

SERIES 4030 | END SUCTION BASE MOUNTED | 50-150A (3×2×6) | SUBMITTAL

File No: 40.52IEC
Date: APRIL 26, 2016
Supersedes: NEW
Date: NEW

Job: _____ Representative: _____
 _____ Order no.: _____ Date: _____
 Engineer: _____ Submitted by: _____ Date: _____
 Contractor: _____ Approved by: _____ Date: _____

PUMP DESIGN DATA

No. of pumps: _____ Tag: _____
 Capacity: _____ m³/h (USgpm) Head: _____ m(ft)
 Liquid: _____ Viscosity: _____
 Temperature: _____ °C (°F) Specific gravity: _____
 Suction: 75 mm (3") Flanged
 Discharge: 50 mm (2") Flanged

MATERIALS OF CONSTRUCTION

| ANSI FLANGE RATING | PN 16 | PN 25 |
|---------------------|-----------------------------|------------------------------|
| Construction | <input type="checkbox"/> BF | <input type="checkbox"/> DBF |
| Casing | Cast iron | Ductile iron |

- Impeller:** Bronze
- Gasket:** Confined non-asbestos fiber
- Bearing frame:** Cast iron
- Anti-friction bearings:** Permanently lubricated
- Shaft:** Carbon steel
- Shaft sleeve:** Stainless steel
- Coupler:** Woods sure flex or equal
- Coupler guard:** Steel OSHA
- Baseplate:** Fabricated steel

MECHANICAL SEAL DATA

- Seal type:** 2A **Stationary seat:** Silicone carbide
- Secondary seal:** EPDM **Rotating hardware:** Stainless steel
- Spring:** Stainless steel

MOTOR DESIGN DATA

kW: _____ RPM: _____
 Frame size: _____ Enclosure: _____
 Volts: _____ Hertz: 50 Hz Phase: 3
 Efficiency: IE1 IE2 IE3

MAXIMUM PUMP OPERATING CONDITIONS

- PN 16**
 12 bars at 65°C (175 psig at 150°F)
 10 bars at 121°C (140 psig at 250°F)
- PN 25**
 20 bars at 65°C (300 psig at 150°F)
 17 bars at 121°C (250 psig at 250°F)
- Tolerance of ±3 mm (±0.125") should be used
- For exact installation, data please write factory for certified dimensions
- Pump equipped with casing drain plug and ¼" NPT suction and discharge gauge ports.
- See performance curves on page 3

OPTIONAL EQUIPMENT

| FLUID TYPE | ALL GLYCOLS > 30% WT CONC | | ALL OTHER NON-POTABLE FLUIDS | | POTABLE (DRINKING) WATER | |
|-----------------------|---------------------------|-------------------|------------------------------|------------------------|--------------------------|-------------------|
| | up to 93°C (200°F) | over 93°C (200°F) | up to 93°C (200°F) | over 93°C (200°F) | up to 93°C (200°F) | over 93°C (200°F) |
| Rotating face | Silicone carbide | | Resin bonded carbon | Antimony loaded carbon | Resin bonded carbon | |
| Seat elastomer | EPDM (L-cup) | EPDM (O-ring) | EPDM (L-cup) | EPDM (O-ring) | EPDM (L-cup) | EPDM (O-ring) |
| Material code | SCsc L EPSS 2A | SCsc O EPSS 2A | C-SC L EPSS 2A | ACsc O EPSS 2A | C-SC L EPSS 2A | C-SC O EPSS 2A |

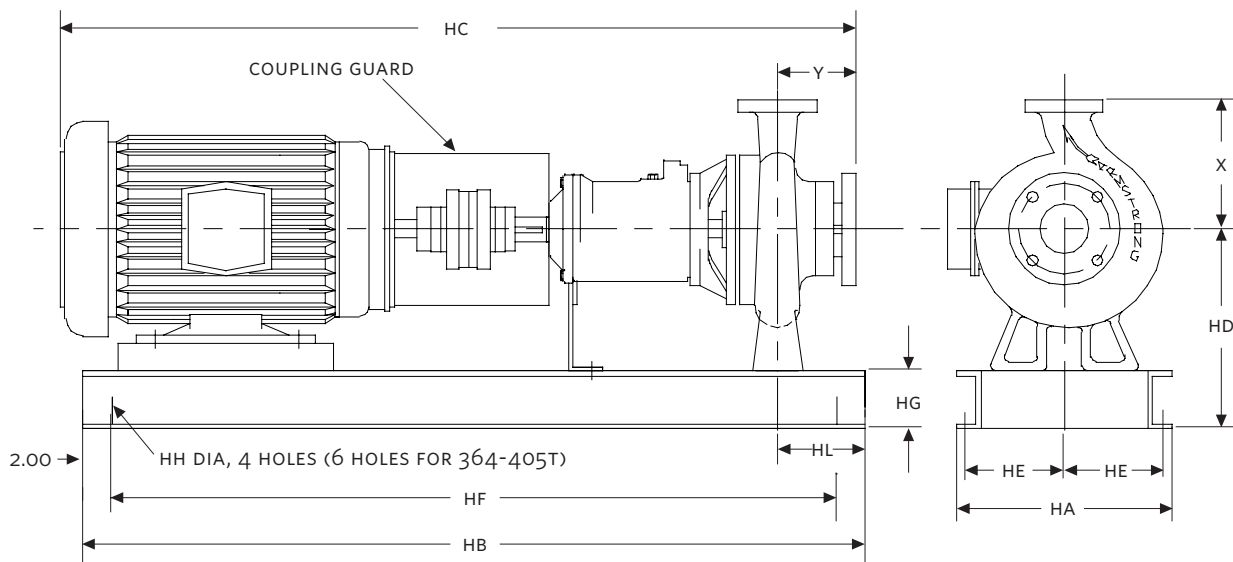
| MOTOR | MOTOR kW @ RPM | | FULL LOAD CURRENT (A) | STARTING CURRENT (A) | | DIMENSIONS mm(INCHES) | | | | | | | | WEIGHT* kg (lbs) |
|-------|----------------|------|-----------------------|----------------------|----------------------|-----------------------|-------------|-------------|------------|------------|-------------|-----------|------------|---------------------|
| | TEFC | | | STAR DELTA (SD) | DIRECT ON LINE (DOL) | HA | HB | HC | HD | HE | HF | HG | HL | |
| FRAME | 3000 | 1500 | 380-415V | | | | | | | | | | | |
| 80 | — | 0.55 | 1.3 | — | 5.5 | 356 (14.00) | 762 (30.00) | 689 (27.11) | 235 (9.25) | 162 (6.38) | 660 (26.00) | 76 (3.00) | 114 (4.50) | 51.78 (114) |
| 80 | — | 0.75 | 1.68 | — | 7.4 | 356 (14.00) | 762 (30.00) | 689 (27.11) | 235 (9.25) | 162 (6.38) | 660 (26.00) | 76 (3.00) | 114 (4.50) | 54.78 (121) |
| 90S | 1.5 | — | 3.28 | — | 19.7 | 356 (14.00) | 762 (30.00) | 650 (25.58) | 235 (9.25) | 162 (6.38) | 660 (26.00) | 76 (3.00) | 114 (4.50) | 58.78 (130) |
| 90L | 2.2 | — | 4.75 | — | 29.9 | 356 (14.00) | 762 (30.00) | 697 (27.43) | 235 (9.25) | 162 (6.38) | 660 (26.00) | 76 (3.00) | 114 (4.50) | 62.28 (137) |
| 100L | 3 | — | 6.1 | — | 47.8 | 356 (14.00) | 838 (33.00) | 738 (29.07) | 235 (9.25) | 162 (6.38) | 737 (29.00) | 76 (3.00) | 114 (4.50) | 69.78 (154) |
| 112M | 4 | — | 8.0 | 22.4 | 62.4 | 356 (14.00) | 838 (33.00) | 782 (30.80) | 235 (9.25) | 162 (6.38) | 737 (29.00) | 76 (3.00) | 114 (4.50) | 79.28 (175) |
| 132S | 5.5 | — | 10.8 | 25.9 | 88.6 | 356 (14.00) | 838 (33.00) | 855 (33.67) | 235 (9.25) | 162 (6.38) | 737 (29.00) | 76 (3.00) | 114 (4.50) | 101.28 (223) |

*Assembly weight combines pump and motor.

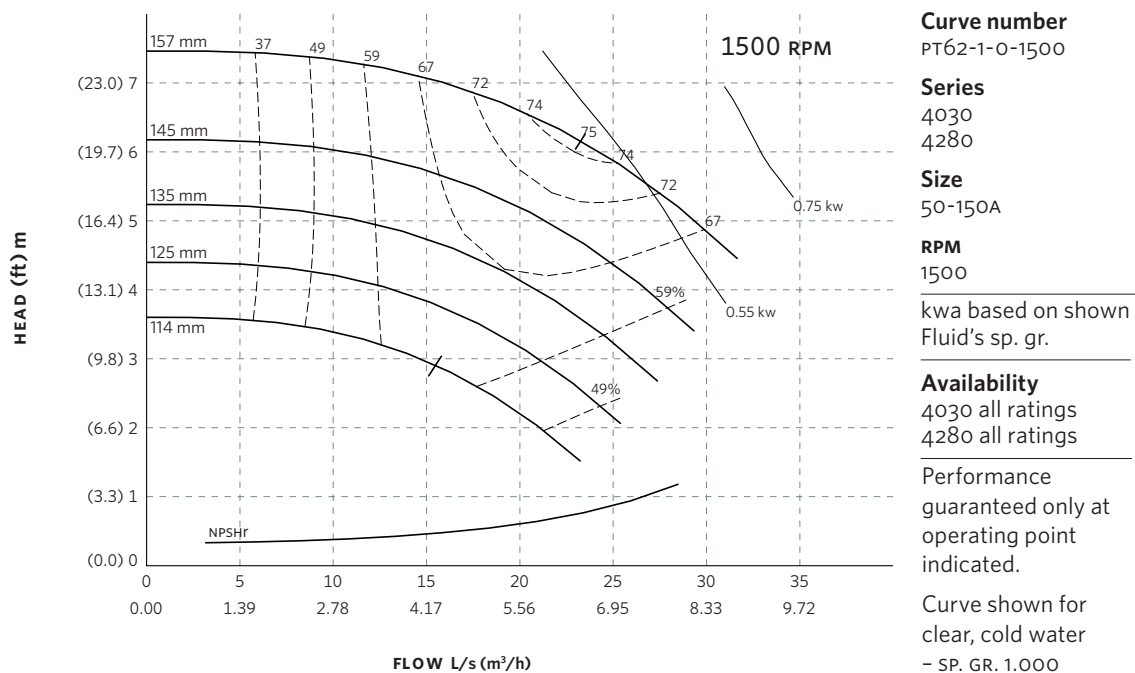
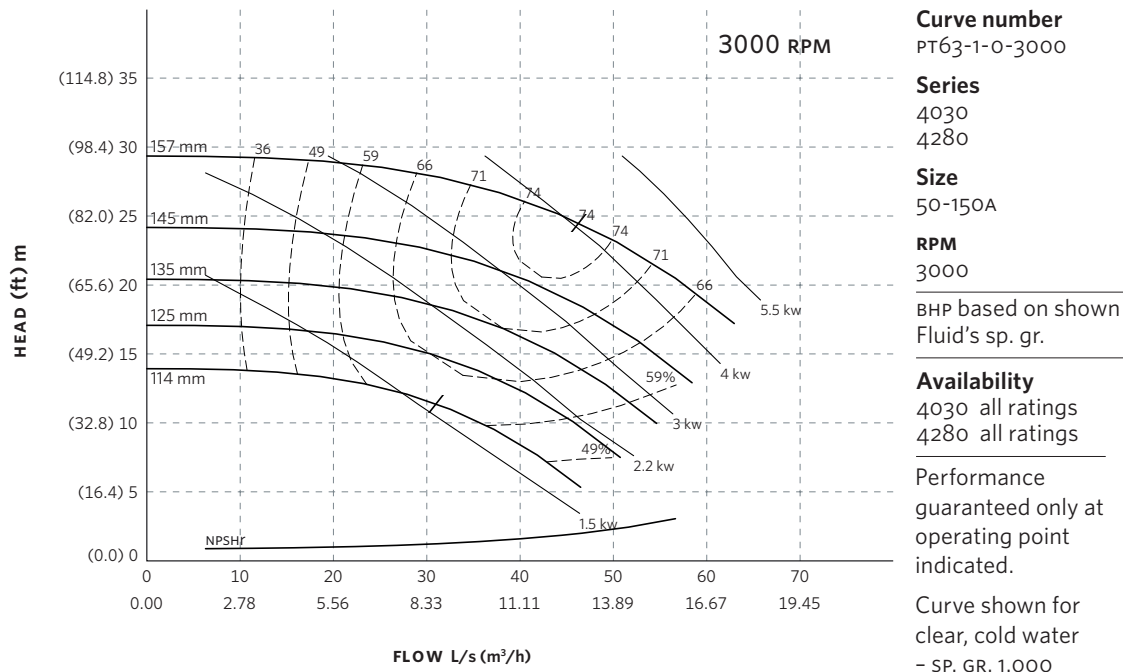
PUMP DIMENSIONS

mm (inches)

| X | Y |
|------------|------------|
| 210 (8.25) | 102 (4.00) |



SERIES 4030 PERFORMANCE CURVES



Performance curves are for reference only.
Confirm current performance data with Armstrong ACE Online selection software.

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