

	B5435 & K (5)		B5436	
Pump Size (Discharge Size)	8	10	6	8
Suction Size (Standard)	8	10	10	12
Suction Size (Optional)	10	12	NA	NA
Nominal Wear Ring Clearance	.025	.030	.025	.025
<b>Impeller Fastener:</b>				
Size	7/8-9	7/8-9	1 1/4-7	7/8-9
Tightening Torque (lb.-ft.)	240	240	240	240
<b>Impeller:</b>				
Weight (lbs)	302.0	380.0	133.0	342.0
Inlet Area (sq. inches.)	(6)	127.43	59.32	93.22
WR <sup>2</sup> (lb.-ft <sup>2</sup> ) (6)	58.7	118.0	27.7	106.0
Sphere Size (Maximum)	5	6	3	5
Volute Cleanout Diameter	5 1/8	4 7/8	5 1/8	5 1/8
Suction Elbow Cleanout Diam.	6	6	6	6
Vent/Priming Tap Size (NPT)	1/4	1/4	1/4	1/4
<b>Gauge Tap Size</b>				
Suction & Discharge (NPT)	1/2	1/2	1/2	1/2
Hydrostatic Test, PSI (8)	115	115	225	150
Casing Working, PSI (8)	75	75	150	100
Nominal Casing Thickness	3/4	3/4	7/8	3/4
Operating Temperature °F (8)	150	150	150	150
Anchor Bolt Size, recommended	1 1/8	1 1/8	1 1/8	1 1/8
Minimum Diameter Round Opening to Install Pump	70	72	62	70

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

Motor Frame Size	324-405	444-445	Above NEMA (7)
<b>Shaft Diameter</b>			
At Impeller	2 1/4	2 1/4	2 3/4
At Sleeve	2 1/4	2 1/2	2 3/4
<b>Sealing Box</b>			
<u>Mechanical Seal</u>			
Type	Double	Double	Double
Recommended Flush Water:			
Pressure	(3)	(3)	(3)
Flow (GPM)	1/2-1	1/2-1	1/2-1
Sleeve OD	2 1/2	2 3/4	3
Box ID	3 3/8	3 1/2	3 7/8
Box Depth	3	3 1/8	3 1/8
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 "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) Bladeless impeller available on 10" unit only.
- (6) TAKE5N impeller has an inlet area of 130.29 sq.in.; TAKE5U impeller has an inlet area of 108.36 sq. in.
- (7) Frame size designation will vary depending on motor manufacturer.
- (8) These are maximum values based on standard construction. If higher values are required, contact the factory.