

SERIES 4030 | END SUCTION BASE MOUNTED | 125-250A (6×5×10) | SUBMITTAL

File No: 40.66IEC
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: 150 mm (6") Flanged
 Discharge: 125 mm (5") 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 |

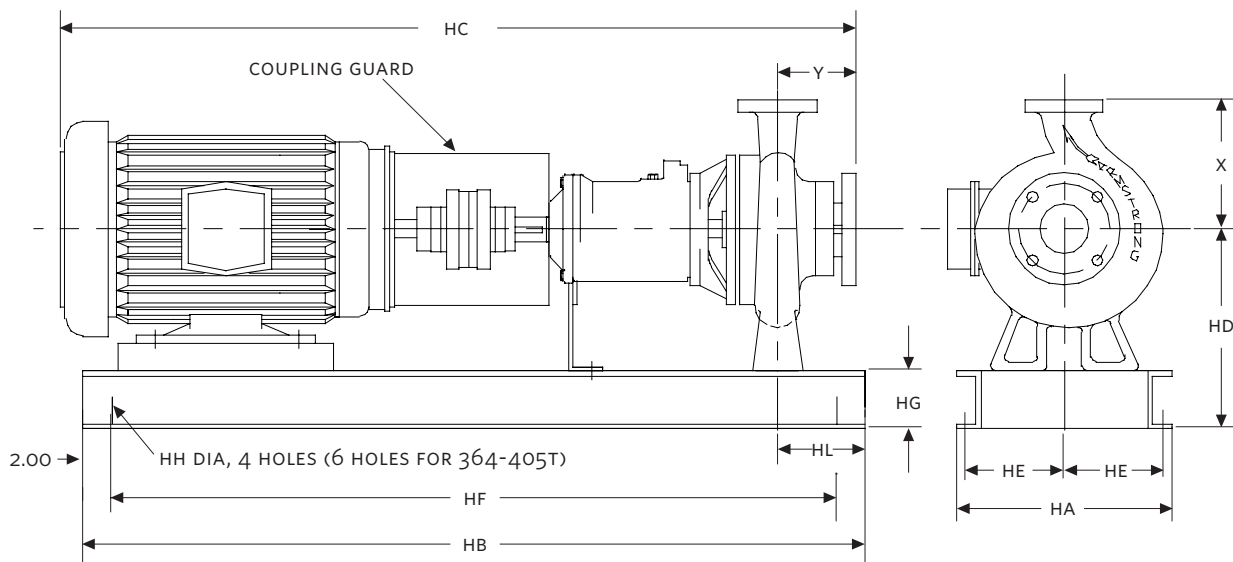
| MOTOR | MOTOR kW @ RPM | | FULL LOAD CURRENT (A) | STARTING CURRENT (A) | | DIMENSIONS mm(INCHES) | | | | | | | | WEIGHT* kg (lbs) |
|-------|----------------|------|-----------------------|----------------------|----------------------|-----------------------|--------------|--------------|-------------|------------|--------------|-----------|------------|---------------------|
| | 3000 | 1500 | | STAR DELTA (SD) | DIRECT ON LINE (DOL) | HA | HB | HC | HD | HE | HF | HG | HL | |
| FRAME | TEFC | | 380-415V | | | | | | | | | | | TEFC |
| | | | | | | | | | | | | | | |
| 132S | — | 5.5 | 10.9 | 24.0 | 81.8 | 356 (14.00) | 838 (33.00) | 862 (33.92) | 330 (13.00) | 162 (6.38) | 737 (29.00) | 76 (3.00) | 114 (4.50) | 200 (440) |
| 132M | — | 7.5 | 14.90 | 32.8 | 111.8 | 356 (14.00) | 838 (33.00) | 885 (34.83) | 330 (13.00) | 162 (6.38) | 737 (29.00) | 76 (3.00) | 114 (4.50) | 209 (460) |
| 160M | — | 11 | 21.90 | 50.4 | 168.6 | 406 (16.00) | 1143 (45.00) | 1087 (42.80) | 330 (13.00) | 187 (7.38) | 1041 (41.00) | 76 (3.00) | 114 (4.50) | 242 (532) |
| 160L | — | 15 | 29.6 | 68.08 | 227.92 | 406 (16.00) | 1143 (45.00) | 1102 (43.40) | 330 (13.00) | 187 (7.38) | 1041 (41.00) | 76 (3.00) | 114 (4.50) | 262 (577) |

*Assembly weight combines pump and motor.

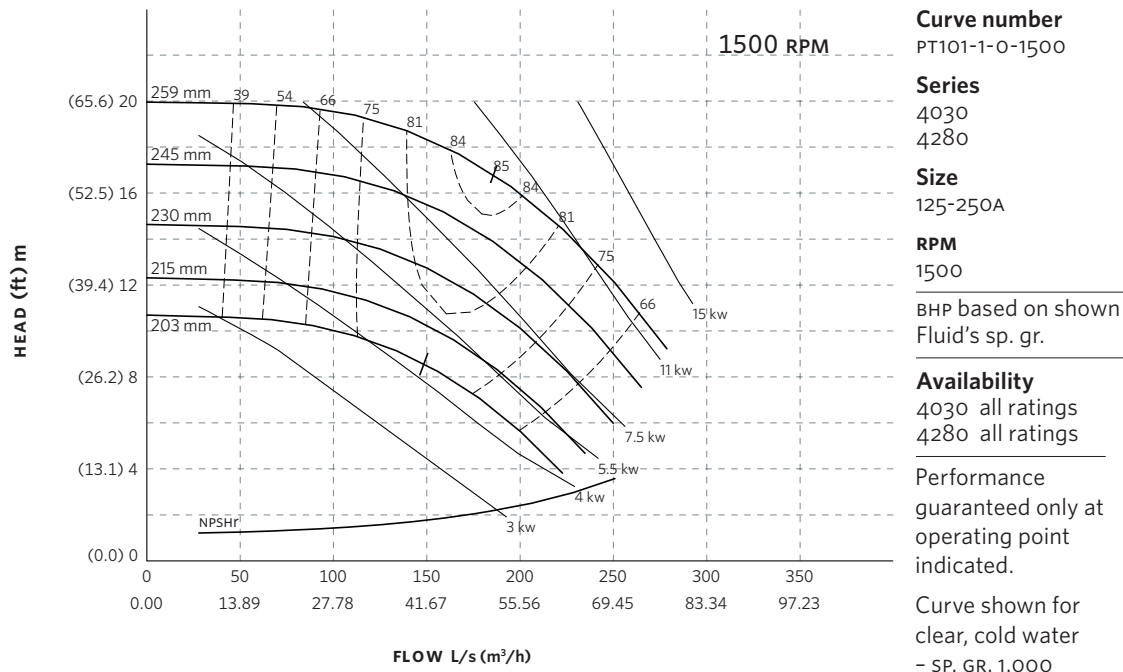
PUMP DIMENSIONS

mm (inches)

| X | Y |
|-------------|------------|
| 318 (12.50) | 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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