

4030 END SUCTION BASE MOUNTED | 150-290A (8×6×11.5) | SUBMITTAL

File No: 40.711EC
Date: AUGUST 10, 2020
Supersedes: 40.711EC
Date: APRIL 26, 2016

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: 200 mm (8") Flanged
 Discharge: 150 mm (6") Flanged

MATERIALS OF CONSTRUCTION

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
 16 bars at 49°C (232 psig at 120°F)
 7 bars at 150°C (100 psig at 300°F)

PN 25
 25 bars at 65°C (362 psig at 149°F)
 21 bars at 150°C (304 psig at 300°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

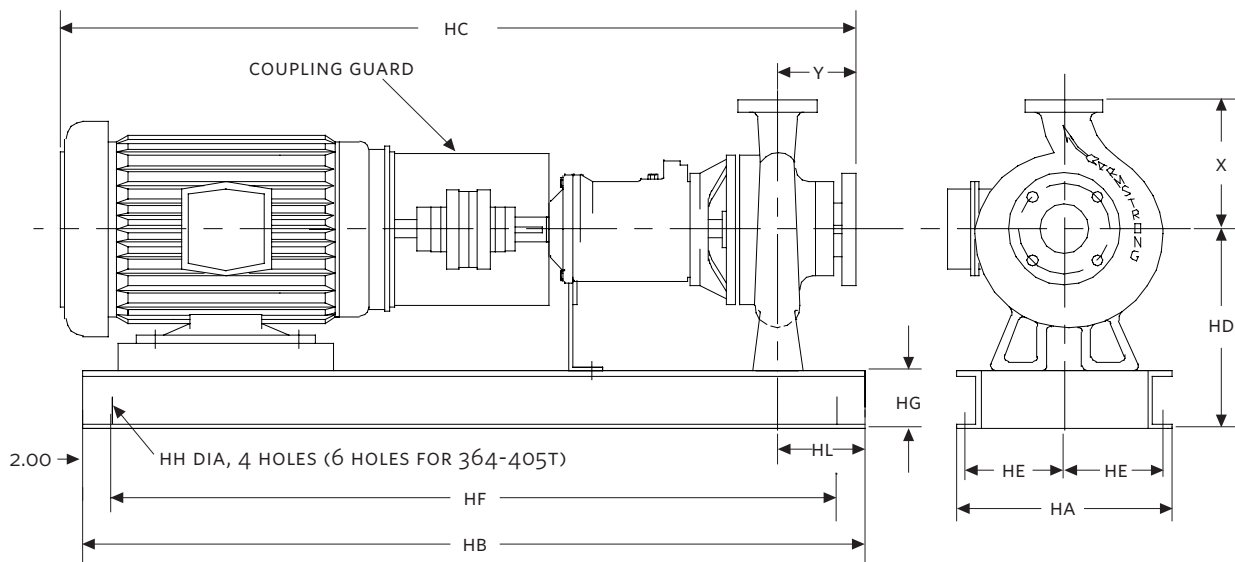
MOTOR	MOTOR kW @ RPM		FULL LOAD CURRENT (A)	STARTING CURRENT (A)		DIMENSIONS mm(INCHES)								WEIGHT*
	3000	1500		STAR DELTA (SD)	DIRECT ON LINE (DOL)	HA	HB	HC	HD	HE	HF	HG	HL	TEFC
FRAME	TEFC		380-415V											kg (lbs)
160M	-	11	21.9	50.4	168.6	483 (19.00)	1219 (48.00)	1133 (44.59)	406 (16.00)	225 (8.88)	1118 (44.00)	102 (4.00)	165 (6.50)	296 (651)
160L	-	15	29.6	68.1	227.9	483 (19.00)	1219 (48.00)	1148 (45.19)	406 (16.00)	225 (8.88)	1118 (44.00)	102 (4.00)	165 (6.50)	316 (696)
180M	-	18.5	36.3	94.4	304.9	483 (19.00)	1219 (48.00)	1133 (44.59)	406 (16.00)	225 (8.88)	1118 (44.00)	102 (4.00)	165 (6.50)	355 (782)
180L	-	22	41.8	92.0	313.5	483 (19.00)	1219 (48.00)	1231 (48.45)	406 (16.00)	225 (8.88)	1118 (44.00)	102 (4.00)	165 (6.50)	377 (830)

*Assembly weight combines pump and motor.

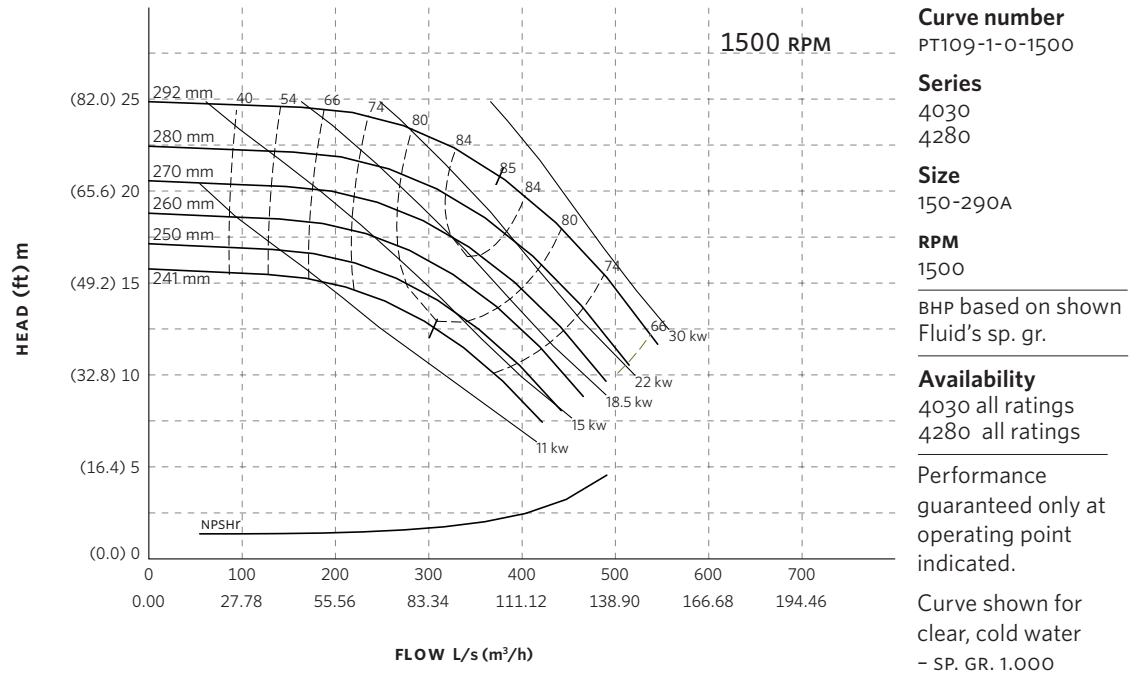
PUMP DIMENSIONS

mm (inches)

X	Y
406 (16.00)	152 (6.00)



4030 PERFORMANCE CURVES



Performance curves are for reference only.
Confirm current performance data with Armstrong ADEPT Quote or ADEPT Select selection software.

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