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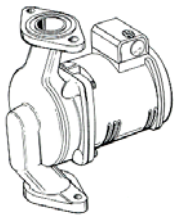
Find the *Bell and Gossett PL-55* at our website: *Click HERE*

Bell & Gossett

SUBMITTAL

A-135D

JOB:	**REPRESENTATIVE:**	
UNIT TAG:	**SUBMITTED BY:**	**DATE:**
ENGINEER:	**APPROVED BY:**	**DATE:**
CONTRACTOR:		



SERIES PL™

Permanently Lubricated Iron & Bronze Booster Pumps

c UL us LISTED

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 bronze body construction.

OPERATING DATA

Maximum working Pressure: 150 psi (10 Bar)
Maximum Operating Temperature: 225°F (107°C)

CONSTRUCTION MATERIALS

Booster Body: Cast Iron or Bronze
Face Plate: Stainless Steel
Impeller: 30% Glass Filled Noryl®
(PL-55 & PL-130): Glass Filled PPS
Shaft: Carbon Steel
(PL-55 & PL-130): Stainless Steel
Shaft Sleeve: Stainless Steel
(PL-55 & PL-130): None
Seal: Mechanical, Carbon on Silicon Carbide
Motor Bearings: Sealed Precision Steel Ball Bearing Permanently Lubricated
Motor Type: ODP
Elastomers: EPDM

SCHEDULE

CAST IRON			BRONZE			STANDARD 60 CYCLE SINGLE PHASE MOTOR CHARACTERISTICS				
MODEL NUMBER	PART NUMBER	QTY.	MODEL NUMBER	PART NUMBER	QTY.	HP	VOLTAGE	F.L. AMPS	RPM	TAGGING INFORMATION
PL-30	1BL012		PL-30B	1BL013		1/12	115	1.4	2650	
PL-30	1BL014		PL-30B	1BL015		1/12	230	0.8	2650	
PL-36	1BL001		PL-36B	1BL003		1/6	115	2.1	3300	
PL-36	1BL006		PL-36B	1BL008		1/6	230	1.1	3300	
PL-45	1BL002		PL-45B	1BL004		1/6	115	2.1	3300	
PL-45	1BL007		PL-45B	1BL009		1/6	230	1.1	3300	
PL-50	1BL016		PL-50B	1BL017		1/6	115	1.8	3300	
PL-50	1BL018		PL-50B	1BL019		1/6	230	1.0	3300	
PL-55	1BL032		PL-55B	1BL068		2/5	115	4.7	3250	
PL-55	1BL033		PL-55B	1BL069		2/5	230	2.4	3250	
PL-75	1BL034		PL-75B	1BL035		1/6	115	2.1	3400	
PL-75	1BL036		PL-75B	1BL037		1/6	230	1.1	3400	
PL-130/2"	1BL063		PL-130B/2"	1BL065		2/5	115	4.8	3200	
PL-130/2"	1BL064		PL-130B/2"	1BL066		2/5	230	2.4	3200	
PL-130/3"	1BL070		PL-130B/3"	1BL072		2/5	115	4.8	3200	
PL-130/3"	1BL071		PL-130B/3"	1BL073		2/5	230	2.4	3200	

Note: Where potable water is pumped, use a bronze booster.
PL boosters equipped with a drip-proof motor are recommended for indoor use only.

Bell & Gossett
ITT Industries
Engineered for life

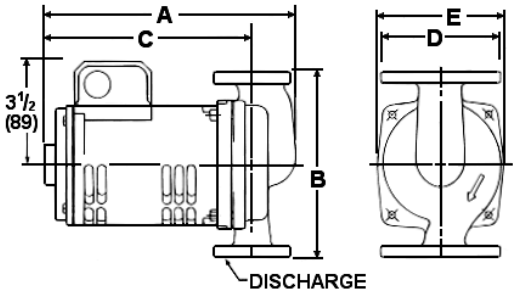
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SERIES PL - Permanently Lubricated Booster Pumps A-135D

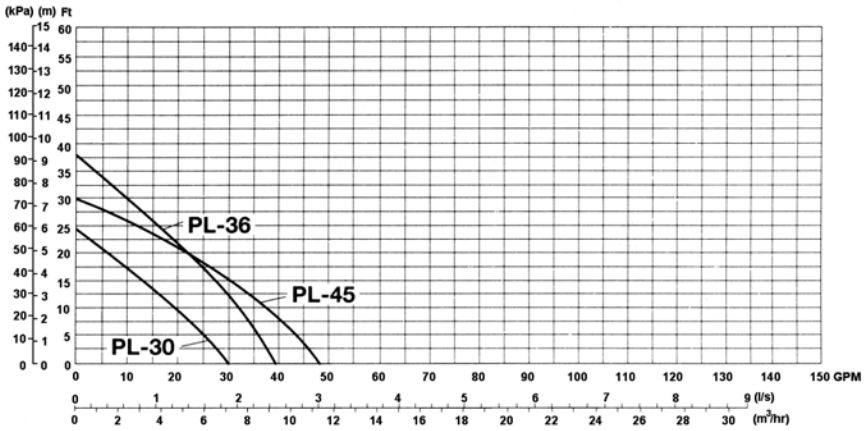
DIMENSIONS AND WEIGHTS

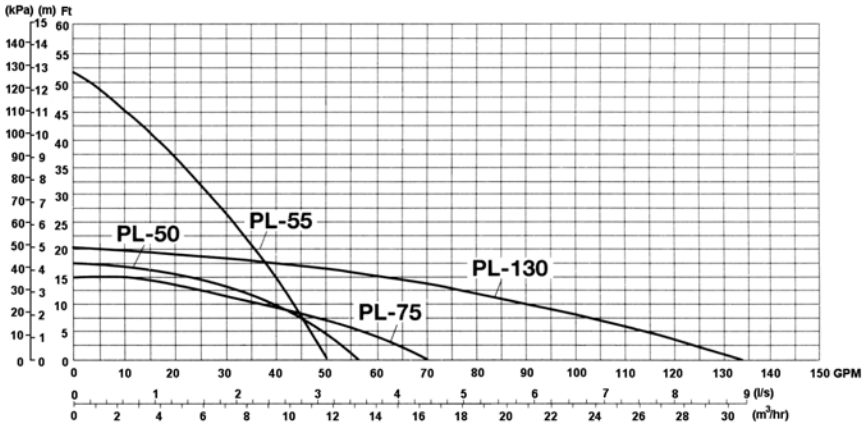
MODEL NO.	FLANGE SIZE INCHES - NPT	MOTOR HP	DIMENSIONS - INCHES (mm)					APPROXIMATE SHIPPING WT. LBS. (KG)
			A	B	C	D	E	
PL-30	3/4, 1, 1-1/4 & 1-1/2	1/12	8 5/8 (219)	6 3/8 (162)	7 1/8 (181)	4 3/16 (106)	4 3/8 (111)	11.6 (5.3)
PL-36	3/4, 1, 1-1/4 & 1-1/2	1/6	8 5/8 (219)	6 3/8 (162)	7 1/8 (181)	4 3/16 (106)	4 3/8 (111)	13.1 (6.0)
PL-45	1, 1-1/4 & 1-1/2	1/6	9 1/8 (232)	8 1/2 (216)	7 1/4 (184)	4 5/8 (117)	4 1/2 (114)	14.5 (6.6)
PL-50	1, 1-1/4 & 1-1/2	1/6	9 1/8 (232)	8 1/2 (216)	7 1/4 (184)	4 5/8 (117)	4 1/2 (114)	14.5 (6.6)
PL-55	3/4, 1, 1-1/4 & 1-1/2	2/5	9 9/16 (243)	6 3/8 (162)	7 15/16 (202)	4 3/16 (106)	4 3/4 (121)	13.1 (6.0)
PL-75	2	1/6	9 15/16 (252)	8 1/2 (216)	7 3/8 (187)	5 3/16 (132)	4 5/8 (117)	18.5 (8.4)
PL-130/2"	2	2/5	10 3/4 (273)	8 1/2 (216)	8 1/4 (210)	5 3/16 (132)	5 1/8 (130)	22 (10)
PL-130/3"	3	2/5	10 3/4 (273)	8 1/2 (216)	8 1/4 (210)	6 (152)	5 1/8 (130)	27 (12.2)

Dimensions are approximate and subject to change. Contact factory for certified dimensions.



PERFORMANCE CHARACTERISTICS CURVES





TYPICAL SPECIFICATIONS

The contractor shall furnish and install inline pumps as illustrated on the plans and in accordance with the following specifications:

1. The pumps shall be of the horizontal, permanently lubricated type, specifically designed and guaranteed for quiet operation.
2. The pumps shall have a steel shaft supported by permanently lubricated, sealed precision ball bearings. The pumps are to be equipped with a water-tight seal to prevent leakage. Mechanical seal faces to be carbon on silicon carbide. The motor shall be non-overloading at any point on the pump performance curve.
3. The motor shall be of the drip-proof, sealed precision ball-bearing, quiet-operating construction. The permanent split-capacitor motor shall be equipped with thermal overload protection.
4. Pumps to be suitable for 225°F (107°C) operating temperature at 150 psig (10 bar) working pressure.

The pumps shall be ITT Bell & Gossett Model No. PL-_____ with a capacity of _____ GPM at _____ feet of head.

ITT Industries

Bell & Gossett

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