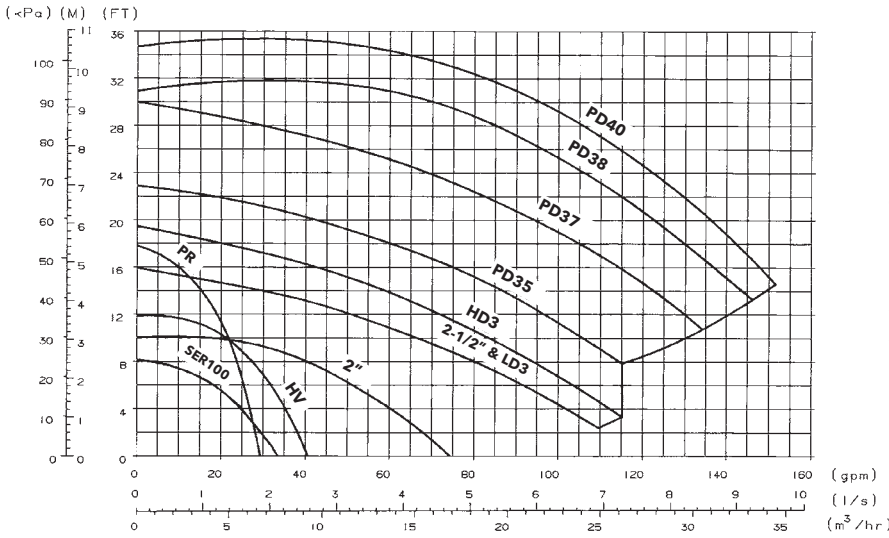
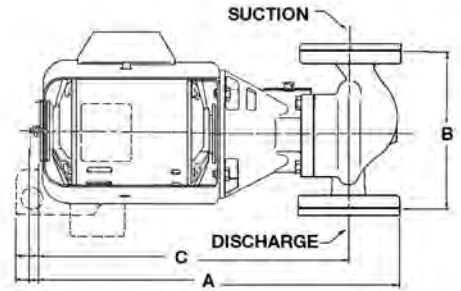


# CIRCULATORS Oil Lubricated Circulators Three-Piece



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

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

\*Special motors available upon request. Dimensions are approximate and subject to changes. Contact factory for certified dimension.

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.

