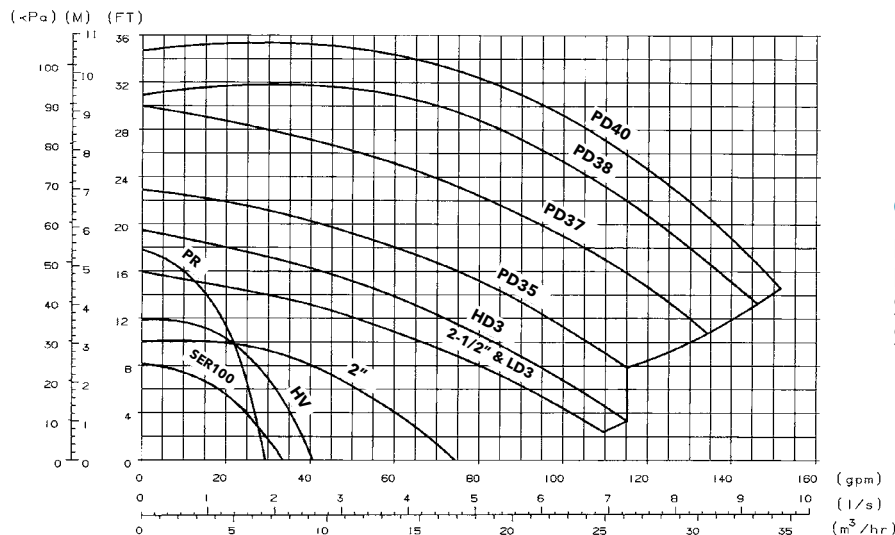
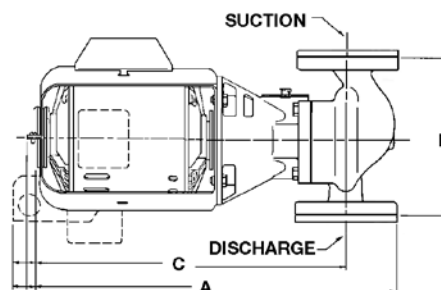


CIRCULATORS Oil Lubricated Circulators Three-Piece



Operating Data

Maximum Working Pressure: 125 PSI (8.6 bar)
Maximum Operating Temperature:
Standard Seal: 225°F (107°C) continuous
Special Seals: 250°F (121°C) continuous



Specifications

Model Number	Cast Iron		Bronze		Flange Sizes Inches - NPT	Standard 60 Hz Motor Characteristics*			Dimension Inches (mm)@ 60Hz			Approx. Shpg. Wt. lbs (kg)	
	Model Number	Part Number	Model Number	Part Number		HP	Ø	Voltage	A	B	C	Cast Iron	Bronze
Series 100	100 NFI	106189	100 AB	106192LF	3/4, 1, 1-1/4, 1 1/2	1/12	1	115 with built-in overload protection	14 7/8 (378)	6 3/8 (162)	12 3/4 (324)	20 (9)	21 (10)
	100 BI	106190	100 BNFI	106197LF		1/12							
Series PR	PR	102206	PR AB	102208LF	3/4, 1, 1-1/4, 1 1/2	1/6			15 1/4 (387)	8 1/2 (216)	12 3/4 (324)	30 (14)	32 (15)
	PR BI	102207	PR AB	102231LF		1/6							
Series HV	HV NFI	102210	HV AB	102213LF	1, 1-1/4, 1 1/2	1/6			15 3/8 (391)	8 1/2 (216)	13 (330)	28 (13)	30 (14)
	HV BI	102230	HV BNFI	102213LF		1/6							
2"	2 NFI	102214	2 AB	102233LF	2	1/6			16 5/8 (422)	8-1/2 (216)	14 (356)	36 (16)	39 (18)
	2 BI	102232	2 BNFI	102217LF		1/6							
2 1/2"	2 1/2	102218	2 1/2 AB	102220LF	2 1/2	1/4			17 1/4 (438)	10 (254)	14 (356)	54 (24)	58 (26)
	2 1/2 BI	102219	2 1/2 AB	102220LF		1/4							
LD3	LD3	102222	LD3 AB	102224LF	3	1/4			17 1/4 (438)	10 (254)	14 (356)	53 (24)	57 (26)
	LD3 BI	102223	LD3 AB	102224LF		1/4							
HD3	HD3	102226	HD3 AB	102228LF	3	1/3		115/230	17 1/2 (445)	10 (254)	14 1/4 (362)	55 (25)	59 (27)
	HD3 BI	102227	HD3 AB	102228LF		1/3							
PD-35S	PD35S	105089	PDB35S	105092LF	3	1/2	1	115/230	20 1/4 (514)	12 (305)	16 7/8 (429)	75 (34)	80 (36)
	PD35S BI	105090	PDB35S	105092LF		1/2	1						
PD-35T	PD35T	105093	PDB35T	105096LF	3	1/2	3	208-230/460	20 1/4 (514)	12 (305)	16 7/8 (429)	75 (34)	80 (36)
	PD35T BI	105094	PDB35T	105096LF		1/2	3						
PD-37S	PD37S	105097	PDB37S	105100LF	3	3/4	1	115/230	20 1/4 (514)	12 (305)	16 7/8 (429)	75 (34)	80 (36)
	PD37S BI	105098	PDB37S	105100LF		3/4	1						
PD-37T	PD37T	105101	PDB37T	105104LF	3	3/4	3	208-230/460	20 1/4 (514)	12 (305)	16 7/8 (429)	75 (34)	80 (36)
	PD37T BI	105102	PDB37T	105104LF		3/4	3						
PD-38S	PD38S	105121	PDB38S	105123LF	3	1	1	115/230	22 3/4 (578)	14-1/2 (368)	19 (483)	128 (58)	138 (63)
	PD38S BI	105122	PDB38S	105123LF		1	1						
PD-38T	PD38T	105133	PDB38T	105135LF	3	1	3	208-230/460	24 (610)	14-1/2 (368)	20 1/4 (514)	125 (57)	135 (61)
	PD38T BI	105134	PDB38T	105135LF		1	3						
PD-40S	PD40S	105151	PDB40S	105153LF	3	1 1/2	1	115/230	24 3/4 (629)	14-1/2 (368)	21 (533)	130 (59)	140 (64)
	PD40S BI	105152	PDB40S	105153LF		1 1/2	1						
PD-40T	PD40T	105137	PDB40T	105139LF	3	1 1/2	3	208-230/460	21 7/8 (556)	14-1/2 (368)	18 1/8 (460)	127 (58)	137 (62)
	PD40T BI	105138	PDB40T	105139LF		1 1/2	3						

PD-38 and PD-40 are ball bearing, maintenance-free design.

*CSA certified to NSF/ANSI 372 that product contains less than 0.25% lead content by weight on wetted surface.

**Speed motors available upon request. Dimensions are approximate and subject to changes.

Contact factory for certified dimensions

- 1 B&G Motor – The heart of the booster. The finest circulator motor available. Sleeve bearing, oil lubricated with replaceable resilient motor mounts. B&G motors are designed and manufactured specifically for the B&G boosters.
- 2 Noise dampening coupler. B&G's own flexible spring design adds to quiet operation. Do not accept a substitute.
- 3 Long bronze sleeve bearings maintain exact shaft alignment. Provides for constant circulation of oil over bearing surfaces.
- 4 Precision ground pump shaft is oversized to provide large bearing surfaces. Hardened integral thrust collar minimizes end-thrust to ensure long seal and bearing life.
- 5 The B&G mechanical seal is designed to withstand the wide range of water temperatures, pressures, additives and dissolved solids common in hydronic systems.
- 6 Centrifugal impeller prevents accumulation of air at seal faces to assure long life. Close impeller/body tolerances minimize water slippage and maximize efficiency.

