



Bulletin A-142D

Bell & Gossett®

SERIES PL™

*A Superior Alternative
to Wet Rotor Pumps*



- *Maintenance-free*
- *Easily handles dirty water conditions*
- *Rugged, compact design*
- *25% more efficient than competition*
- *Close-coupled dry motor*

*Quiet, Reliable
Inline Circulators for
Heating/Cooling & Pumping
Systems*

www.bellgossett.com

Engineered for life



SERIES PL™

A Superior Alternative to Wet Rotor Pumps

Description

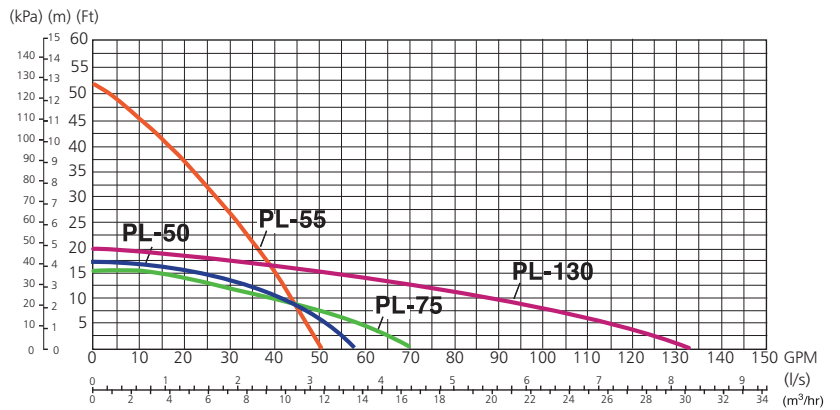
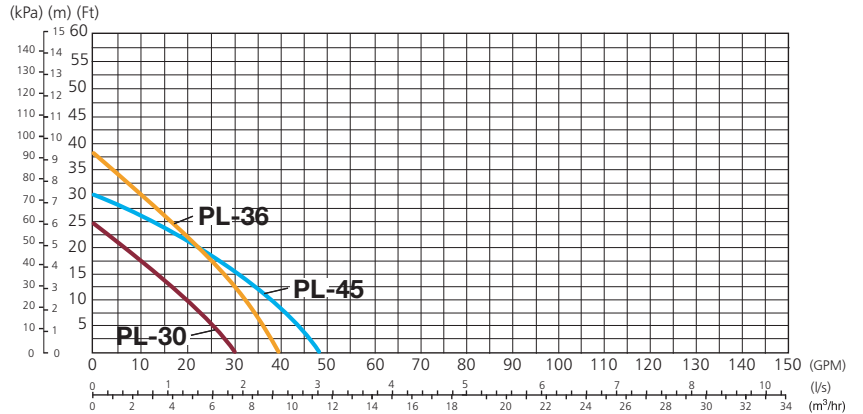
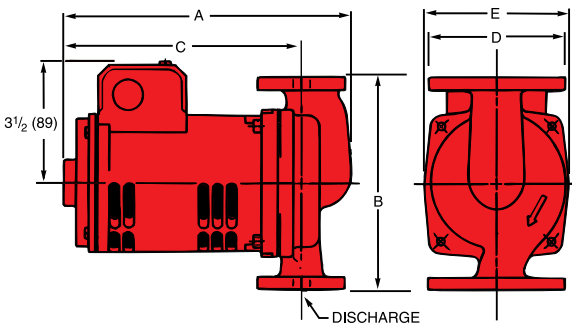
The Series PL™ close coupled booster pumps are specifically designed for quiet operation in hydronic, radiant and geothermal heating and cooling systems. These inline permanently lubricated pumps are available in cast iron or lead-free† bronze body construction.

Operating Data

Maximum working pressure 150 psi (10 bar)
Maximum operating temperature 225°F (107°C)

Materials of Construction

Pump Body Cast Iron or Lead-Free† Bronze
Face Plate Stainless Steel
Impeller 30% Glass Filled Noryl®
PL-55 & PL-130 . . . Glass Filled PPS
Shaft Solid High-Strength Alloy Steel
Seal System Carbon/Silicon Carbide
Bearings XL11™ Permanently Lubricated Sealed Precision Bearings
Motor Type ODP



Dimension & Weights

Cast Iron		Lead-Free† Bronze		Flange Size	Motor Characteristics*				Dimensions in inches (mm) @ 60 Hz (Open Drip-Proof)					Approx. Shipp. Wt. lbs. (Kg)
Model No.	Part No.	Model No.	Part No.	Inches - NPT	HP	ø	Voltage	RPM	A	B	C	D	E	
PL-30	1BL012	PL-30B	1BL013LF	3/4	1/12	1	115	2650	8 5/8 (219)	6 3/8 (162)	7 1/8 (181)	4 3/16 (106)	4 3/8 (111)	11.6 (5.3)
				1 & 1/4										
PL-36	1BL001	PL-36B	1BL003LF	1 1/2	1/6	1	115	3300	8 5/8 (219)	6 3/8 (162)	7 1/8 (181)	4 3/16 (106)	4 3/8 (111)	13.1 (6.0)
				3/4										
PL-45	1BL002	PL-45B	1BL004LF	1	1/6	1	115	3300	9 1/8 (232)	8 1/2 (216)	7 1/4 (184)	4 5/8 (117)	4 3/8 (111)	14.5 (6.6)
				1 1/4 & 1 1/2										
PL-50	1BL016	PL-50B	1BL017LF	1	1/6	1	115	3300	9 1/8 (232)	8 1/2 (216)	7 1/4 (184)	4 5/8 (117)	4 3/8 (111)	14.5 (6.6)
				1 1/4 & 1 1/2										
PL-55	1BL032	PL-55B	1BL068LF	3/4	2/5	1	115	3250	9 9/16 (243)	6 3/8 (162)	7 15/16 (202)	4 3/16 (106)	4 3/4 (121)	13.1 (6.0)
				1 & 1/4										
PL-75	1BL034	PL-75B	1BL069LF	1 1/2	1/6	1	115	3400	9 15/16 (252)	8 1/2 (216)	7 3/8 (187)	5 3/16 (132)	4 5/8 (117)	18.5 (8.4)
				2										
PL-130	1BL063	PL-130B	1BL065LF	2	2/5	1	115	3200	10 3/4 (273)	8 1/2 (216)	8 1/4 (210)	5 3/16 (132)	5 1/8 (130)	22 (10)

* 230/60/1 motors available upon request. Models PL-75 and PL-130 have a four bolt hole flange connection, all others have two bolt hole flange connectors.
Dimensions are approximate and subject to changes. Contact factory for certified dimensions.

† Contains less than 0.25% lead content by weight on wetted surfaces.



ITT

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