

	B5431 & B5431K			B5432 & B5432K			B5432CLV & K (4)	B5433 & B5433K			
Pump Size (Discharge Size)	2	3	4	2	3	4	4	3	4	5	6
Suction Size (Standard)	2	3	4	2	3	4	4	3	4	5	8
Suction Size (Optional)	NA	4	6	NA	4	6	6	4	6	6,8	6
Nominal Wear Ring Clearance	.015	.015	.020	.015	.015	.020	.020	.015	.020	.020	.025
<b>Impeller Fastener:</b>											
Size	1/2-13	1/2-13	1/2-13	1/2-13	1/2-13	1/2-13	1/2-13	5/8-11	5/8-11	5/8-11	5/8-11
Tightening Torque (lb.-ft.)	80	80	80	80	80	80	80	120	120	120	120
<b>Impeller:</b>											
Weight (lbs)	17.8	18.0	21.8	28.0	40.0	41.2	41.2	47.4	65.9	70.0	73.8
Inlet Area (sq. inches.)	9.28	13.20	23.49	14.91	20.39	26.22	26.22	23.52	37.50	46.43	52.88
WR <sup>2</sup> (lb.-ft. <sup>2</sup> ) (6)	0.6	0.6	1.1	2.2	2.1	2.8	1.5	5.5	8.5	8.5	7.0
Sphere Size (Maximum)	1 1/2	2	2 1/2	1 1/2	2	3	3	2	3	3 1/2	3
Volute Cleanout Diameter	NA	1 1/2	2	NA	2 1/4	2 7/8	2 7/8	2 1/4	2 7/8	4 1/4	4 7/8
Suction Elbow Cleanout Diam.	2	3	4	2	3	4	4	3	4	5	6
Vent/Priming Tap Size (NPT)	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
<b>Gauge Tap Size</b>											
Suction & Discharge (NPT)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Hydrostatic Test, PSI (7)	65	65	65	90	90	90	90	125	125	125	125
Casing Working, PSI (7)	45	45	45	60	60	60	60	85	85	85	85
Nominal Casing Thickness	5/16	5/16	5/16	3/8	3/8	3/8	5/16	3/8	1/2	1/2	1/2
Operating Temperature °F (7)	150	150	150	150	150	150	150	150	150	150	150
Anchor Bolt Size, recommended	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8	7/8
Minimum Diameter Round Opening to Install Pump	28	30	32	30	32	34	31	36	40	40	40

### Motor Shaft, Mechanical Seal, and Seal Housing Data for Above Pumps Only

Motor Frame Size	145JM-215JM	254JM-326JM	213T-365T
<b>Shaft Diameter</b>			
At Impeller	7/8	1 1/4	1 3/4
At Sleeve	1	1 3/8	1 3/4
<b>Sealing Box</b>			
<b>Mechanical Seal</b>			
Type	Double	Double	Double
Recommended Flush Water:			
Pressure	(3)	(3)	(3)
Flow (GPM)	1/2-1	1/2-1	1/2-1
Sleeve OD	1 1/4	1 3/4	2
Box ID	1 7/8	2 1/2	2 3/4
Box Depth	2 1/2	2 5/8	2 7/8
Box Inlet Tap Size (NPT)	1/4	1/4	1/4
Box Outlet Tap Size (NPT)	1/4	1/4	1/4

- (1) Above motors are NEMA "C" flange.
- (2) All dimensions are in inches.
- (3) Shutoff pressure or 10 PSI above operating pressure whichever is greater.
- (4) Centerline volute design
- (5) NA = not available.
- (6) WR<sup>2</sup> values are for 2-blade impellers only. Contact factory for bladeless impeller WR<sup>2</sup> values.
- (7) These are maximum values based on standard construction. If higher values are required, contact the factory.