

JOB: 103 Church Street - Nanuet - BUY

REPRESENTATIVE: Wallace Eannace Associates, Inc

UNIT TAG: P-HS-3-4

ENGINEER: Sage Engineering

CONTRACTOR:
ORDER NO.
SUBMITTED BY: Alex Curran

APPROVED BY:
DATE: 9/11/2023

DATE:
DATE:


Series e-80SC 4x4x11B Split-Coupled In-Line Centrifugal Pumps

P-HS-3-4
DESCRIPTION:

The Series e-80SC is a highly efficient, heavy duty, split coupled pump designed for vertical in-line mounting.

SPECIFICATIONS

FLOW	500	HEAD	85
HP	20	RPM	1800
VOLTS		200	
CYCLE	60	INPUT PHASE	3
ENCLOSURE	Baldor ODP NEMA Premium w/Shaft Grounding Rings Inverter Duty		
APPROX. WEIGHT		675	
SPECIALS			

MATERIALS OF CONSTRUCTION
☒ Stainless Steel Fitted

MAXIMUM WORKING PRESSURE
☒ 175 psi (12 bar) with 125# ANSI Flange

☐ 250 psi (17 bar) with 250# ANSI Flange drilling (requires e-80-S)

MOUNTING
☒ In-Line Piping ☐ Flange Supports

PUMP VARIABLE SPEED CONTROL
☐ Integrated Technologic® Sensorless Control (ITSC)

☐ Integrated Technologic® (IT)

☐ External input by others

☐ Pressure Sensor(s)

☐ Differential Pressure Sensor(s)

☐ Flow Sensor(s) ☐ By Others

PARALLEL PUMPING SYSTEM
☐ Sensorless Control (ITSC)

☐ Sensored Control (IT)

PARALLEL SENSORLESS CONTROLLER
☐ Pump Mounted

☐ Wall Mounted

☐ Pumps in Parallel

TYPE OF FLUSHED SEAL
☒ Standard Inside Unitized-175#

(EPR/Carbon-Ceramic)

-20° to 250°F (-29° to 121°C)

Max working pressure 175 psi (12 bar)

☐ Inside Unitized

(EPR/Carbon-Tungsten Carbide)-250#

-20° to 250°F (-29° to 121°C)

Max working pressure 250 psi (17 bar)

☐ Inside Unitized

(FKM/Carbon-Ceramic)

-10° to 225°F (-23° to 107°C)

Max working pressure 250 psi (17 bar)

☐ Outside

(EPR/Carbon-Ceramic)-250#

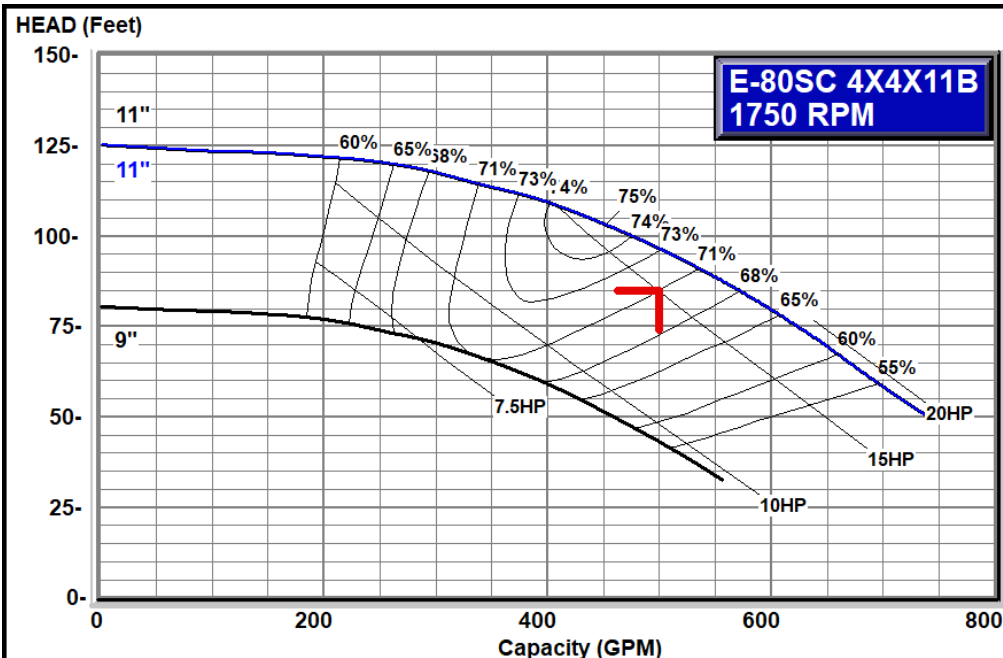
-20° to 250°F (-29° to 121°C)

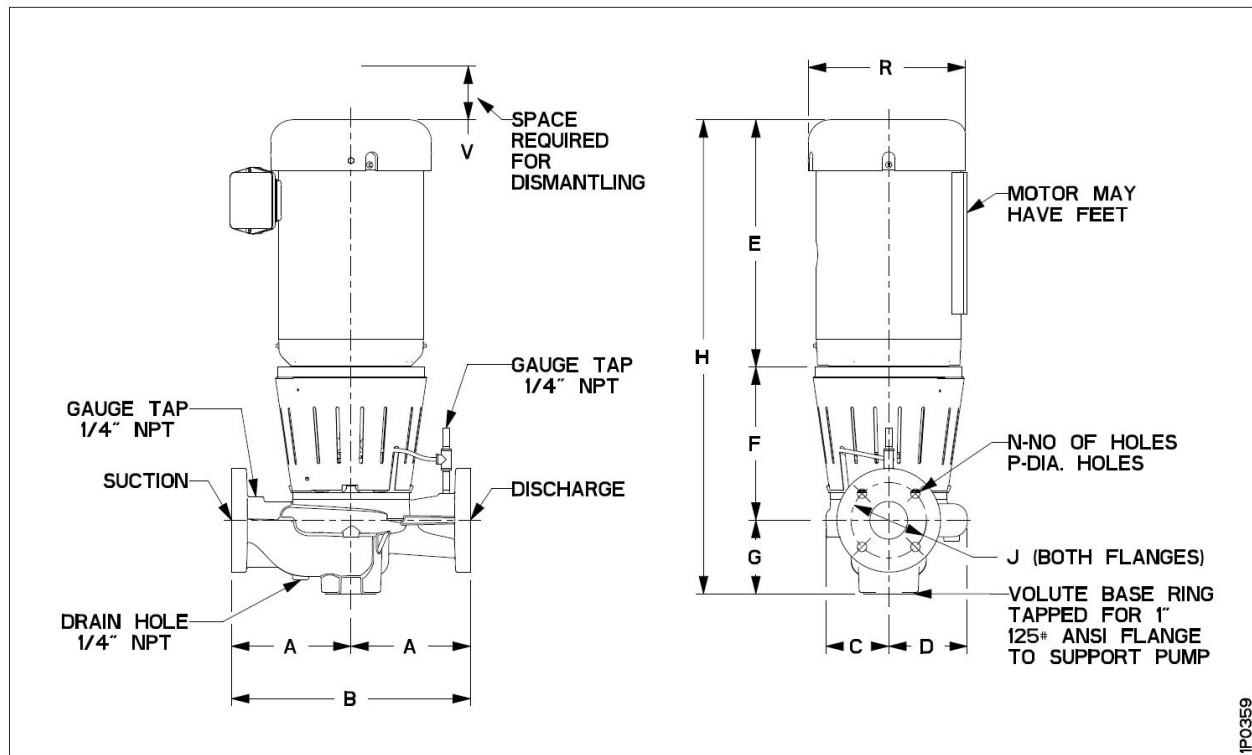
Max working pressure 250 psi (17 bar)

☐ Outside

(FKM/Carbon-Ceramic)-250#

-10° to 225°F (-23° to 107°C)


Design Capacity = 500.0 GPM
Design Head = 85.0 Feet
Suction Size = 4 "
Discharge Size = 4 "
Min. Imp. Dia. = 7.5 "
Max. Imp. Dia. = 11 "
Cut Dia. = 11 "
Motor Size = 20 HP



In-Line Piping

DIMENSIONS - Inches (mm)

TC SHAFT MOTORS

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			250# ANSI			R	V (min)	Suct/Disch Gauge Taps (NPT)	Drain Tap (NPT)
									J	N	P	J	N	P				
213TC	13.00 (330)	26.00 (660)	7.01 (178)	8.22 (209)	14.88 (378)	11.44 (291)	7.50 (191)	33.81 (859)	7.50 (191)	8 (19)	0.75 (19)	7.88 (200)	8 (22)	0.88 (22)	10.63 (270)	5.75 (146)	0.25	0.25
215TC	13.00 (330)	26.00 (660)	7.01 (178)	8.22 (209)	14.88 (378)	11.44 (291)	7.50 (191)	33.81 (859)	7.50 (191)	8 (19)	0.75 (19)	7.88 (200)	8 (22)	0.88 (22)	10.63 (270)	5.75 (146)	0.25	0.25
254TC	13.00 (330)	26.00 (660)	7.01 (178)	8.22 (209)	19.44 (494)	11.44 (291)	7.50 (191)	38.38 (975)	7.50 (191)	8 (19)	0.75 (19)	7.88 (200)	8 (22)	0.88 (22)	12.31 (313)	5.75 (146)	0.25	0.25
 256TC	13.00 (330)	26.00 (660)	7.01 (178)	8.22 (209)	21.19 (538)	11.44 (291)	7.50 (191)	40.13 (1019)	7.50 (191)	8 (19)	0.75 (19)	7.88 (200)	8 (22)	0.88 (22)	12.31 (313)	5.75 (146)	0.25	0.25
284TC	13.00 (330)	26.00 (660)	7.01 (178)	8.22 (209)	22.06 (560)	13.50 (343)	7.50 (191)	43.06 (1094)	7.50 (191)	8 (19)	0.75 (19)	7.88 (200)	8 (22)	0.88 (22)	14.13 (359)	5.75 (146)	0.25	0.25

Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For TEFC add 1-1/2" to dimensions E & H.