

AURORA® SERIES 340/360
MODELS 341A, 342A, 361A, AND 362A
60 HERTZ MOTOR DATA SHEET
1 PHASE: NOT AVAILABLE
3 PHASE: 200 (ONLY) OR 230/460 OR 575 VOLTS
JM AND JP MOTOR FRAMES

Section **340/360** Page **71**
 Date **JUNE 2013**
 Supersedes **OCTOBER 1985**

HP	RPM	C FLANGE MOTORS HORIZONTAL FOOT MOUNTED 143-184JM ONLY-SUPPORT FOOT MOUNTED ON PUMP O.D.P. - TOTALLY ENC. - EXP. PROOF				MAGNETIC STARTER SIZE REQ'D NEMA 1 ENCLOSURE			APPROXIMATE FULL LOAD AMPS.			
		OPEN DRIPPROOF FRAME	SERVICE FACTOR O.D.P.	TEFC & EXP. PROOF FRAME	SERVICE FACTOR TEFC & EXP. PROOF	200V & 230V	460V	575V	200V	230V	460V	575V
1	1750	143	1.15	143	1.0	00	00	00	4.0	3.5	1.8	1.4
	1150	145		145								
1-1/2	3500	143	1.15	143	1.0	00	00	00	5.4	4.7	2.4	1.9
	1750	145		145								
	1150	182		182								
2	3500	145	1.15	145	1.0	0	00	00	6.9	6	3	2.4
	1750	145		145								
	1150	184		184								
3	3500	145	1.15	182	1.0	0	0	0	9.9	8.6	4.3	3.4
	1750	182		182								
	1150	213		213								
5	3500	182	1.15	184	1.0	1	0	0	15.9	13.8	6.9	5.5
	1750	184		184								
	1150	215		215								
7-1/2	3500	184	1.15	213	1.0	1	1	1	24.3	21.1	10.5	8.4
	1750	213		213								
	1150	254		254								
10	3500	213	1.15	215	1.0	2	1	1	31	27	13.5	10.8
	1750	215		215								
	1150	256		256								
15	3500	215	1.15	254	1.0	3	2	2	45	39.2	19.6	15.7
	1750	254		254								
	1150	284		284								
20	3500	254	1.15	256	1.0	3	2	2	58.7	51	25.5	20
	1750	256		256								
	1150	286		286								
25	3500	256	1.15	284	1.0	3	2	2	72.7	63.2	31.6	25
	1750	284		284								
	1150	324		324								
30	3500	284	1.15	286	1.0	4	3	3	97.8	76.7	38.3	31
	1750	286		286								
	1150	326		326								
40	3500	286	1.15	324	1.0	4	3	3	115	100	50	40
	1750	324		324								
50	3500	324	1.15	326	1.0	5	3	3	141	123	61.5	49
	1750	326		326								
60	3500	326	1.15	N/A	1.0	5	4	4	163	142	71	57

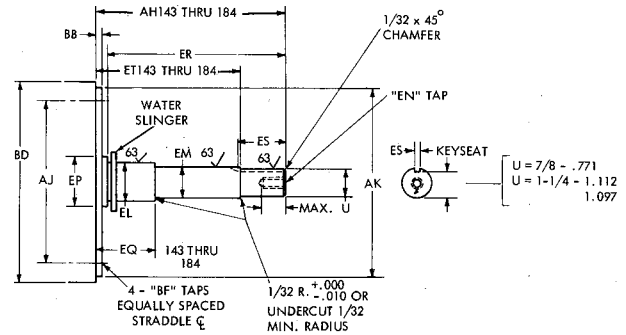
NOTES:

1. APPROXIMATE FULL LOAD AMPS BASED ON AVERAGES FOR AURORA STANDARD O.D.P. MOTORS.
2. MAGNETIC STARTER SIZE BASED ON AURORA STANDARD O.D.P. MOTORS.
3. MODELS 341A & 342A USE JM MOTOR FRAMES.
MODELS 361A & 362A USE JP MOTOR FRAMES.

AURORA® SERIES 340/360
 MODELS 341A, 342A, 361A, AND 362A
 SHAFT EXTENSION
 JM AND JP MOTOR FRAMES

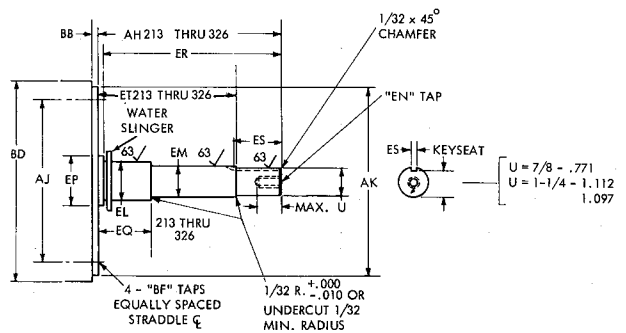
MOTOR FRAME SIZES	340 U	360 U	340 AH	360 AH	AJ	AK	BB	BD	340 EL	360 EL
143	7/8	7/8	4-1/4	7-5/16	5-7/8	4-1/2	5/32	6-5/8	1-5/32	1-5/32
& 145	.8745 .8740	.8745 .8740	±.031	±.031		+0.000 -.003	+0.000 -.031	MAX.	+0.000 -.002	+0.000 -.002
182	7/8	7/8	4-1/4	7-5/16	5-7/8	4-1/2	5/32	6-5/8	1-1/4	1-1/4
& 184	.8745 .8740	.8745 .8740	±.031	±.031		+0.000 -.003	+0.000 -.031	MAX.	+0.000 -.002	+0.000 -.002
213	7/8	1-1/4	4-1/4	8-1/8	7-1/4	8-1/2	5/16	9	1-1/4	1-3/4
& 215	.8745 .8740	1.2495 1.2490	±.031	±.031		+0.000 -.003	+0.000 -.062	MAX.	+0.000 -.002	+0.000 -.002
254	1-1/4	1-1/4	5-1/4	8-1/8	7-1/4	8-1/2	5/16	10	1-3/4	1-3/4
& 256	1.2495 1.2490	1.2495 1.2490	±.031	±.031		+0.000 -.003	+0.000 -.062	MAX.	+0.000 -.002	+0.000 -.002
284	1-1/4	1-1/4	5-1/4	8-1/8	11	12-1/2	5/16	14	1-3/4	1-3/4
Thru 326	1.2490 1.3490	1.2490 1.3490	±.031	±.031		+0.000 -.005	+0.000 -.062	MAX.	+0.000 -.002	+0.000 -.002

MOTOR FRAME SIZES	340 EM	360 EM	EP	340 EQ	360 EQ	340 ER	360 ER	340 ET	360 ET
143	1	1	1-5/32	5/8	1-9/16	4-1/4	7-5/16	2-7/8	5-15/16
& 145	.0000 .0005	.0000 .0005	MIN.	±.015	±.015	MIN.	MIN.	±.015	±.015
182	1	1	1-1/4	5/8	1-9/16	4-1/4	7-5/16	2-7/8	5-15/16
& 184	+0.0000 -.0005	+0.0000 -.0005	MIN.	±.015	±.015	MIN.	MIN.	±.015	±.015
213	1	1-3/8	1-3/4	5/8	2-3/8	4-1/4	8-1/8	2-7/8	5-7/8
& 215	+0.0000 -.0005	+0.0000 -.0005	MIN.	±.015	±.015	MIN.	MIN.	±.015	±.015
254	1-3/8	1-3/8	1-3/4	5/8	2-3/8	5-1/4	8-1/8	3	5-7/8
& 256	+0.0000 -.0005	+0.0000 -.0005	MIN.	±.015	±.015	MIN.	MIN.	±.015	±.015
284	1-3/8	1-3/8	2-1/8	5/8	2-3/8	5-1/4	8-1/8	3	5-7/8
Thru 326	+0.0000 -.0005	+0.0000 -.0005	MIN.	±.020	±.020	MIN.	MIN.	±.020	±.020



143 - 184 MOTOR FRAME DIMENSIONS

MOTOR FRAME SIZES	ES		EN						BF	
	LENGTH	WIDTH	TAP SIZE CLASS 3 R.H. THR'D	TAP SIZE CLASS 3 R.H. THR'D	TAP DRILL DEPTH MAX.	TAP DRILL DEPTH MAX.	BOLT PENE-TRATION	BOLT PENE-TRATION	TAP SIZE CLASS 2	BOLT PENE-TRATION
143 & 145	1.65 MIN.	3/16 +.002 -.000	3/8-16	3/8-16	1-1/8	1-1/8	3/4	3/4	3/8-16	9/16
182 & 184	1.65 MIN.	3/16 +.002 -.000	3/8-16	3/8-16	1-1/8	1-1/8	3/4	3/4	3/8-16	9/16
213 & 215	1.65 MIN.	* +.002 -.000	3/8-16	1/2-13	1-1/8	1-1/2	3/4	1	1/2-13	3/4
254 & 256	2.53 MIN.	1/4 +.002 -.000	1/2-13	1/2-13	1-1/2	1-1/2	1	1	1/2-13	3/4
284 Thru 326	2.50 MIN.	1/4 +.002 -.000	1/2-13	1/2-13	1-1/2	1-1/2	1	1	5/8-11	15/16



213 - 326 MOTOR FRAME DIMENSIONS

NOTES:

1. SHAFT MATERIAL - AISI 1018 STEEL
2. WATER SLINGER TO BE FURNISHED WITH MOTOR
3. END PLAY NOT TO EXCEED .005
4. SHAFT DIAMETERS AND RABBIT TO BE CONCENTRIC WITHIN .004 TIR
5. JM MOTORS ARE USED ON 340 SERIES PUMPS.
JP MOTOR ARE USED ON 360 SERIES PUMPS.

*KEYWAY WIDTH FOR 213-215 MOTOR FRAME SIZES:
 JM MOTORS = 3/16" WIDE
 JP MOTORS = 1/4" WIDE

SELECTION CHART

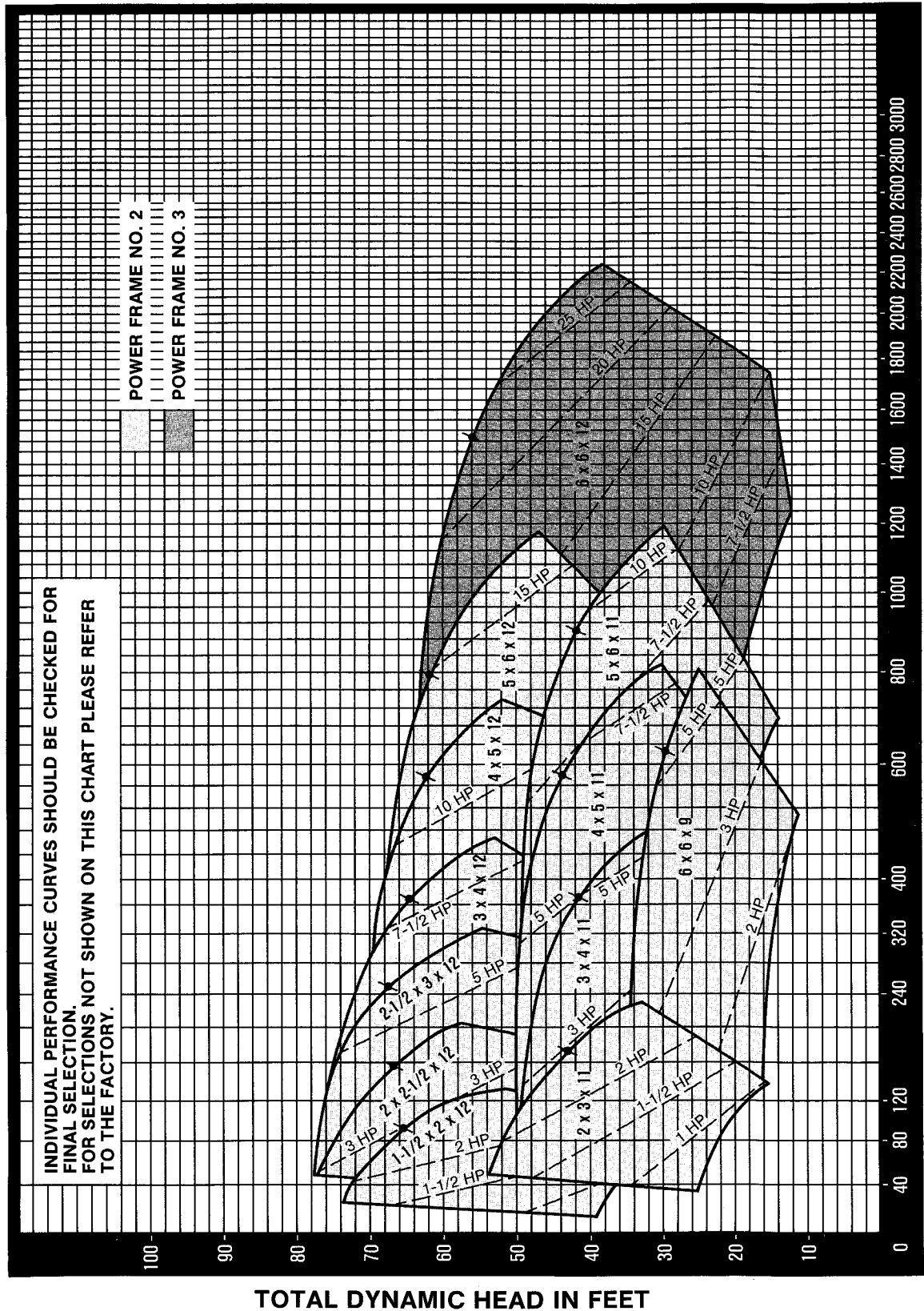
Dated **June 2013**

1150 R.P.M.

Supersedes Section 360A Page 397

Dated November 1985

ENCLOSED IMPELLER



INDIVIDUAL PERFORMANCE CURVES SHOULD BE CHECKED FOR FINAL SELECTION. FOR SELECTIONS NOT SHOWN ON THIS CHART PLEASE REFER TO THE FACTORY.

Dated June 2013

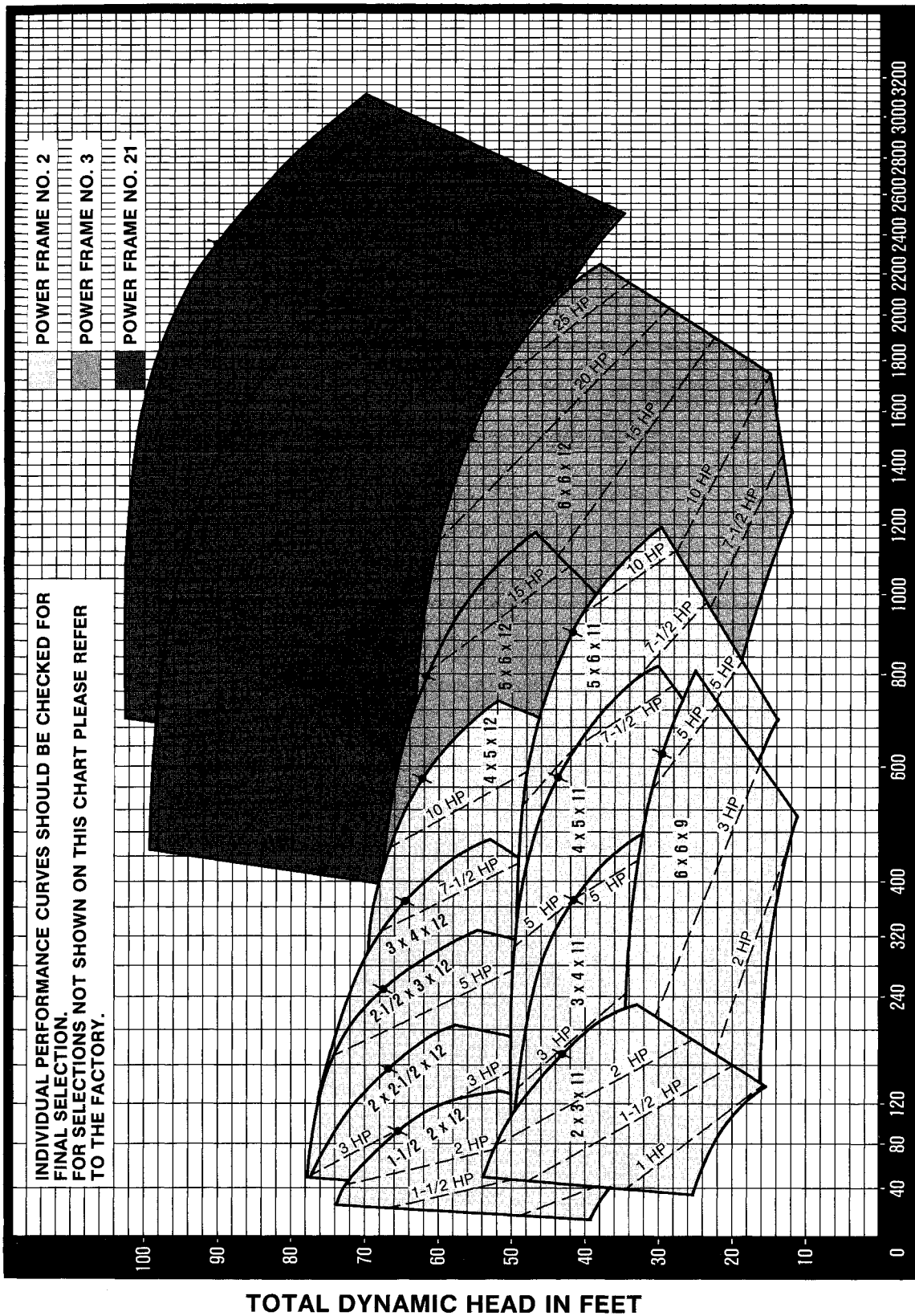
SELECTION CHART

Supersedes Section 360A Page 398

1150 R.P.M.

Dated January 2003

ENCLOSED IMPELLER



CAPACITY IN GALLONS PER MINUTE

TOTAL DYNAMIC HEAD IN FEET