

	B5434 & B5434K (9)				C5435	B5436
Pump Size (Discharge Size)	4	5	6	8	4	5
Suction Size (Standard)	5	6	8	10	4	8
Suction Size (Optional)	6.8	8	6	8	6	NA
Nominal Wear Ring Clearance	.020	.020	.025	.025	.020	.020
<b>Impeller Fastener:</b>						
Size	3/4-10	3/4-10	3/4-10	3/4-10	7/8-9	7/8-9
Tightening Torque (lb.-ft.)	200	200	200	200	240	240
<b>Impeller:</b>						
Weight (lbs)	103.0	89.3	169.3	102.1	103.0	89.3
Inlet Area (sq. inches.)	47.01	58.39	(5)	(6)	35.65	52.05
WR <sup>2</sup> (lb.-ft. <sup>2</sup> ) (6)	22.2	27.9	(7)	(8)	23.06	18.4
Sphere Size (Maximum)	3	4	(5)	(6)	3	3
Volute Cleanout Diameter	27/8	41/4	47/8	47/8	27/8	37/8
Suction Elbow Cleanout Diam.	5	5	6	6	3	6
Vent/Priming Tap Size (NPT)	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
Hydrostatic Test, PSI (10)	160	90	80	80	190	190
Casing Working, PSI (10)	100	75	75	75	125	125
Nominal Casing Thickness	9/16	1/2	1/2	1/2	11/16	11/16
Operating Temperature °F (10)	150	150	150	150	150	150
Anchor Bolt Size, recommended	7/8	7/8	7/8	7/8	7/8	7/8
Minimum Diameter Round Opening to Install Pump	46	48	50	52	46	48

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

Motor Frame Size	256-326	364-365	404-405	444
<b>Shaft Diameter</b>				
At Impeller	1 3/4	1 3/4	2 1/4	2 1/4
At Sleeve	1 3/4	2	2 1/4	2 1/2
<b>Sealing Box</b>				
<u>Mechanical Seal</u>				
Type	Double	Double	Double	Double
Recommended Flush Water:				
Pressure	(3)	(3)	(3)	(3)
Flow (GPM)	1/2-1	1/2-1	1/2-1	1/2-1
Sleeve OD	2	2 1/4	2 1/2	2 3/4
Box ID	2 3/4	3 1/8	3 3/8	3 1/2
Box Depth	2 7/8	3	3	3 1/8
Box Inlet Tap Size (NPT)	1/4	1/4	1/4	1/4
Box Outlet Tap Size (NPT)	1/4	1/4	1/4	1/4

- (1) Above motors are NEMA "P" base.
- (2) All dimensions are in inches.
- (3) Shutoff pressure or 10 PSI above operating pressure whichever is greater.
- (4) NA = not available.
- (5) TAJC5BH impeller has an inlet area of 60.58 sq.in and can pass a 3" sphere; TAJC5DC impeller has an inlet area of 70.85 sq. in. and can pass a 4" sphere; TAJC5BJ impeller has an inlet area of 64.55 sq. in. and can pass a 3" sphere.
- (6) T8D1A impeller has an inlet area of 62.99 sq. in. and can pass a 3 1/2" sphere; TAKC5W impeller has an inlet area of

- 99.93 sq. in. and can pass a 5" sphere; T8D1D impeller has an inlet area of 72.94 sq. in. and can pass a 4" sphere.
- (7) TAJC5BH and TAJC5BJ impellers WR<sup>2</sup> = 31.4, TAJC5DC impeller WR<sup>2</sup> = 17.9.
- (8) Impeller WR<sup>2</sup> values are as follows: T8D1A = 12.6, TAKC5W = 35.0, T8D1D = 18.7.
- (9) Bladeless impeller available on 6" and 8" units only.
- (10) These are maximum values based on standard construction. If higher values are required, contact the factory.