

## SERIES 4030 | END SUCTION BASE MOUNTED | 40-150A (2x1.5x6) | SUBMITTAL

**File No:** 40.511EC  
**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: 50 mm (2") Flanged  
 Discharge: 40 mm (1.5") 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

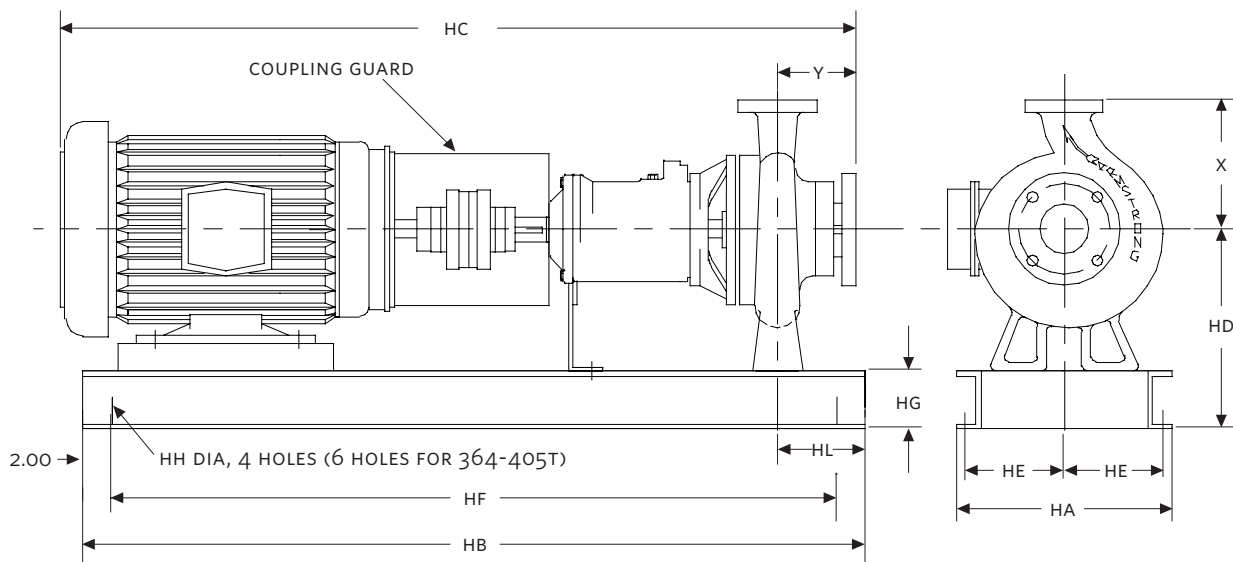
MOTOR FRAME	MOTOR kW @ RPM		FULL LOAD CURRENT (A) 380-415V	STARTING CURRENT (A)		DIMENSIONS mm(INCHES)								WEIGHT*
	TEFC			STAR DELTA (SD)	DIRECT ON LINE (DOL)	HA	HB	HC	HD	HE	HF	HG	HL	TEFC
	3000	1500												
80	—	0.55	1.3	—	5.5	356 (14.00)	762 (30.00)	689 (27.11)	210 (8.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	48.5 (107)
80	—	0.75	1.68	—	7.4	356 (14.00)	762 (30.00)	689 (27.11)	210 (8.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	51.5 (114)
80	1.1	—	2.41	—	16.1	356 (14.00)	762 (30.00)	689 (27.11)	210 (8.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	52.0 (115)
90S	1.5	—	3.28	—	19.7	356 (14.00)	762 (30.00)	650 (25.58)	210 (8.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	55.5 (122)
90L	2.2	—	4.8	—	29.9	356 (14.00)	762 (30.00)	697 (27.43)	210 (8.25)	162 (6.38)	660 (26.00)	76 (3.00)	114 (4.50)	59.0 (130)
100L	3	—	6.1	—	47.8	356 (14.00)	838 (33.00)	738 (29.07)	210 (8.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	66.5 (147)
112M	4	—	8.0	22.4	62.4	356 (14.00)	838 (33.00)	782 (30.80)	210 (8.25)	162 (6.38)	737 (29.00)	76 (3.00)	114 (4.50)	76.0 (168)
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)	98.0 (216)

\*Assembly weight combines pump and motor.

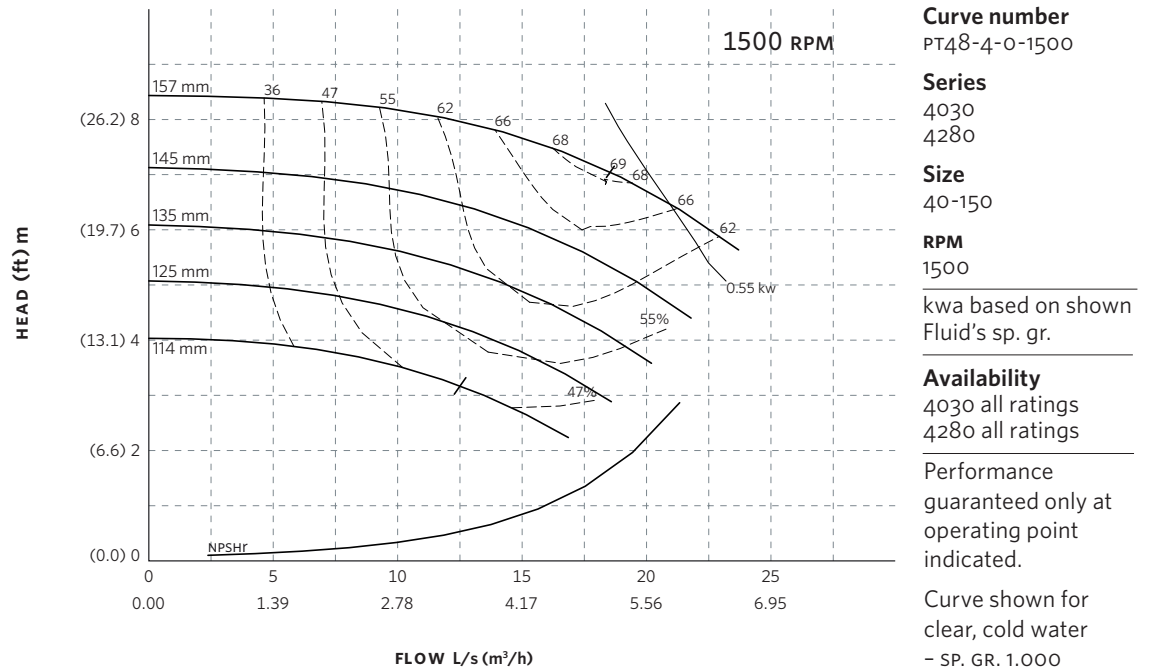
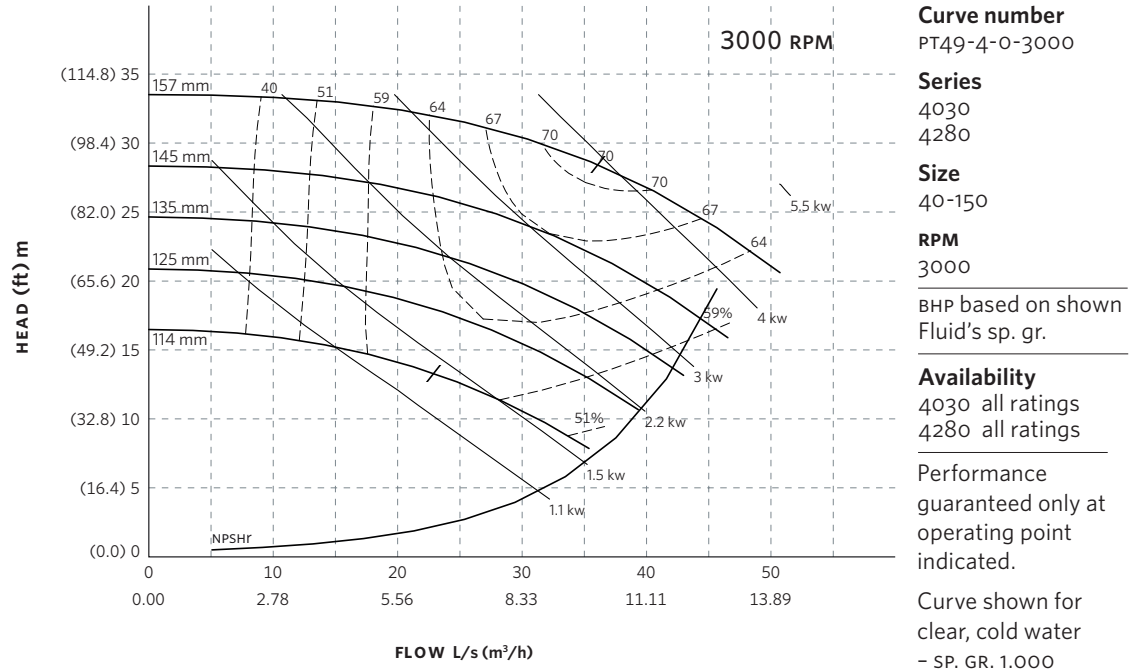
**PUMP DIMENSIONS**

mm (inches)

X	Y
165 (6.50)	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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