

## SERIES 4030 | END SUCTION BASE MOUNTED | 80-290A (4x3x11.5) | SUBMITTAL

**File No:** 40.68IEC  
**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: \_\_\_\_\_ m<sup>3</sup>/h (USgpm) Head: \_\_\_\_\_ m(ft)  
 Liquid: \_\_\_\_\_ Viscosity: \_\_\_\_\_  
 Temperature: \_\_\_\_\_ °C (°F) Specific gravity: \_\_\_\_\_  
 Suction: 100 mm (4") Flanged  
 Discharge: 80 mm (3") Flanged

### MATERIALS OF CONSTRUCTION

ANSI FLANGE RATING	PN 16	PN 25
<b>Construction</b>	<input type="checkbox"/> BF	<input type="checkbox"/> DBF
<b>Casing</b>	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)
<b>Rotating face</b>	Silicone carbide		Resin bonded carbon	Antimony loaded carbon	Resin bonded carbon	
<b>Seat elastomer</b>	EPDM (L-cup)	EPDM (O-ring)	EPDM (L-cup)	EPDM (O-ring)	EPDM (L-cup)	EPDM (O-ring)
<b>Material code</b>	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

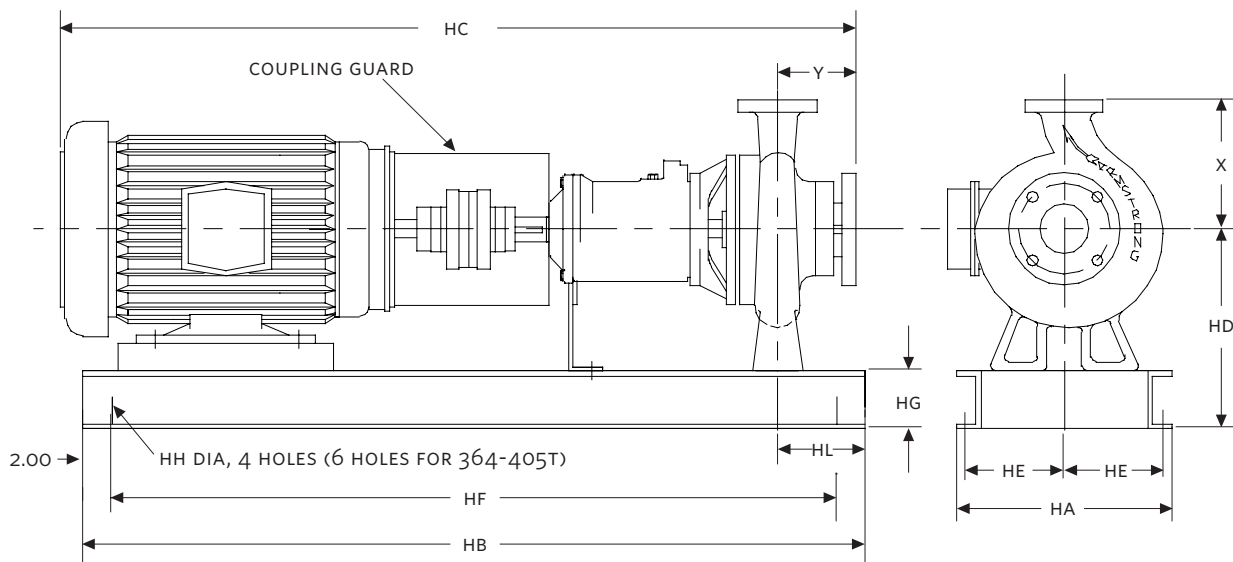
MOTOR	MOTOR kW @ RPM		FULL LOAD CURRENT (A)	STARTING CURRENT (A)		DIMENSIONS mm(INCHES)								WEIGHT*
	3000	1500		STAR DELTA (SD)	DIRECT ON LINE (DOL)	HA	HB	HC	HD	HE	HF	HG	HL	TEFC
FRAME	TEFC		380-415V											kg (lbs)
112M	—	4	8.4	18.5	58.9	406 (16.00)	1016 (40.00)	832 (32.74)	286 (11.25)	187 (7.38)	914 (36.00)	76 (3.00)	165 (6.50)	155.4 (343)
132S	—	5.5	10.90	24.0	81.8	406 (16.00)	1016 (40.00)	905 (35.62)	286 (11.25)	187 (7.38)	914 (36.00)	76 (3.00)	165 (6.50)	176.4 (389)
132M	—	7.5	14.90	32.8	111.8	406 (16.00)	1016 (40.00)	928 (36.52)	286 (11.25)	187 (7.38)	914 (36.00)	76 (3.00)	165 (6.50)	185.4 (409)
160M	—	11	21.90	50.4	168.6	406 (16.00)	1016 (40.00)	1051 (41.38)	286 (11.25)	187 (7.38)	914 (36.00)	76 (3.00)	165 (6.50)	218.4 (481)

\*Assembly weight combines pump and motor.

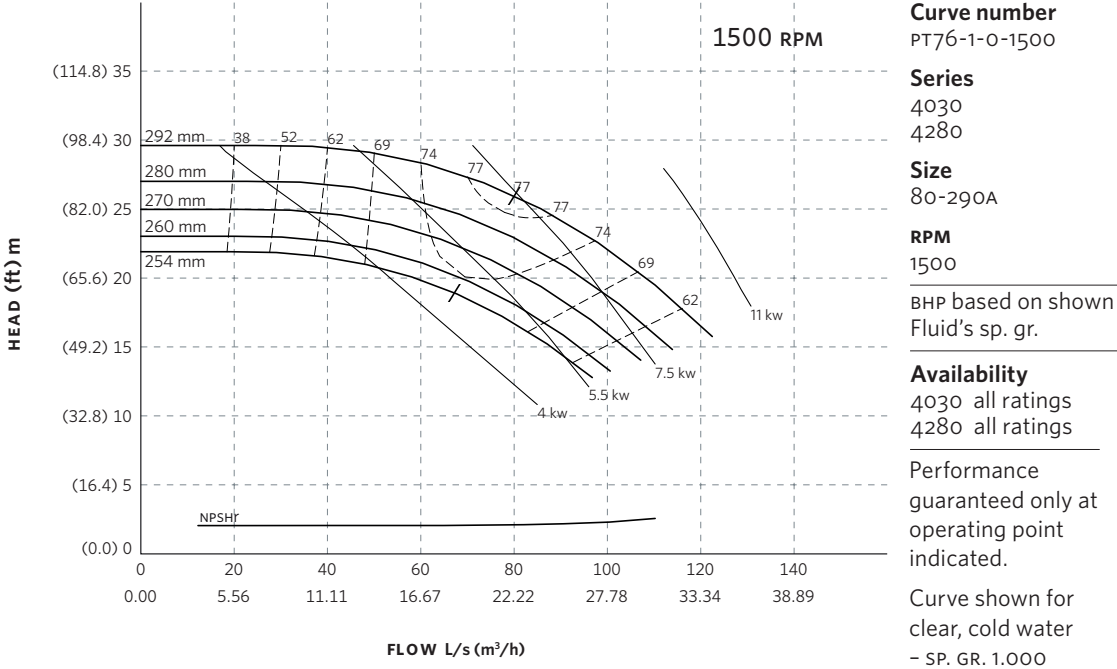
**PUMP DIMENSIONS**

mm (inches)

X	Y
279 (11.00)	152 (6.00)



**SERIES 4030 PERFORMANCE CURVES**



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

**TORONTO**

23 BERTRAND AVENUE  
TORONTO, ONTARIO  
CANADA  
M1L 2P3  
+1 416 755 2291

**BUFFALO**

93 EAST AVENUE  
NORTH TONAWANDA, NEW YORK  
U.S.A.  
14120-6594  
+1 716 693 8813

**BIRMINGHAM**

HEYWOOD WHARF, MUCKLOW HILL  
HALESOWEN, WEST MIDLANDS  
UNITED KINGDOM  
B62 8DJ  
+44 (0) 8444 145 145

**MANCHESTER**

WOLVERTON STREET  
MANCHESTER  
UNITED KINGDOM  
M11 2ET  
+44 (0) 8444 145 145

**BANGALORE**

#59, FIRST FLOOR, 3RD MAIN  
MARGOSA ROAD, MALLESWARAM  
BANGALORE, INDIA  
560 003  
+91 (0) 80 4906 3555

**SHANGHAI**

NO. 1619 HU HANG ROAD, XI DU TOWNSHIP  
FENG XIAN DISTRICT, SHANGHAI  
P.R.C.  
201401  
+86 21 3756 6696