

SERIES 4030 | END SUCTION BASE MOUNTED | 100-330A (5×4×13) | SUBMITTAL

File No: 40.75IEC
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: 125 mm (5") Flanged
Discharge: 100 mm (4") 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

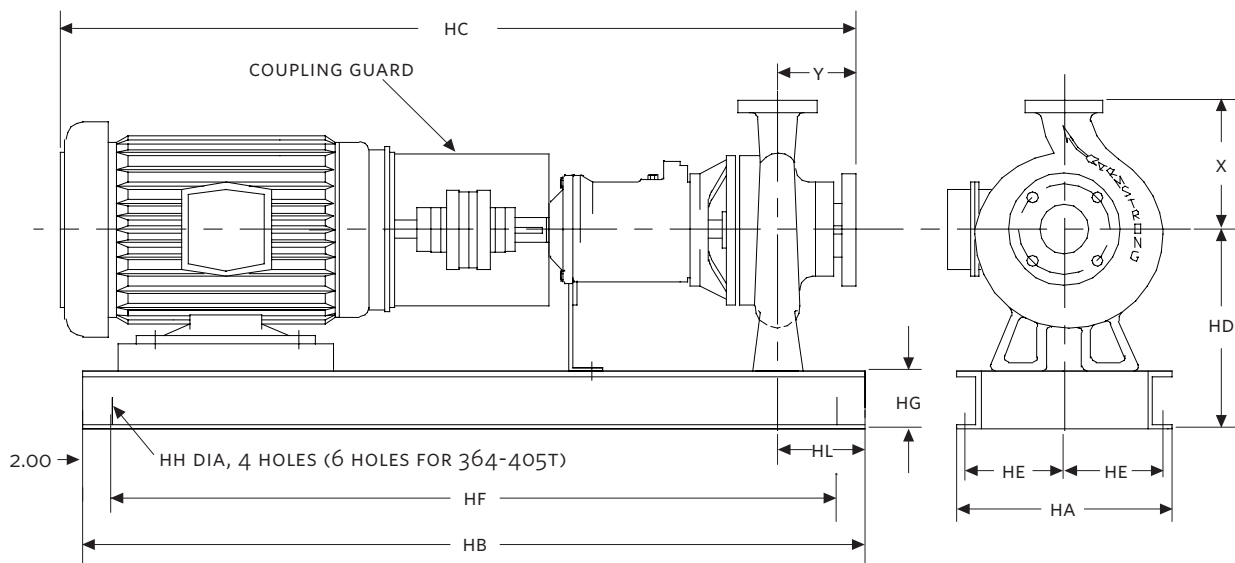
MOTOR	MOTOR kW @ RPM		FULL LOAD CURRENT (A)	STARTING CURRENT (A)		DIMENSIONS mm(INCHES)								WEIGHT*
	TEFC			STAR DELTA (SD)	DIRECT ON LINE (DOL)	HA	HB	HC	HD	HE	HF	HG	HL	kg (lbs)
	3000	1500												TEFC
			380-415V											
160M	—	11	21.9	50.4	168.6	406 (16.00)	1143 (45.00)	1082 (42.58)	330 (13.00)	187 (7.38)	1041 (41.00)	76 (3.00)	114 (4.50)	310.0 (683)
160L	—	15	29.60	68.1	227.9	483 (19.00)	1219 (48.00)	1097 (43.17)	356 (14.00)	225 (8.88)	1118 (44.00)	102 (4.00)	114 (4.50)	330.0 (728)
180M	—	18.5	36.30	94.4	304.9	483 (19.00)	1219 (48.00)	1082 (42.58)	356 (14.00)	225 (8.88)	1118 (44.00)	102 (4.00)	114 (4.50)	369.0 (813)
180L	—	22	41.8	91.96	313.5	483 (19.00)	1219 (48.00)	1180 (46.44)	356 (14.00)	225 (8.88)	1118 (44.00)	102 (4.00)	114 (4.50)	391.0 (862)
200L	—	30	58	139.2	435	483 (19.00)	1219 (48.00)	1259 (49.56)	356 (14.00)	225 (8.88)	1118 (44.00)	102 (4.00)	114 (4.50)	427.0 (941)

*Assembly weight combines pump and motor.

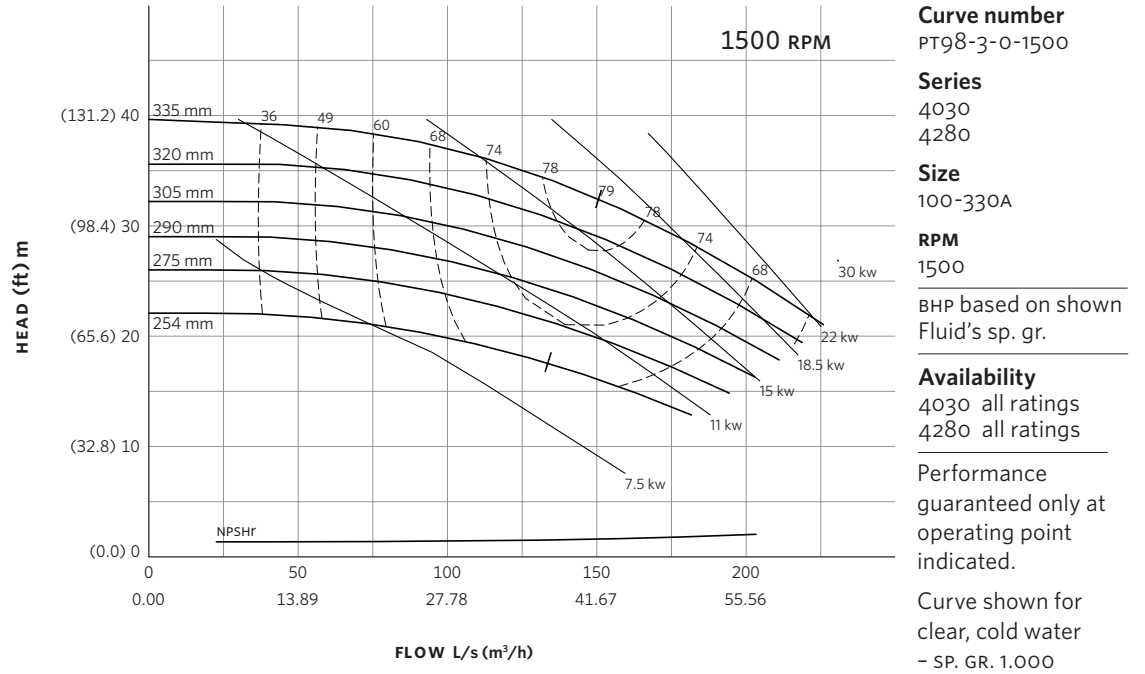
PUMP DIMENSIONS

mm (inches)

X	Y
343 (13.50)	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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