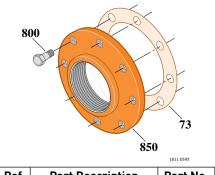
B59875

# 6" NPT x 10" O.D.



B59876

## 6" NPT x 11" 0.D.



Ref.	Part Description	Part No.
73	Gasket	S10368
800	Capscrew, 3/4 - 10 x 2" (8 Req.)	S27329
850	Flange, Companion, 125 lb.	S11792

B59877



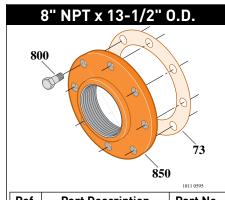
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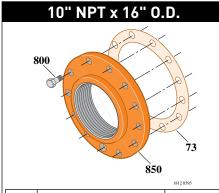
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## **Companion Flange Kits**



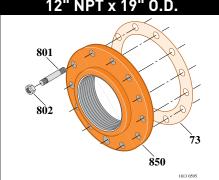
Ref.	Part Description	Part No.
73	Gasket	S10369
800	Capscrew, 3/4 - 10 x 2" (8 Req.)	S27329
850	Flange, Companion, 125 lb.	S11793
		•

B59878



Ref.	Part Description	Part No.
73	Gasket	S10370
800	Capscrew, 7/8 - 9 x 2" (12 Req.)	S23303
850	Flange, Companion, 125 lb.	S11794

B59879



Ref.	Part Description	Part No.
73	Gasket	S10371
800	Capscrew, 7/8 - 9 x 3" (12 Req.)	S24095
802	Nut, Hex 7/8 - 9 (12 Req.)	S23113
850	Flange, Companion, 125 lb.	S11795

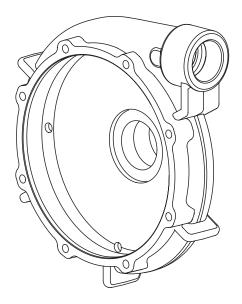
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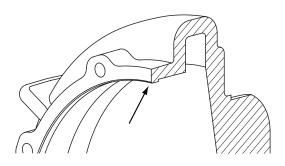
# **BERKELEY**®

## ELECTRIC MOTOR DRIVE

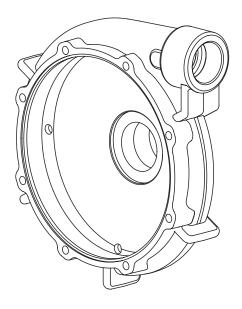
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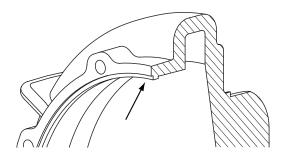
## Volute Sealing: Gasket Only



**Style 1**: There is a small chamfer along the back face of the volute, but no circumferential o-Ring groove. This volute can ONLY be sealed with a gasket.



## Volute Sealing: O-Ring or Gasket



**Style 2**: O-Ring groove machined into back face of volute. This volute can be sealed with a gasket or with an o-Ring.