

SERIES 4030 | END SUCTION BASE MOUNTED SPLIT COUPLED | 3 × 1.5 × 6 | SUBMITTAL

File No: 40.51
Date: NOV. 26, 2014
Supersedes: 40.51
Date: OCT. 15, 2013

Job: _____ Representative: _____

Order no.: _____ Date: _____

Engineer: _____ Submitted by: _____ Date: _____

Contractor: _____ Approved by: _____ Date: _____

PUMP DESIGN DATA

No. of pumps: _____ Tag: _____
Capacity: _____ USgpm (L/s) Head: _____ ft (m)
Liquid: _____ Viscosity: _____
Temperature: _____ °F (°C) Specific gravity: _____
Suction: 3" (75mm) Flanged
Discharge: 1.5" (38mm) Flanged

MATERIALS OF CONSTRUCTION

| ANSI FLANGE RATING | ANSI 125 | ANSI 250 |
|--------------------|-----------------------------|------------------------------|
| 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: Constant speed: Woods sure-flex or equal
Variable speed: Woods dura-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

HP: _____ RPM: _____ Frame size: _____ Enclosure: _____
Volts: _____ Hertz: 60 Hz Phase: 3
Efficiency*: NEMA premium 12.12 Other _____ %

* Fractional power and frame 56 motors are supplied with the standard efficiency of the manufacturer.

MAXIMUM PUMP OPERATING CONDITIONS

ANSI 125

175 psig at 150°F (12 bars at 65°C)
140 psig at 250°F (10 bars at 121°C)

ANSI 250

300 psig at 150°F (20 bars at 65°C)
250 psig at 250°F (17 bars at 121°C)

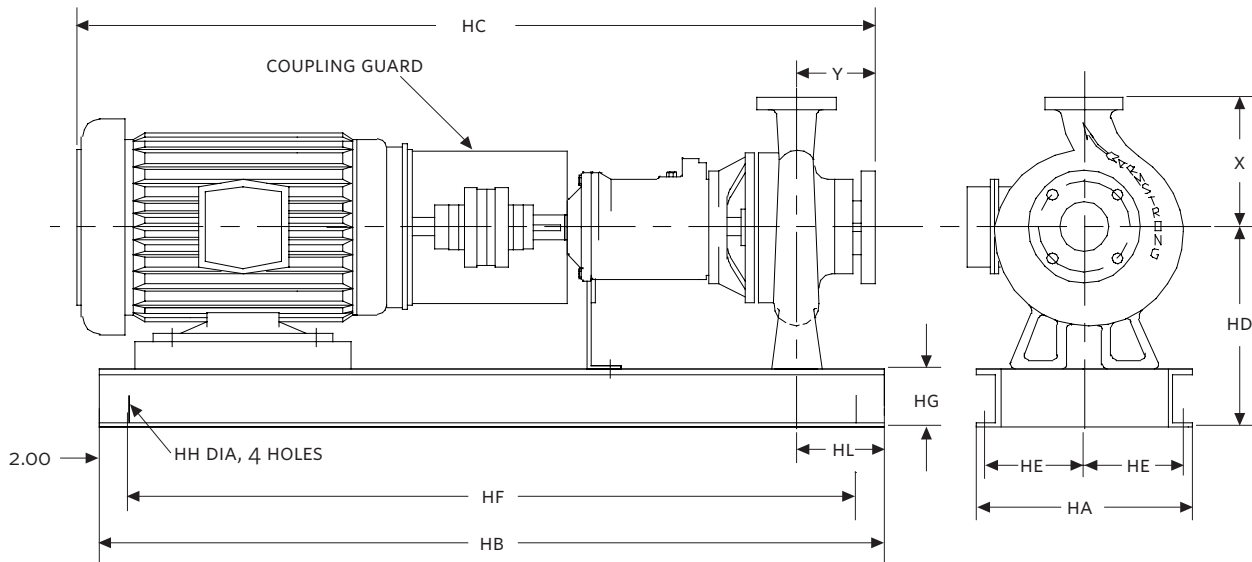
- Tolerance of ±0.125" (±3 mm) should be used
- See performance curves on page 3
- For exact installation, data please write factory for certified dimensions
- Pump equipped with casing drain plug and ¼" NPT suction and discharge gauge ports

OPTIONAL EQUIPMENT

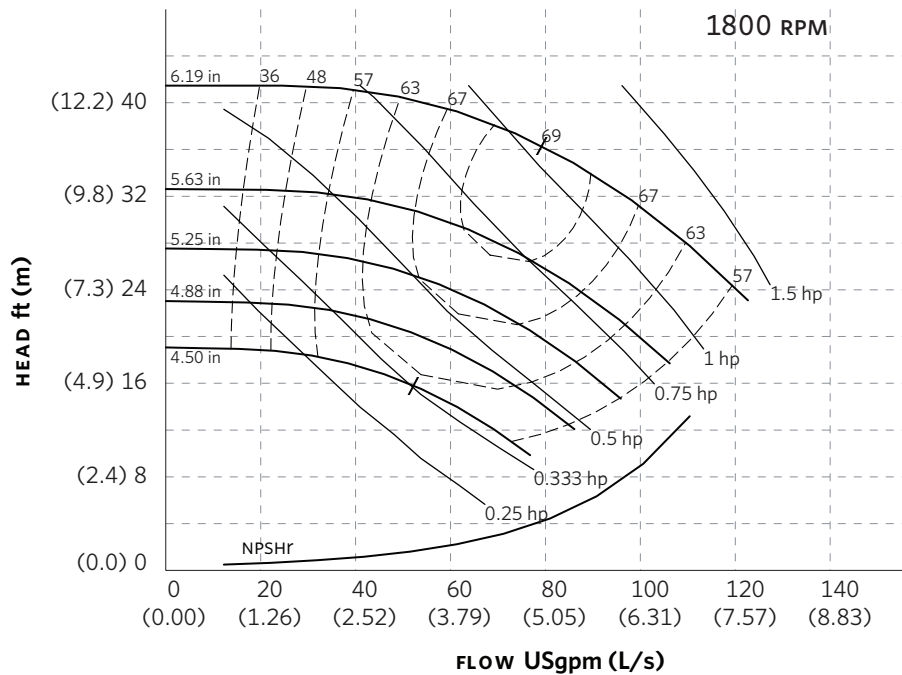
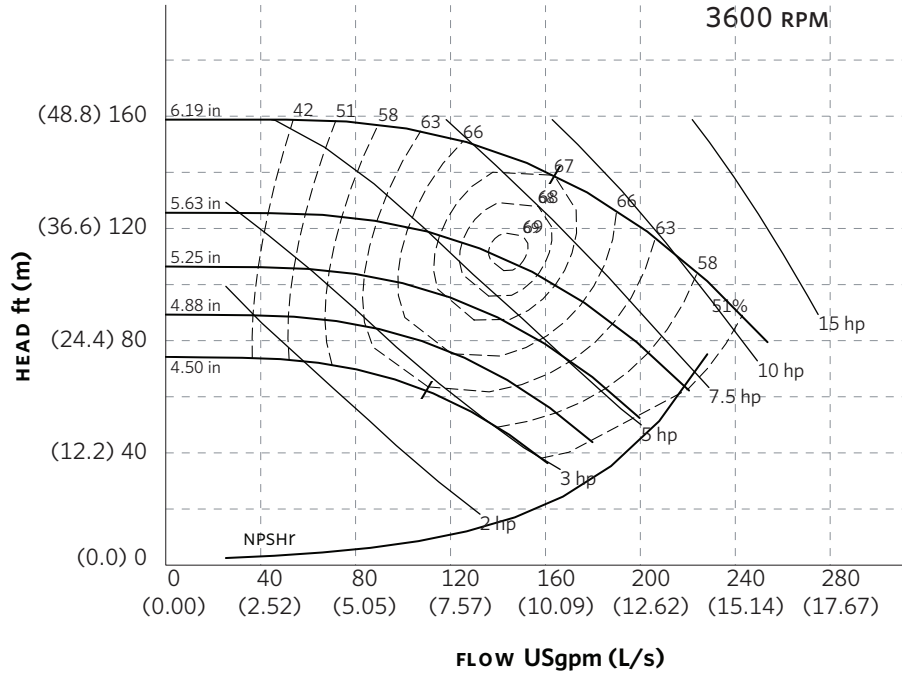
| FLUID TYPE | ALL GLYCOLS > 30% WT CONC | | ALL OTHER NON-POTABLE FLUIDS | | POTABLE (DRINKING) WATER | |
|----------------|---------------------------|-------------------|------------------------------|------------------------|--------------------------|-------------------|
| | up to 200°F (93°C) | over 200°F (93°C) | up to 200°F (93°C) | over 200°F (93°C) | up to 200°F (93°C) | over 200°F (93°C) |
| 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 | HORSEPOWER @ RPM | | | MAX. DIMENSIONS INCHES (mm) | | | | | | | | | | | MAX. ASSEMBLY WEIGHT* | | |
|-------|------------------|------|-----------|-----------------------------|----------------|----------------|----------------|---------------|---------------|----------------|--------------|--------------|---------------|---------------|-----------------------|---------------|----------------|
| | 3600 | | 1800 | 1200 | HA | HB | HC | HD | HE | HF | HG | HH | HL | X | Y | lbs (kgs) | |
| FRAME | ODP | TEFC | | | | | | | | | | | | | | ODP | TEFC |
| 56C | — | — | 0.33-0.75 | 0.33 | 14.00 (356) | 30.00 (762) | 26.38 (670) | 8.25 (210) | 6.38 (162) | 26.00 (660) | 3.00 (76) | 0.75 (19) | 4.50 (114) | 6.50 (165) | 4.00 (102) | 109 (49.5) | 117 (53.1) |
| 143TC | — | — | 1 | 1 | 14.00 (356) | 30.00 (762) | 28.03 (712) | 8.25 (210) | 6.38 (162) | 26.00 (660) | 3.00 (76) | 0.75 (19) | 4.50 (114) | 6.50 (165) | 4.00 (102) | 129 (58.5) | 136 (61.7) |
| 145TC | 3 | — | 1.5 | — | 14.00 (356) | 30.00 (762) | 28.03 (712) | 8.25 (210) | 6.38 (162) | 26.00 (660) | 3.00 (76) | 0.75 (19) | 4.50 (114) | 6.50 (165) | 4.00 (102) | 141 (64.0) | 138 (62.6) |
| 182TC | 5 | 3 | — | — | 14.00 (356) | 30.00 (762) | 30.73 (781) | 8.25 (210) | 6.38 (162) | 26.00 (660) | 3.00 (76) | 0.75 (19) | 4.50 (114) | 6.50 (165) | 4.00 (102) | 139 (63.0) | 181 (82.1) |
| 184TC | 7.5 | 5 | — | — | 14.00 (356) | 30.00 (762) | 30.73 (781) | 8.25 (210) | 6.38 (162) | 26.00 (660) | 3.00 (76) | 0.75 (19) | 4.50 (114) | 6.50 (165) | 4.00 (102) | 151 (68.5) | 196 (88.9) |
| 213TC | 10 | 7.5 | — | — | 14.00 (356) | 33.00 (838) | 34.40 (874) | 8.25 (210) | 6.38 (162) | 29.00 (737) | 3.00 (76) | 0.75 (19) | 4.50 (114) | 6.50 (165) | 4.00 (102) | 217 (98.4) | 216 (98.0) |
| 215TC | — | 10 | — | — | 14.00 (356) | 33.00 (838) | 34.40 (874) | 8.25 (210) | 6.38 (162) | 29.00 (737) | 3.00 (76) | 0.75 (19) | 4.50 (114) | 6.50 (165) | 4.00 (102) | — | 255 (115.7) |

*Assembly weight combines pump and motor.



SERIES 4030 PERFORMANCE CURVES



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

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