

3340 Series Single Stage End Suction Pumps

- Capacities to 4200 G.P.M. (800 M³/HR)
- Heads to 520 Feet (180 Meters)
- Temperatures to 225°F (107°C)



Model 3344

ap AURORA®
Pentair Water

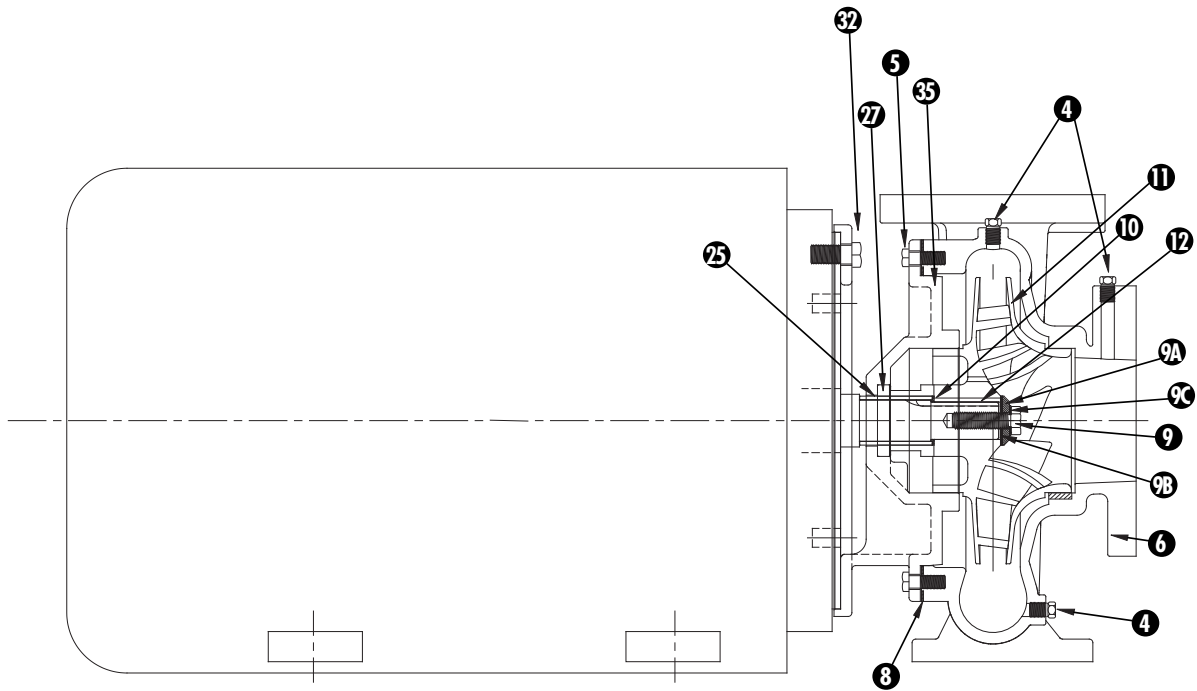
motralec

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Aurora 3340 Pump

Setting New Standards of Efficiency

Liquid handling requirements are much more involved than they were five years ago. The variety of liquids being handled has increased along with temperatures and pressures. Today's installations demand quiet, smooth running pumps with long life. Aurora Pump's 85 years of experience with design, sales and manufacturing of centrifugal pumps has lead to the 3340 Series. These modern pumps with a clean, straightforward design were developed with maximum interchangeability in mind. Aurora's highly reliable 3340 pumps offer an economical solution to your liquid handling problems.



Trim at 7-3/4"

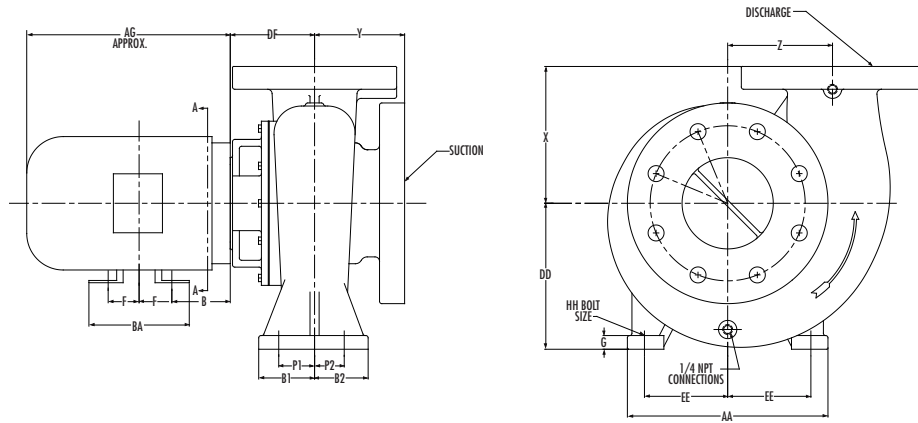
Standard: 3341

- Standard JM motor
- Cast Iron, Bronze Fitted Construction
- Double Volute on 4" discharge and larger to reduce bearing loads
- Suction splitter on some 3" and all 4" suction and larger to eliminate pre-rotation
- Gauge taps on suction and discharge standard on flanged models
- Shaft sleeve to protect JM motor shaft
- Casing feet for easy back pullout

- 4. .25 NPT Pipe Plug
- 5. Casing bolts or studs
- 6. Casing
- 8. Casing gasket
- 9. Impeller Bolt
- 9A. Impeller washer
- 9B. Impeller gasket
- 9C. Impeller bolt gasket

- 10. Shaft sleeve gasket
- 11. Impeller
- 12. Impeller Key
- 25. Shaft Sleeve
- 27. Seal
- 32. Motor Bolts
- 35. Seal Plate / Motor Bracket

3341 Product Offering



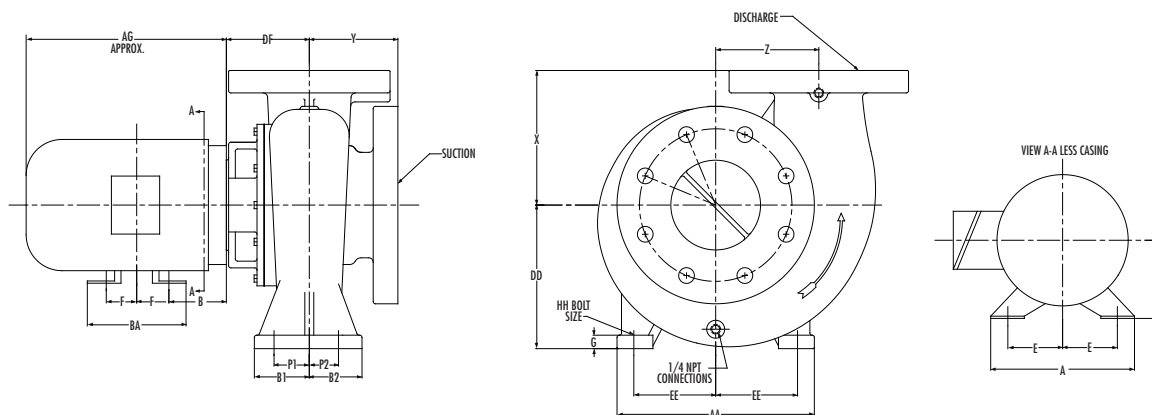
PUMP SIZE	DISCH	SUCT	DD	X	Y	Z	P1	P2	B1	B2	G	HH	EE	AA	DF 143-184JM	DF 213-215JM	DF 254-256JM	DF 284-326JM	DF 364-444TCZ
1.25 x 1.5 x 7 (NPT)	1.25	1.5	7 (178)	5 (127)	3.25 (83)	4.5 (114)	1.38 (35)	1.63 (41)	2.38 (60)	2.63 (67)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	4.25 (108)	4.25 • (108)	N/A	N/A	N/A
1.5 x 2 x 7 (NPT)	1.5	2	7 (178)	6 (152)	3.13 (79)	4.63 (117)	1.44 (37)	1.56 (40)	2.44 (62)	2.56 (65)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	4.56 (116)	4.56 • (116)	N/A	N/A	N/A
1.5x2x12 (NPT)	1.5	2	10 (254)	7.75 (197)	2.75 (70)	5.75 (146)	1.94 (49)	2.19 (56)	2.87 (73)	3.75 (95)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	4.56 (116)	4.56 • (116)	NA	NA	NA
2 x 2.5 x 7	2	2.5	7 (178)	6.5 (165)	3.5 (89)	4.75 (121)	1.56 (40)	1.44 (37)	2.56 (65)	2.44 (62)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	4.44 (113)	4.44 (113)	5.5 (140)	N/A	N/A
2x2.5x9.5	2	2.5	8 (203)	7 (178)	4 (102)	5.88 (149)	1.56 (40)	2.81 (71)	2.38 (60)	3.63 (092)	0.69 (17)	0.44 (011)	4.56 (116)	11 (279)	4.44 (113)	4.44 (113)	5.63 (143)	5.63 † (143)	NA
2.5 x 3 x 7	2.5	3	7 (178)	6 (152)	4.25 (108)	4.69 (119)	1.63 (41)	1.38 (35)	2.63 (67)	2.38 (60)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	4.44 (113)	4.44 (113)	5.5 (140)	5.5 (140)	N/A
2.5x3x9.5	2	3	8 (203)	6.75 (171)	4 (102)	6 (152)	1.63 (41)	2.75 (70)	2.44 (62)	3.56 (90)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	4.75 (121)	4.75 (121)	5.31 (135)	5.31 (135)	9.94 (252)
3 x 4 x 7	3	4	7 (178)	6 (152)	4.13 (105)	5 (127)	1.69 (43)	1.31 (33)	2.69 (68)	2.31 (59)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	4.56 (116)	4.56 (116)	4.94 (125)	4.94 (125)	N/A
3x4x9.5	3	4	8 (203)	7.5 (191)	4.75 (121)	6.13 (156)	1.81 (46)	2.56 (65)	2.69 (68)	3.31 (84)	0.75 (19)	0.44 (11)	4.56 (116)	11 (279)	4.56 (116)	4.56 (116)	5.06 (129)	5.06 (129)	9.25 (235)
4x5x7	4	5	8 (203)	7.5 (191)	4.94 (125)	5.75 (146)	2.25 (57)	2.13 (54)	3.06 (78)	2.94 (75)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	4.63 (118)	4.63 (118)	5.5 (140)	5.5 † (140)	NA
4x5x9.5	4	5	10 (254)	8 (203)	5 (127)	7 (178)	1.88 (48)	2.5 (64)	2.69 (68)	3.31 (84)	0.75 (19)	0.44 (11)	4.56 (116)	11 (279)	4.75 (121)	4.75 (121)	5.13 (130)	5.13 (130)	9.31 (236)
5x6x7	5	6	10 (254)	8.5 (216)	5.81 (148)	6.25 (159)	2.81 (71)	1.56 (40)	3.63 (92)	2.38 (60)	0.69 (18)	0.44 (11)	4.56 (116)	11 (279)	5.19 (132)	5.19 (132)	6.06 (154)	6.06 (154)	9.56 (243)
5x6x9.5	5	6	11 (279)	10 (254)	6 (152)	7.5 (191)	2.19 (56)	2.81 (71)	3.19 (81)	3.19 (81)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	4.56 (116)	4.56 (116)	5.44 (138)	5.44 (138)	NA
6x8x9.5	6	8	11 (279)	10.5 (267)	7 (178)	8.25 (210)	4.5 (114)	5.5 (114)	5.5 (140)	5.5 (140)	1 (25)	0.63 (16)	10.5 (267)	23 (584)	NA	NA	5.38 (137)	5.38 (137)	NA

• Only available in 215 ODP motor frame for 15 HP max

† Only available in 326 ODP motor frame for 60 HP max

NOTES:

1. All dimensions in inches (mm).
2. Dimensions may vary $\pm .25$.
3. Not for construction purposes unless certified.
4. Conduit box is shown in approximate location. Dimensions are not specified as they may vary with each motor manufacturer.
5. All motors are JM motor frames.



JM MOTOR FRAME								
FRAME	AG APPROX.	A	B	D	E	F	H	BA
143	10 (251)	7 (178)	6 (152)	3.5 (89)	2.75 (70)	2 (51)	0.34 (9)	2.25 (57)
145	11 (279)	7 (178)	6 (152)	3.5 (89)	2.75 (70)	2.5 (64)	0.34 (9)	2.25 (57)
182	11 (279)	9 (229)	6.5 (165)	4.5 (114)	3.75 (95)	2.25 (57)	0.41 (10)	2.75 (70)
184	12 (305)	9 (229)	7.5 (191)	4.5 (114)	3.75 (95)	2.75 (70)	0.41 (10)	2.75 (70)
213	14 (356)	10.5 (267)	7.5 (191)	5.25 (133)	4.25 (108)	2.75 (70)	0.41 (10)	3.5 (89)
215	15 (381)	10.5 (267)	9 (229)	5.25 (133)	4.25 (108)	3.5 (89)	0.41 (10)	3.5 (89)
254	17.5 (445)	12.5 (318)	10.75 (273)	6.25 (159)	5 (127)	4.13 (105)	0.53 (13)	4.25 (108)
256	19 (483)	12.5 (318)	12.5 (318)	6.25 (159)	5 (127)	5 (127)	0.53 (13)	4.25 (108)
284	19 (483)	14 (356)	12.5 (318)	7 (178)	5.5 (140)	4.75 (121)	0.53 (13)	4.75 (121)
286	21 (533)	14 (356)	14 (356)	7 (178)	5.5 (140)	5.5 (140)	0.53 (13)	4.75 (121)
324	22 (559)	16 (406)	14 (356)	8 (203)	6.25 (159)	5.25 (133)	0.66 (17)	5.25 (133)
326	23 (584)	16 (406)	15.5 (394)	8 (203)	6.25 (159)	6 (152)	0.66 (17)	5.25 (133)
364 TCZ	24 (610)	18 (457)	15.25 (387)	9 (229)	7 (178)	5.63 (143)	0.66 (17)	5.88 (149)
365 TCZ	24 (610)	18 (457)	16.25 (413)	9 (229)	7 (178)	6.13 (156)	0.66 (17)	5.88 (149)
404 TCZ	27.25 (692)	20 (508)	16.25 (413)	10 (254)	8 (203)	6.13 (156)	0.81 (21)	6.63 (168)
405 TCZ	28.75 (730)	20 (508)	17.75 (451)	10 (254)	8 (203)	6.88 (175)	0.81 (21)	6.63 (168)

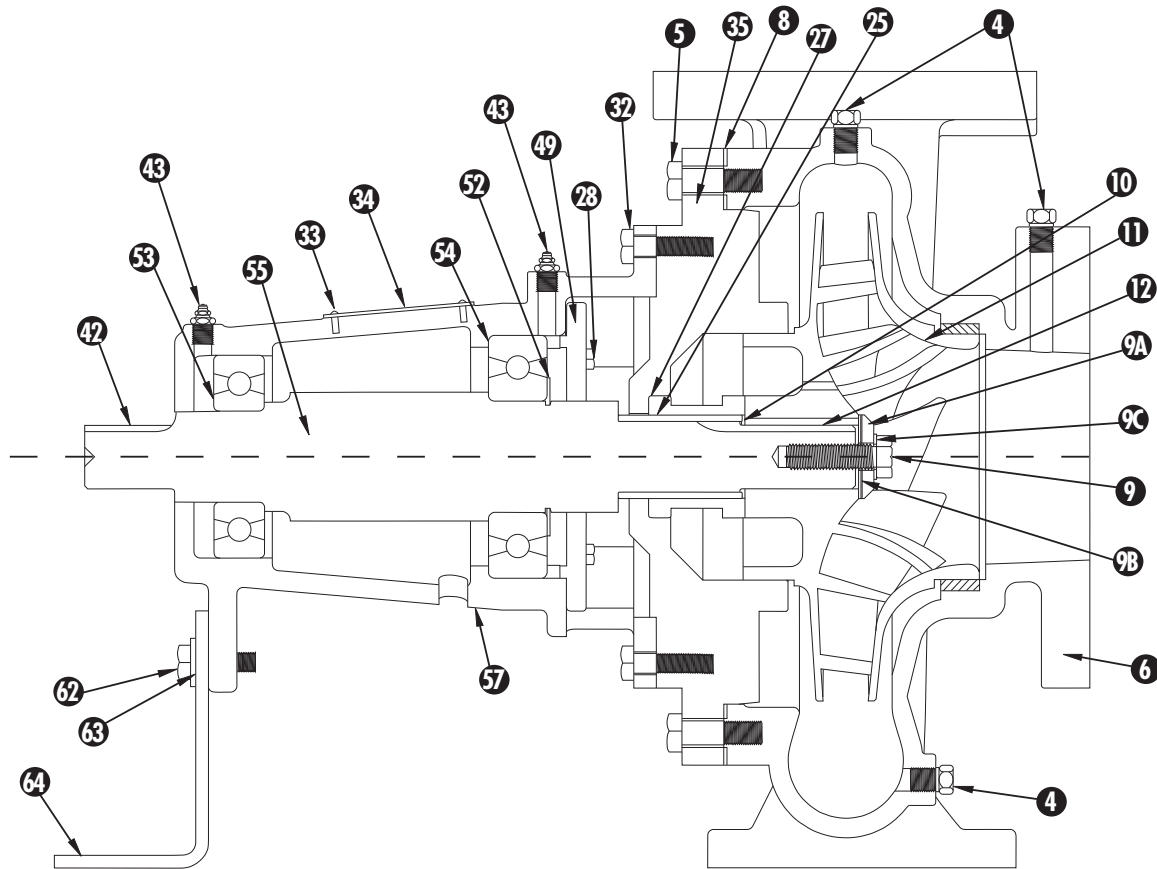
*Standard Flanges 125 lb. per ANSI B16.5

• 364 & above are TCZ not JM frames

NOTES:

1. All dimensions in inches (mm).
2. Dimensions may vary $\pm 1/4$.
3. Not for construction purposes unless certified.

Aurora 3340 Pump

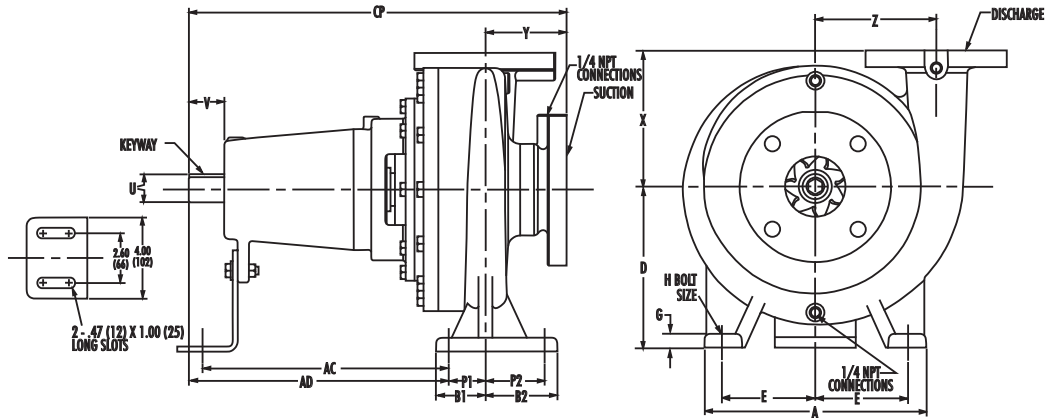


Standard – 3344

- Regreaseable bearings
- Coupling guard
- Cast Iron, Bronze Fitted Construction
- Formed steel bases
- Double Volute on 4" discharge and larger to reduce bearing loads.
- Suction Splitter on some 3" and all 4" suction and larger to eliminate pre-rotation.
- Heavy duty power frame with regreaseable bearings for long life.
- Gauge taps on suction discharge standard on flanged models.
- Shaft sleeve to protect high strength JM design shaft.
- Casing feet for easy back pull out.

- | | | | |
|-----|----------------------|-----|---------------------|
| 4. | .25 NPT Pipe Plug | 33. | Nameplate Screw |
| 5. | Casing Bolts | 34. | Nameplate |
| 6. | Casing | 35. | Seal Plate |
| 8. | Casing Gasket | 42. | Power Frame Key |
| 9. | Impeller Bolt | 43. | Grease Fitting |
| 9A. | Impeller Washer | 49. | Bearing Cap |
| 9B. | Imp. Washer Gasket | 52. | Bearing Snap Ring |
| 9C. | Impeller Bolt Gasket | 53. | Inboard Bearing |
| 10. | Shaft Sleeve Gasket | 54. | Outboard Bearing |
| 11. | Impeller | 55. | Shaft |
| 12. | Impeller Key | 57. | Power Frame |
| 25. | Shaft Sleeve | 62. | Foot Support Bolt |
| 27. | Seal | 63. | Foot Support Washer |
| 28. | Bearing Plate Bolts | 64. | Support Foot |
| 32. | Power Frame Bolts | | |

3344 Product Offering



PUMP SIZE	DISCH	SUCT	D	X	Y	Z	P1	P2	B1	B2	G	H	E	A	AC	AD	CP
1.25 x 1.5 x 7S (NPT)	1.25	1.5	7 (178)	5 (127)	3.25 (83)	4.5 (114)	1.38 (35)	1.63 (41)	2.38 (60)	2.63 (67)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	9 (229)	9.88 (251)	14.5 (368)
1.5 x 2 x 7S (NPT)	1.5	2	7 (178)	6 (152)	3.13 (79)	4.63 (117)	1.44 (37)	1.56 (40)	2.44 (62)	2.56 (65)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	9 (229)	9.88 (251)	14.44 (367)
1.5 x 2 x 11S (NPT)	1.5	2	8 (203)	9 (229)	3.13 (79)	5.75 (146)	1.44 (37)	2.94 (75)	2.25 (57)	3.75 (95)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	9 (229)	9.88 (251)	14.44 (367)
1.5 x 2 x 11L (NPT)	1.5	2	8 (203)	9 (229)	3.13 (79)	5.75 (146)	1.44 (37)	2.94 (75)	2.25 (57)	3.75 (95)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	12 (305)	12.94 (329)	17.5 (445)
1.5 x 2 x 12S (NPT)	1.5	2	10 (254)	7.75 (197)	2.75 (70)	5.75 (146)	1.94 (49)	2.19 (56)	2.87 (73)	3.75 (95)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	9 (229)	9.88 (251)	14.56 (370)
2 x 2.5 x 7S	2	2.5	7 (178)	6.5 (165)	3.5 (89)	4.75 (121)	1.56 (40)	1.44 (37)	2.56 (65)	2.44 (62)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	9 (229)	9.88 (251)	14.94 (379)
2 x 2.5 x 9.5S	2	2.5	8 (203)	7 (178)	4 (102)	5.88 (149)	1.56 (40)	2.81 (71)	2.38 (60)	3.63 (92)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	9 (229)	9.88 (251)	15.44 (392)
2 x 2.5 x 9.5L	2	2.5	8 (203)	7 (178)	4 (102)	5.88 (149)	1.56 (40)	2.81 (71)	2.38 (60)	3.63 (92)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	12 (305)	13 (330)	18.56 (472)
2 x 3 x 11S	2	3	10 (254)	8 (203)	5.5 (140)	6.5 (165)	2.23 (57)	2.77 (70)	3.23 (82)	3.77 (96)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	7.63 (194)	8.5 (216)	16.25 (413)
2 x 3 x 11L	2	3	10 (254)	8 (203)	5.5 (140)	6.5 (165)	2.23 (57)	2.77 (70)	3.23 (82)	3.77 (96)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	10.13 (257)	11.75 (298)	19.5 (495)
2 x 3 x 13.5L	2	3	10 (254)	9 (229)	5.5 (140)	7.25 (184)	2 (51)	3 (76)	3 (76)	4 (102)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	10.13 (257)	12.13 (308)	19.63 (498)
2.5 x 3 x 7S	2.5	3	7 (178)	6 (152)	4.25 (108)	4.69 (120)	1.63 (41)	1.38 (35)	2.63 (67)	2.38 (60)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	9 (229)	9.88 (251)	15.75 (400)
2.5 x 3 x 9.5S	2.5	3	8 (203)	6.75 (171)	4 (102)	6 (152)	1.63 (41)	2.75 (70)	2.44 (62)	3.56 (90)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	9 (229)	9.88 (251)	15.50 (394)
2.5 x 3 x 9.5L	2.5	3	8 (203)	6.75 (171)	4 (102)	6 (152)	1.63 (41)	2.75 (70)	2.44 (62)	3.56 (90)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	12 (305)	13 (330)	18.63 (473)
2.5 x 3 x 13.5L	2	3	10 (254)	9 (229)	6 (152)	8 (203)	2 (51)	3 (76)	3 (76)	4 (102)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	10.13 (257)	12.13 (308)	20.25 (514)
3 x 4 x 7S	3	4	7 (178)	6 (152)	4.13 (105)	5 (127)	1.69 (43)	1.31 (33)	2.69 (68)	2.31 (59)	0.63 (16)	0.44 (11)	3.25 (83)	8 (203)	9 (229)	9.88 (251)	15.69 (398)
3 x 4 x 7L	3	4	7 (178)	6 (152)	4.13 (105)	5 (127)	1.69 (43)	1.31 (33)	2.69 (68)	2.31 (59)	0.63 (16)	0.44 (11)	3.25 (83)	12 (305)	12 (305)	13 (330)	18.81 (478)
3 x 4 x 9.5S	3	4	8 (203)	7.5 (191)	4.75 (121)	6.13 (156)	1.81 (46)	2.56 (65)	2.69 (68)	3.31 (84)	0.75 (19)	0.44 (11)	4.56 (116)	11 (279)	9 (229)	9.88 (251)	16.31 (414)
3 x 4 x 9.5L	3	4	8 (203)	7.5 (191)	4.75 (121)	6.13 (156)	1.81 (46)	2.56 (65)	2.69 (68)	3.31 (84)	0.75 (19)	0.44 (11)	4.56 (116)	11 (279)	12 (305)	13 (330)	19.56 (497)
3 x 4 x 11S	3	4	10 (254)	9.5 (241)	5.5 (140)	7.38 (187)	2.44 (62)	2.56 (65)	3.44 (87)	3.56 (91)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	7.88 (200)	8.5 (216)	16.38 (416)
3 x 4 x 11L	3	4	10 (254)	9.5 (241)	5.5 (140)	7.38 (187)	2.44 (62)	2.56 (65)	3.44 (87)	3.56 (91)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	10.13 (257)	11.63 (295)	19.56 (497)
3 x 4 x 13.5L	3	4	10 (254)	9.5 (241)	5.63 (143)	8 (203)	2.13 (54)	2.88 (73)	3.13 (80)	3.88 (98)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	10.13 (257)	12.06 (306)	19.82 (503)

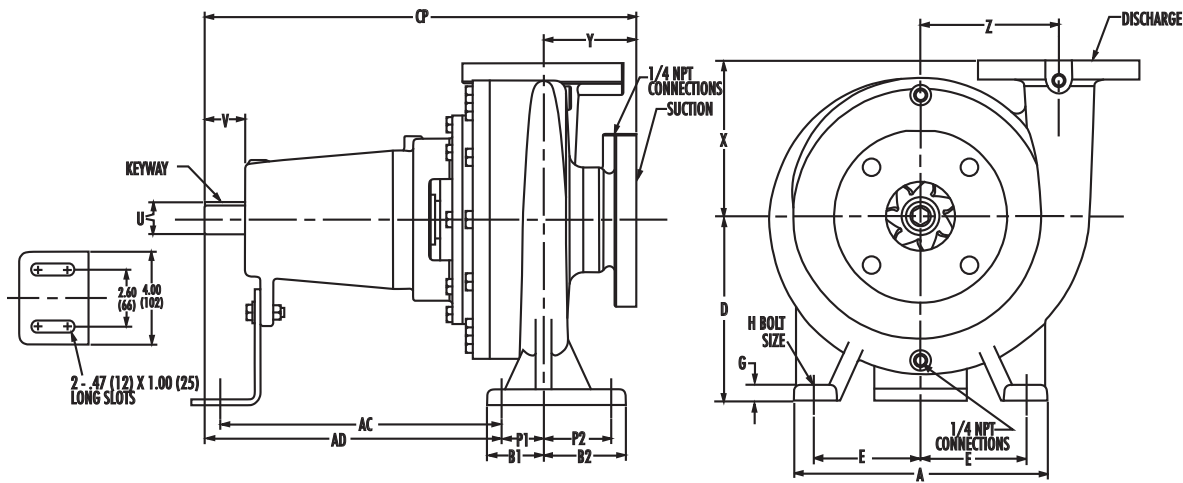
*Standard Flanges 125 lb. per ANSI B16.5

NOTES:

1. All dimensions in inches (mm).
 2. Dimensions may vary $\pm 1/4$.
 3. Not for construction purposes unless certified.
 4. S-denotes small power frame; L-denotes large power frame; XL-denotes extra large power frame.
- ◆ Available in 125# suction /250# discharge.

POWER FRAME	U	V	KEY
Small	1 (25)	1.63 (41)	.25 SQ. x 1.25 LNG (6) x (30)
Large	1.25 (32)	1.75 (44)	.25 SQ. x 1.25 LNG (6) x (30)
Extra Large	1.88 (48)	3.5 (89)	.50 SQ. x 2.63 LNG (13) x (67)

3344 Product Offering



PUMP SIZE	DISCH	SUCT	D	X	Y	Z	P1	P2	B1	B2	G	H	E	A	AC	AD	CP
4 x 5 x 7S	4	5	8 (203)	7.5 (191)	4.94 (125)	5.75 (146)	2.25 (57)	2.13 (54)	3.06 (78)	2.94 (75)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	9 (229)	9.88 (251)	17.06 (433)
4 x 5 x 7L	4	5	8 (203)	7.5 (191)	4.94 (125)	5.75 (146)	2.25 (57)	2.13 (54)	3.06 (78)	2.94 (75)	0.69 (17)	0.44 (11)	4.56 (116)	11 (279)	12 (305)	13 (330)	20.19 (513)
4 x 5 x 9.5S	4	5	10 (254)	8 (203)	5 (127)	7 (178)	1.88 (48)	2.5 (64)	2.69 (68)	3.31 (84)	0.75 (19)	0.44 (11)	4.56 (116)	11 (279)	9 (229)	9.88 (251)	16.75 (425)
4 x 5 x 9.5L	4	5	10 (254)	8 (203)	5 (127)	7 (178)	1.88 (48)	2.5 (64)	2.69 (68)	3.31 (84)	0.75 (19)	0.44 (11)	4.56 (116)	11 (279)	12 (305)	13 (330)	19.88 (505)
4 x 5 x 11S	4	5	10 (254)	9.75 (248)	5.56 (141)	7.25 (184)	2.41 (61)	2.94 (75)	3.59 (91)	3.59 (91)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	7.63 (194)	8.5 (216)	16.5 (419)
4 x 5 x 11L	4	5	10 (254)	9.75 (248)	5.56 (141)	7.25 (184)	2.41 (61)	2.94 (75)	3.59 (91)	3.59 (91)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	10.13 (257)	11.75 (298)	19.69 (500)
4 x 5 x 13.5L	5	5	11 (279)	10 (254)	6 (152)	8.56 (218)	2.25 (57)	2.75 (70)	3.25 (83)	3.75 (95)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	10.13 (257)	11.50 (292)	19.75 (502)
5 x 6 x 7S	5	6	10 (254)	8.5 (216)	5.81 (148)	6.25 (159)	2.81 (71)	1.56 (40)	3.63 (92)	2.38 (60)	0.69 (18)	0.44 (11)	4.56 (116)	11 (279)	9 (229)	9.88 (251)	18.5 (470)
5 x 6 x 7L	5	6	10 (254)	8.5 (216)	5.81 (148)	6.25 (159)	2.81 (71)	1.56 (40)	3.63 (92)	2.38 (60)	0.69 (18)	0.44 (11)	4.56 (116)	11 (279)	12 (305)	13 (330)	21.63 (549)
5 x 6 x 9.5S	5	6	11 (279)	10 (254)	6 (152)	7.5 (191)	2.19 (59)	2.81 (71)	3.19 (81)	3.19 (81)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	9 (229)	9.88 (251)	18.06 (459)
5 x 6 x 9.5L	5	6	11 (279)	10 (254)	6 (152)	7.5 (191)	2.19 (59)	2.81 (71)	3.19 (81)	3.19 (81)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	12 (305)	13 (330)	21.19 (538)
5 x 6 x 11L	5	6	11 (279)	10.5 (267)	5.44 (138)	7.94 (202)	2.59 (66)	2.41 (61)	3.44 (87)	3.56 (91)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	10.13 (257)	11.13 (283)	19.19 (487)
5 x 6 x 13.5L	5	6	12 (305)	13 (330)	6 (152)	9 (229)	4.19 (106)	4.81 (122)	5.19 (132)	5.81 (148)	1 (25)	0.63 (16)	10.5 (267)	23 (584)	8.38 (213)	10.13 (257)	20.31 (516)
5 x 6 x 13.5XL	5	6	12 (305)	13 (330)	6 (152)	9 (229)	4.19 (106)	4.81 (122)	5.19 (132)	5.81 (148)	1 (25)	0.63 (16)	10.5 (267)	23 (584)	12 (305)	14.38 (365)	24.56 (624)
6 x 8 x 9.5L	6	8	11 (279)	10.5 (267)	7 (178)	8.25 (210)	3.13 (79)	1.88 (48)	4.13 (105)	2.88 (73)	0.88 (22)	0.5 (13)	7 (178)	16 (406)	12 (305)	13 (330)	23.13 (587)
6 x 8 x 11L	6	8	12 (305)	11 (279)	6.13 (156)	8.47 (215)	4.63 (117)	4.38 (111)	5.63 (143)	5.38 (137)	1 (25)	0.63 (16)	10.5 (267)	23 (584)	8.38 (213)	10.5 (267)	21.25 (540)
6 x 8 x 13.5XL	6	8	12.63 (321)	13.38 (340)	6.5 (165)	9.31 (237)	4.5 (114)	4.5 (114)	5.5 (140)	5.5 (140)	1 (25)	0.63 (16)	10.5 (267)	23 (584)	12 (305)	14.06 (357)	25.06 (637)
8 x 10 x 13.5XL	8	10	15 (381)	14 (356)	8 (203)	11 (279)	4.5 (114)	4.5 (114)	5.5 (140)	5.5 (140)	1 (25)	0.63 (16)	10.5 (267)	23 (584)	12 (305)	12.94 (329)	26.44 (672)

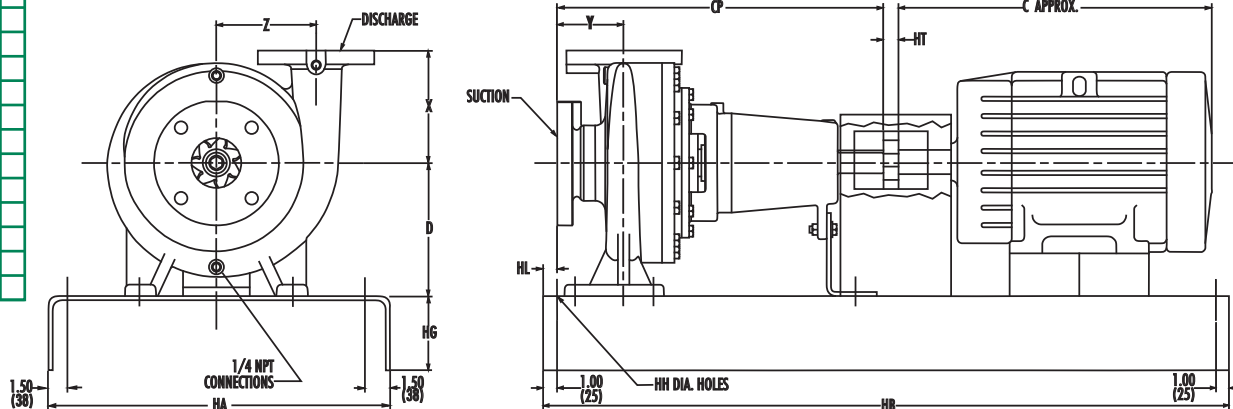
*Standard Flanges 125 lb. per ANSI B16.5

POWER FRAME	U	V	KEY
Small	1 (25)	1.63 (41)	.25 SQ. x 1.25 LNG (6) x (30)
Large	1.25 (32)	1.75 (44)	.25 SQ. x 1.25 LNG (6) x (30)
Extra Large	1.88 (48)	3.5 (89)	.50 SQ. x 2.63 LNG (13) x (67)

NOTES:

1. All dimensions in inches (mm).
 2. Dimensions may vary $\pm 1/4$.
 3. Not for construction purposes unless certified.
 4. S-denotes small power frame; L-denotes large power frame; XL-denotes extra large power frame.
- ◆ Available in 125# suction /250# discharge.

3344 Product Offering



BASE	SIZE	HA	HB	HG	HH
1	12 X 30	12 (305)	30 (762)	3 (76)	0.63 (16)
2	12 X 34	12 (305)	34 (864)	3 (76)	0.63 (16)
3	12 X 38	12 (305)	38 (965)	3 (76)	0.63 (16)
4	13 X 45	13 (330)	45 (1143)	4 (102)	0.75 (19)
5	15 X 48	15 (381)	48 (1219)	3.38 (86)	0.75 (19)
6	18 X 50	18 (457)	50 (1270)	4 (102)	0.75 (19)
7	22 X 54	22 (559)	54 (1372)	4 (102)	0.75 (19)
8	26 X 54	26 (660)	54 (1372)	4 (102)	0.75 (19)
9	15 X 42	15 (381)	42 (1067)	0.38 (10)	0.75 (19)
10	18 X 42	18 (457)	42 (1067)	4 (102)	0.75 (19)
11	22 X 60	22 (559)	60 (1524)	4 (102)	0.75 (19)
12	26 X 60	26 (660)	60 (1524)	4.5 (114)	0.75 (19)
13	26 x 66	26 (660)	66 (1676)	4.5 (114)	0.75 (19)

*Standard Flanges 125 lb. per ANSI B16.5

MOTOR HORSEPOWER AND FRAME DESIGNATION						
HORSEPOWER	3600 RPM		1800 RPM		1200 RPM	
RATING	ODP	TEFC	ODP	TEFC	ODP	TEFC
1/2	56	-	56	56	56	56
3/4	56	56	56	56	56	56
1	56	56	143T	143T	145T	145T
1-1/2	143T	143T	145T	145T	182T	182T
2	145T	145T	145T	145T	184T	184T
3	145T	182T	182T	182T	213T	213T
5	182T	184T	184T	184T	215T	215T
7-1/2	184T	213T	213T	213T	254T	254T
10	213T	215T	215T	215T	256T	256T
15	215T	254T	254T	254T	284T	284T
20	254T	256T	256T	256T	286T	286T
25	256T	284TS	284T	284T	324T	324T
30	284TS	286TS	286T	286T	326T	326T
40	286TS	324TS	324T	324T	364T	364T
50	324TS	326TS	326T	326T	365T	365T
60	326TS	364TS	364TS	364TS	404T	404T
75	364TS	365TS	365TS	365TS	405T	405T
100	365TS	405TS	404TS	405TS	444T	444T
125	404TS	444TS	405TS	444TS	445T	445T
150	405TS	445TS	444TS	445TS	-	-
200	444TS	-	445TS	-	-	-

POWER FRAME	U	V	KEY
Small	1 (25)	1.63 (41)	.25 SQ. x 1.25 LNG (6) x (30)
Large	1.25 (32)	1.75 (44)	.25 SQ. x 1.25 LNG (6) x (30)
Extra Large	1.88 (48)	3.5 (89)	.50 SQ. x 2.63 LNG (13) x (67)

SEE DIMENSION SHEETS FOR ADDITIONAL DIMENSION DETAILS.

3340 Casing Working Pressure

With 125 lb flanges: 175 psi (maximum hydrostatic test pressure of 265 psi)

With 250 lb flanges: Allowable total discharge pressure is limited to 1.5 times maximum pump shut off pressure for maximum diameter at highest available speed. Maximum hydrostatic test pressure is limited by the suction flange rating times 1.5 equaling 265 psi.

NOTES:

1. Dimensions are approximate.
2. Dimensions are in inches (mm) and may vary $\pm 1/4$ (6).
3. Conduit box is shown in approximate position. Dimensions are not specified as they vary with each motor manufacturer.
4. Not for construction purposes unless certified.

Engineering Specifications

Aurora Pump 3340 Series Specifications

The contractor shall furnish (and install as shown on the plans) Aurora model (3341 horizontal close coupled) (3344 horizontal flexible coupled) back pull out centrifugal pump size...x...x... of bronze fitted construction.

Each pump shall have a capacity of ... GPM at ... ft of total head, with a temperature of ... F°, ... specific gravity. Each pump is to be furnished with a mechanical seal with all metals parts to be 303 stainless steel with "Buna-N" elastomers, ceramic seat, and carbon washer. The unit must be equipped with (bronze) key-locked shaft sleeve that extends the length of the seal plate. The pump shaft extension shall be gasket sealed from the pumped liquid. Impellers to be bronze cast, dynamically balanced, and key locked to the shaft.

Flexible Coupled-Frame Mounted (3344)

Pump and motor are to be mounted on a common fabricated steel base plate. The shaft is to be steel, installed in a cast iron power frame. Pumps shall have a shaft design of .002" deflection at the seal face with the pump running under maximum load condition. Grease ball bearings, have a 3-year minimum life (AFBMA B10) under the maximum condition of load. The pump shall be flexible coupled to a standard horizontal NEMA ... HP... phase ... Hertz... volts ...RPM (open drip proof) (totally enclosed fan cooled) motor. Alignment shall be checked in accordance with the standards of the Hydraulic Institute after installation and there shall be no strain transmitted to the pumps.

Close-coupled (3341)

Each pump is to be close coupled to a HI-NEMA-JM Series HP.... Phase ... Hertz... volts ...RPM (open drip proof) (totally enclosed fan cooled) motor.

All 3341 models shall have motors supplied with feet.

Material of Construction

Pump Part	Bronze Fitted
Casing	Cast Iron ASTM A48
Impeller	Bronze ASTM B584
Seal Plate/Motor Bracket	Cast Iron ASTM A48
Shaft	Steel AISI 1018
Sleeve	Bronze ASTM B62
Power Frame (3344) (Small, Large or X-Large)	Cast Iron ASTM A48
Mechanical Seal	303 stainless steel metal parts, "Buna-N" elastomer parts, Ceramic seat and carbon washer

Design Details

Area	Description	Power Frame		
		Small	Large	X-Large
Pump Shaft	Rotation—from driver end	CW	CW	CW
	Diameter at impeller	.88	1.25	1.63
	Diameter at shaft sleeve	1	1.38	1.75
	Diameter between bearings	1.94	2.50	2.56
	Diameter at coupling end	1	1.25	1.88
	Coupling key—square	.25	.25	.50
	Max. deflection at seal face	.002	.002	.002
Ball Bearings	Bearing (inboard radial)	6208	6309	6213
	Bearing (outboard thrust)	6308	6311	6313
	Bearing centers	3.63	5.44	7.25
	Bearing type	Ball	Ball	Ball
	Min B ₁₀ bearing life under maximum load	3 years	3 years	3 years
Sleeve	Outside diameter of sleeve	1.25	1.63	2

NOTE: Aurora Pump reserves the right to make revisions to its products and their specifications, and to this bulletin and related information, without notice.

— Your Authorized Local Distributor —

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