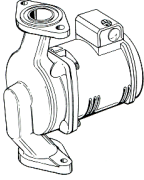


| | |
|--------------------|------------------------|
| JOB: | REPRESENTATIVE: |
| UNIT TAG: | ORDER NO.: |
| ENGINEER: | SUBMITTED BY: |
| CONTRACTOR: | APPROVED BY: |
| | DATE: |
| | DATE: |
| | DATE: |



SERIES PL™

Permanently Lubricated Iron & Lead-Free† Bronze Booster 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)

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

CONSTRUCTION MATERIALS

Booster Body: Cast Iron or Lead-Free† 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

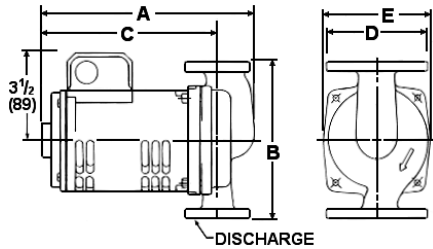
| CAST IRON | | | LEAD-FREE† BRONZE | | | STANDARD 60 CYCLE SINGLE PHASE MOTOR CHARACTERISTICS | | | | TAGGING INFORMATION |
|--------------|-------------|------|-------------------|-------------|------|--|---------|-----------|------|---------------------|
| MODEL NUMBER | PART NUMBER | QTY. | MODEL NUMBER | PART NUMBER | QTY. | HP | VOLTAGE | F.L. AMPS | RPM | |
| PL-30 | 1BL012 | | PL-30B | 1BL013LF | | 1/12 | 115 | 1.4 | 2650 | |
| PL-30 | 1BL014 | | PL-30B | 1BL015LF | | 1/12 | 230 | 0.8 | 2650 | |
| PL-36 | 1BL001 | | PL-36B | 1BL003LF | | 1/6 | 115 | 2.1 | 3300 | |
| PL-36 | 1BL006 | | PL-36B | 1BL008LF | | 1/6 | 230 | 1.1 | 3300 | |
| PL-36 | 1BL116 | | PL-36B | 1BL118LF | | 1/6 | 277 | 1 | 3300 | |
| PL-45 | 1BL002 | | PL-45B | 1BL004LF | | 1/6 | 115 | 2.1 | 3300 | |
| PL-45 | 1BL007 | | PL-45B | 1BL009LF | | 1/6 | 230 | 1.1 | 3300 | |
| PL-45 | 1BL121 | | PL-45B | 1BL122LF | | 1/6 | 277 | 1 | 3300 | |
| PL-50 | 1BL016 | | PL-50B | 1BL017LF | | 1/6 | 115 | 1.8 | 3300 | |
| PL-50 | 1BL018 | | PL-50B | 1BL019LF | | 1/6 | 230 | 1.0 | 3300 | |
| PL-50 | 1BL123 | | PL-50B | 1BL124LF | | 1/6 | 277 | 1.0 | 3300 | |
| PL-55 | 1BL032 | | PL-55B | 1BL068LF | | 2/5 | 115 | 4.7 | 3250 | |
| PL-55 | 1BL033 | | PL-55B | 1BL069LF | | 2/5 | 230 | 2.4 | 3250 | |
| PL-55 | 1BL115 | | PL-55B | 1BL119LF | | 2/5 | 277 | 1.9 | 3250 | |
| PL-75 | 1BL034 | | PL-75B | 1BL035LF | | 1/6 | 115 | 2.1 | 3400 | |
| PL-75 | 1BL036 | | PL-75B | 1BL037LF | | 1/6 | 230 | 1.1 | 3400 | |
| PL-75 | 1BL125 | | PL-75B | 1BL126LF | | 1/6 | 277 | 1 | 3400 | |
| PL-130/2" | 1BL063 | | PL-130B/2" | 1BL065LF | | 2/5 | 115 | 4.8 | 3200 | |
| PL-130/2" | 1BL064 | | PL-130B/2" | 1BL066LF | | 2/5 | 230 | 2.4 | 3200 | |
| PL-130/2" | 1BL127 | | PL-130B/2" | 1BL128LF | | 2/5 | 277 | 1.9 | 3200 | |
| PL-130/3" | 1BL070 | | PL-130B/3" | 1BL072LF | | 2/5 | 115 | 4.8 | 3200 | |
| PL-130/3" | 1BL071 | | PL-130B/3" | 1BL073LF | | 2/5 | 230 | 2.4 | 3200 | |
| PL-130/3" | 1BL130 | | PL-130B/3" | 1BL131LF | | 2/5 | 277 | 1.9 | 3200 | |

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

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.

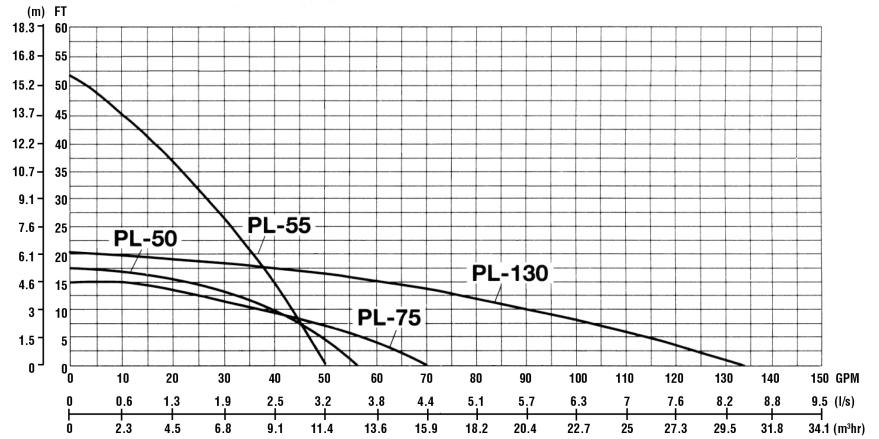
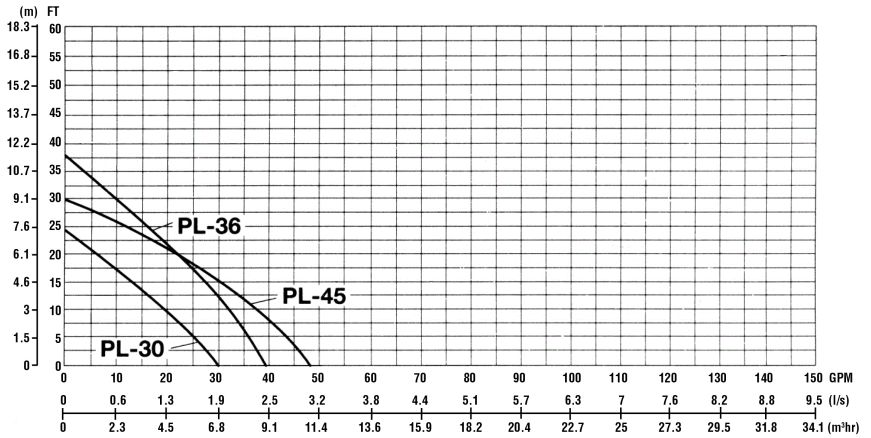


TYPICAL SPECIFICATIONS

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 Bell & Gossett, A Xylem brand. Model No. PL-_____ with a capacity of _____ GPM at _____ feet of head.

PERFORMANCE CHARACTERISTICS CURVES



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 Fax: (847)965-8379
 www.bellgossett.com



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