



# Series e-82

Twin Vertical In-Line Mounted Centrifugal  
Pump Performance Curves



# Service and support from the most trusted name in the industry – Bell & Gossett

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- Wastewater/Stormwater

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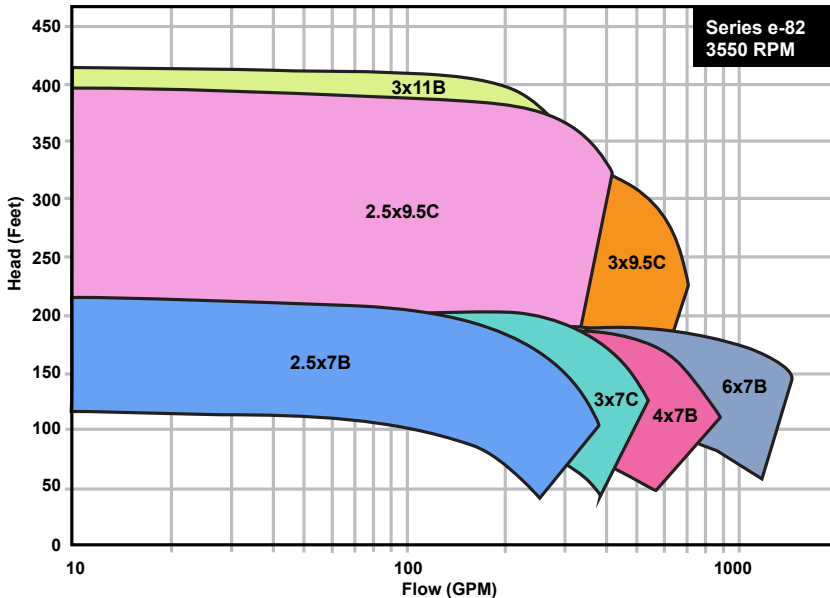
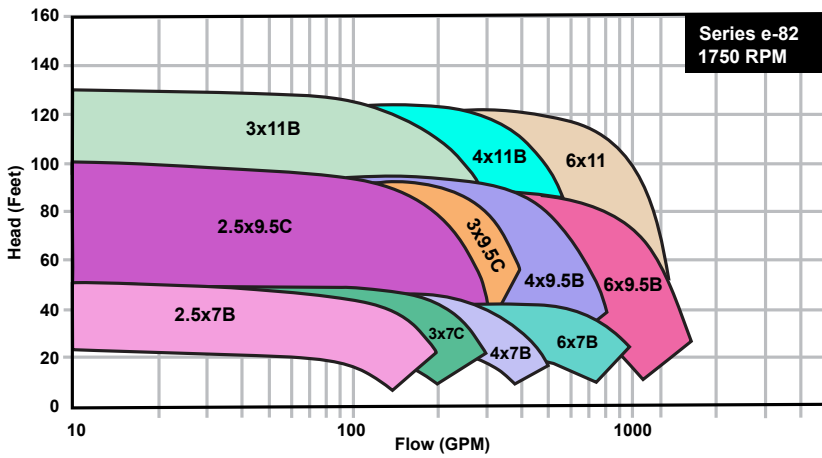
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e-82 4x4x9.5	39		
e-82 4x4x11	39		
e-82 6x6x7	40		

# MODEL LIST

No.	e-82 Model <sup>1</sup>	2-Pole	4-Pole	6-Pole
1	2.5x2.5x7	•	•	•
2	2.5x2.5x9.5	•	•	•
3	3x3x7	•	•	•
4	3x3x9.5	•	•	•
5	3x3x11	•	•	•
6	4x4x7	•	•	•
7	4x4x9.5		•	•
8	4x4x11		•	•
9	6x6x7	•	•	•
10	6x6x9.5		•	•
11	6x6x11		•	•

<sup>1</sup>Pump model nomenclature: (Discharge diameter) x (Suction diameter) x (Impeller diameter) in inches

## e-82 PUMP PERFORMANCE RANGE (STANDBY OPERATION)



# GENERAL INTRODUCTION

The e-82 and e-82SC twin vertical in-line centrifugal pumps are an ideal solution for parallel staging or back-up capacity. Our expanded line of energy efficient in-line pumps include 11 new close coupled and 11 new split coupled models. The pumps are stainless steel fitted, matching the hydraulics and the flange to flange dimensions of the current pumps, with double the power in a compact footprint. Parallel pumping provides redundant capacity and the capability to meet duty requirements with smaller horsepower motors and drives and improved pump efficiency at reduced flow. As system load is reduced, pumps can be de-staged to achieve higher motor and drives efficiencies.

## Applications

- Hydronic heating and cooling systems
- Light industrial process
- General service
- Pressure boosting
- OEM applications

## Hydraulic Specifications

- Maximum flow: **approx. 1,400 GPM standby and approx. 2,500 GPM parallel**
- Maximum head: **approx. 400 ft.**
- Hydraulic performance compliant with ANSI/HI 14.6 and ISO 9906:2012 (Grade 2B)

## Fluid Temperature Range

- Standard configuration: **-20 to 225°F**

## Maximum Operating Pressure

- Casing working pressure: **175 psi**

## Flange Drilling Specifications

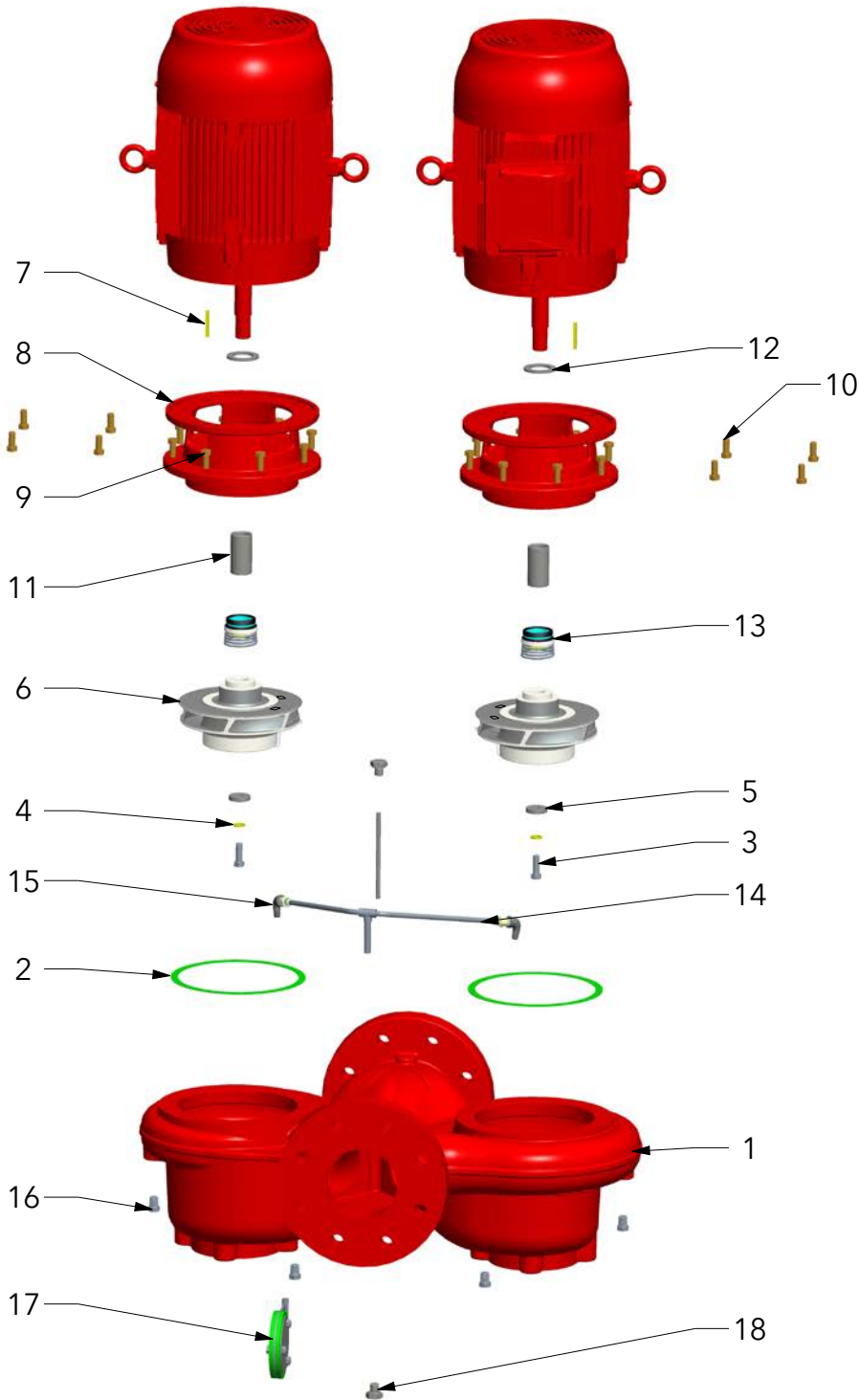
- ASME/ANSI B16.1, 125#

## Motor Specifications

- **NEMA Premium** efficiency per EISA 2010
- 2, 4, 6-pole ranges
- Maximum 3-phase ambient temperature: **104°F [40°C]**
- Inverter-Duty Ready
- Open Drip Proof (ODP) enclosure (standard)
- Performances according to **NEMA MG-1**
- **Class F** insulation
- Standard voltages: Three Phase, 208/230/460 Volt

# e-82 GENERAL EXPLODED VIEWS

## e-82-F (Standard) Configuration

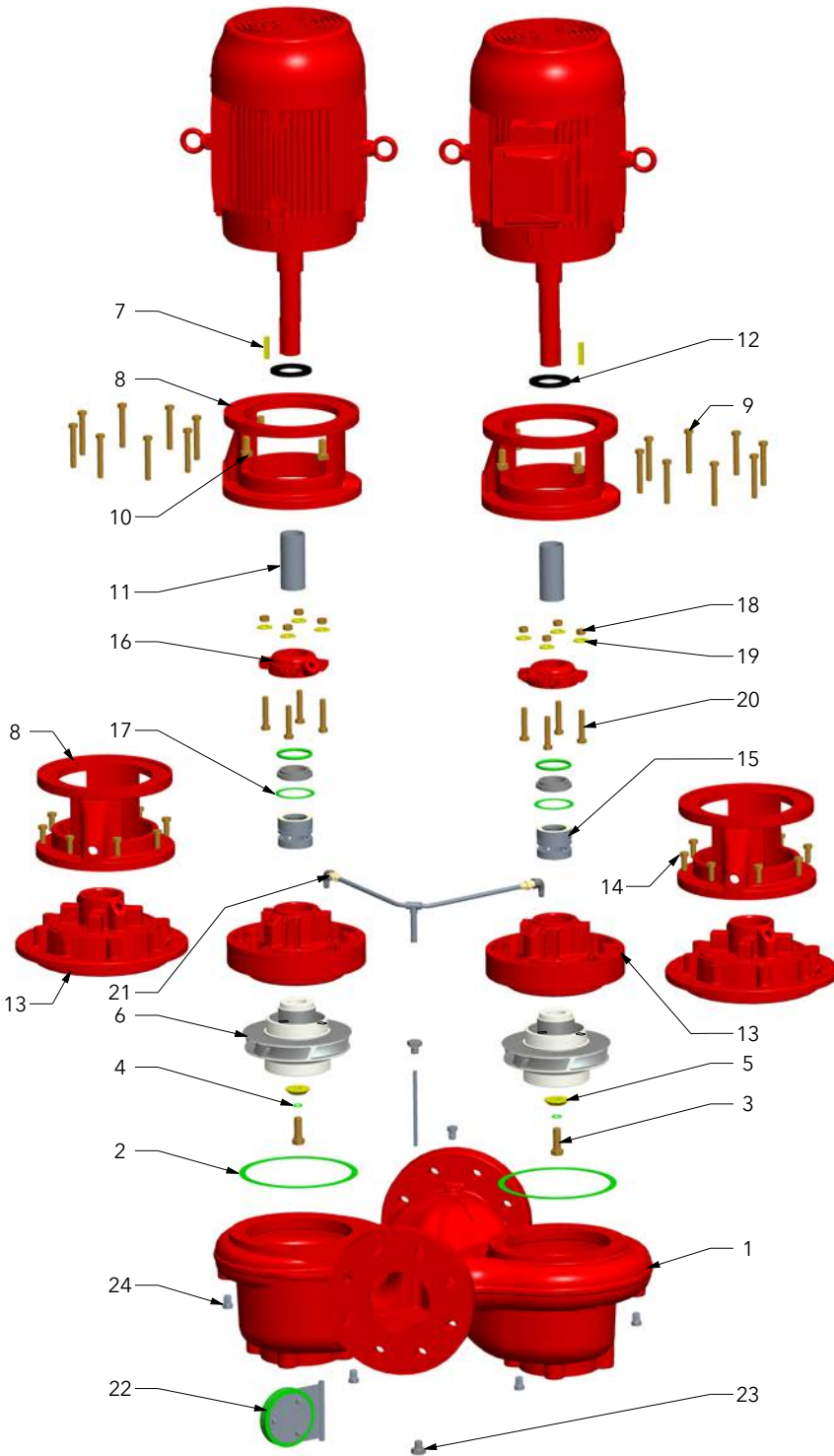


### e-82-F LEGEND

NO	Description	QTY
1	Volute	1
2	Volute Gasket	2
3	Impeller Capscrew	2
4	Impeller Lockwasher	2
5	Impeller Washer	2
6	Impeller	2
7	Impeller Key	2
8	Motor Bracket	2
9	Volute Capscrew	*
10	Motor Bracket Capscrew	8
11	Shaft Sleeve Kit	2
12	Water Slinger	2
13	Seal Kit	2
14	Hose, Braided	2
15	Elbow, Street	2
16	Volute Drains and Suction Gauge Plug	6
17	Flapper Assembly Kit	1
18	Self Sealing Screw	2

\*Quantity varies with pump size

## e-82-S (Optional) Configuration



### e-82-S LEGEND

NO	Description	QTY
1	Volute	1
2	Volute Gasket	2
3	Impeller Capscrew	2
4	Impeller Lockwasher	2
5	Impeller Washer	2
6	Impeller	2
7	Impeller Key	2
8	Motor Bracket	2
9	Volute Capscrew	*
10	Motor Bracket Capscrew	8
11	Shaft Sleeve Kit	2
12	Water Slinger	2
13	Volute Coverplate	2
14	Volute Coverplate Capscrew	*
15	Seal Assembly	2
16	Seal Cap	2
17	Seal Cap Gasket	2
18	Seal Cap Nut	8
19	Seal Cap Washer	8
20	Seal Cap Capscrew	8
21	Hose Braided	2
22	Flapper assembly Kit	1
23	Self sealing screw	2
24	Volute and Bracket Plugs	6

\*Quantity varies with pump size

# MECHANICAL SEALS

Material	e-82-F Standard Seal Configuration				e-82-S Optional Seal Configuration
	Standard, BUNA/Carbon/Ceramic	Optional, EPR/Carbon/Tungsten Carbide	Optional, FKM/Carbon/Ceramic	Optional, EPR/Silicon Carbide/Silicon Carbide	EPR/Carbon/Tungsten Carbide <sup>1</sup>
Operating temperature range	-20 to 225 °F	-20 to 250 °F	-10 to 225 °F	-20 to 250 °F	-20 to 250 °F
pH range limits	7.0 to 9.0	7.0 to 11.0	7.0 to 9.0	7.0 to 12.5	7.0 to 9.0
Resistance to dissolved solids	Low	Low-Medium	Low	Medium-High	Low-Medium
Maximum glycol/water concentration	50/50%	50/50%	50/50%	60/40%	50/50%

<sup>1</sup>Requires external flush

## MATERIAL CONFIGURATIONS

Component	Standard Option		Other Options
Casing	Cast Iron	Ductile Iron	–
Impeller	Stainless Steel		–
Wear Ring	–		Stainless Steel

<sup>1</sup>Available installed with flush line only

<sup>2</sup>Available installed with a sight flow indicator or as a standalone kit

<sup>3</sup>Available as kit only

Other Accessories
Sight Flow Indicator <sup>1</sup>
Cuno Filter <sup>2</sup>
Sediment Separator <sup>2</sup>
Heat Exchanger <sup>3</sup>
Flange Supports
Blind Flange

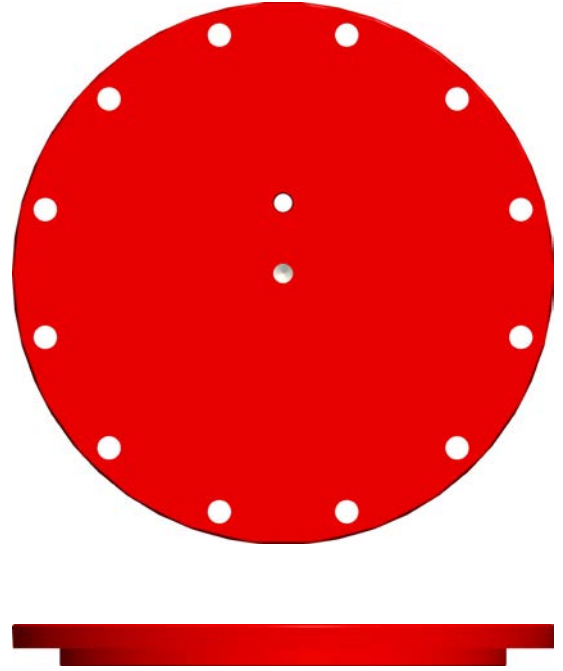


# e-82 PUMP ACCESSORIES

## Blind Flange

### Description

- When the blind flange is installed, one of the e-82 twin in-line pump rotating assemblies may be removed. This allows for the pump to operate in standby mode while maintenance can be performed on the non-operational motor or rotating assembly. Refer to the e-82 pump instruction manual for more information about the e-82 blind flange.



## Variable Frequency Drives (VFDs) Overview

### Description

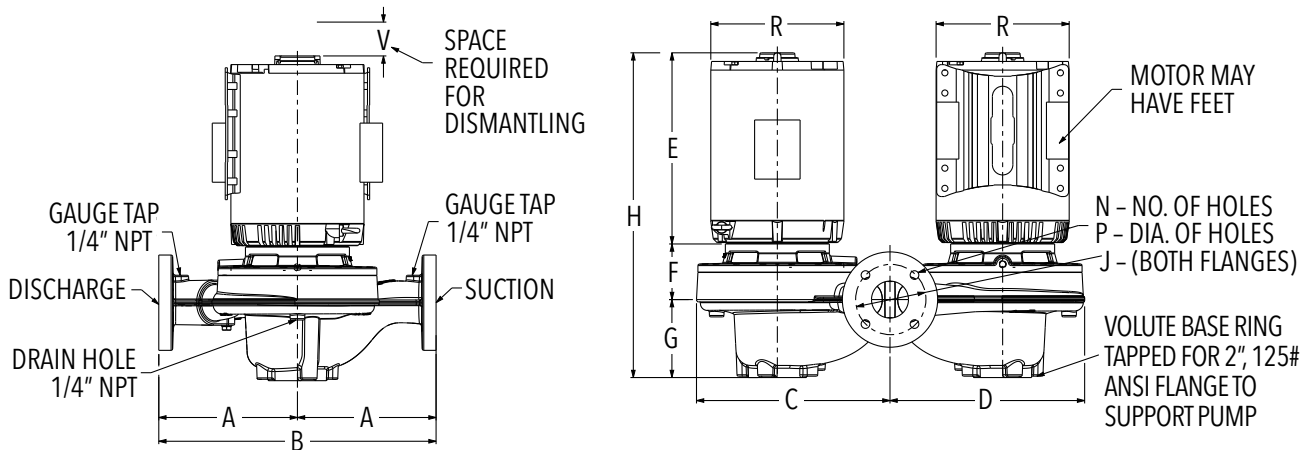
- Integrated Technologic® IPC Variable Speed Controller

### Attributes

- 230/460/575V
- 1.5 to 125 hp range options
- Temperature rating: 14°F to 113°F [-10°C to 45°C]
- Sensored or sensorless control
- Built-in BACnet, Modbus RTU, N2 Metasys, FLN
- 2 analog inputs, 1 analog output
- 4 digital inputs, 2 digital outputs
- Mains disconnect with optional fuses
- UL TYPE 12 & IP55 enclosure
- Certified by ETL
- Fan-cooled via temperature controller

# e-82 PUMP DIMENSIONAL DATA

## e-82 2.5x2.5x7 (143JM - 254JM)



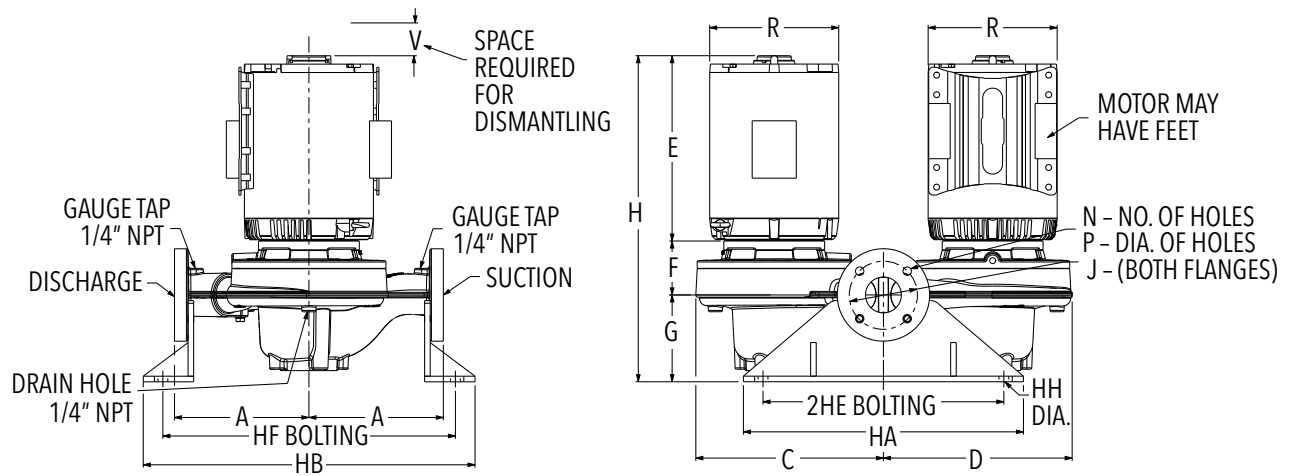
e-82-F (Standard Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
143JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	11.63 (295)	4.88 (124)	6.00 (152)	22.51 (572)	5.50 (140)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.50 (114)
145JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	12.63 (321)	4.88 (124)	6.00 (152)	23.51 (597)	5.50 (140)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.50 (114)
182JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	15.31 (389)	4.88 (124)	6.00 (152)	26.19 (665)	5.50 (140)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.50 (114)
184JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	15.31 (389)	4.88 (124)	6.00 (152)	26.19 (665)	5.50 (140)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.50 (114)
213JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	19.25 (489)	4.88 (124)	6.00 (152)	30.13 (765)	5.50 (140)	4	0.75 (19)	10.63 (270)	0.00	4.50 (114)
215JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	19.25 (489)	4.88 (124)	6.00 (152)	30.13 (765)	5.50 (140)	4	0.75 (19)	10.63 (270)	0.00	4.50 (114)
254JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	24.13 (613)	5.88 (149)	6.00 (152)	36.01 (915)	5.50 (140)	4	0.75 (19)	12.31 (313)	0.00	4.50 (114)

e-82-S (Optional Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
143JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	11.63 (295)	4.88 (124)	6.00 (152)	25.63 (651)	5.50 (140)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.50 (114)
145JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	12.63 (321)	4.88 (124)	6.00 (152)	26.63 (676)	5.50 (140)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.50 (114)
182JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	15.31 (389)	4.88 (124)	6.00 (152)	29.31 (744)	5.50 (140)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.50 (114)
184JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	15.31 (389)	4.88 (124)	6.00 (152)	29.31 (744)	5.50 (140)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.50 (114)
213JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	19.25 (489)	4.88 (124)	6.00 (152)	34.00 (864)	5.50 (140)	4	0.75 (19)	10.63 (270)	0.00	4.50 (114)
215JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	19.25 (489)	4.88 (124)	6.00 (152)	34.00 (864)	5.50 (140)	4	0.75 (19)	10.63 (270)	0.00	4.50 (114)
254JM	9.00 (229)	18.00 (457)	12.19 (310)	12.58 (320)	24.13 (613)	5.88 (149)	6.00 (152)	38.88 (988)	5.50 (140)	4	0.75 (19)	12.31 (313)	0.00	4.50 (114)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



**e-82 with Flange Support  
DIMENSIONS - inches (mm)**

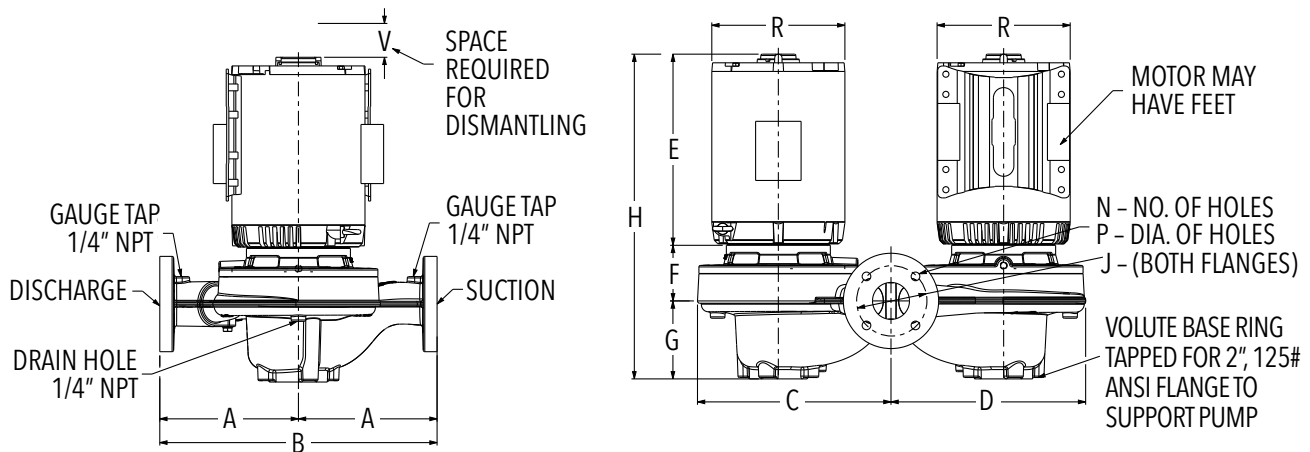
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
143JM	20.20 (513)	23.70 (602)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	23.50 (597)	26.63 (676)
145JM	20.20 (513)	23.70 (602)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	24.50 (622)	27.63 (702)
182JM	20.20 (513)	23.70 (602)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	27.19 (691)	30.31 (770)
184JM	20.20 (513)	23.70 (602)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	27.19 (691)	30.31 (770)
213JM	20.20 (513)	23.70 (602)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	31.13 (791)	35.00 (889)
215JM	20.20 (513)	23.70 (602)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	31.13 (791)	35.00 (889)
254JM	20.20 (513)	23.70 (602)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	37.00 (940)	39.88 (1013)

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NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

## e-82 2.5x2.5x9.5 (145JM - 215JM)



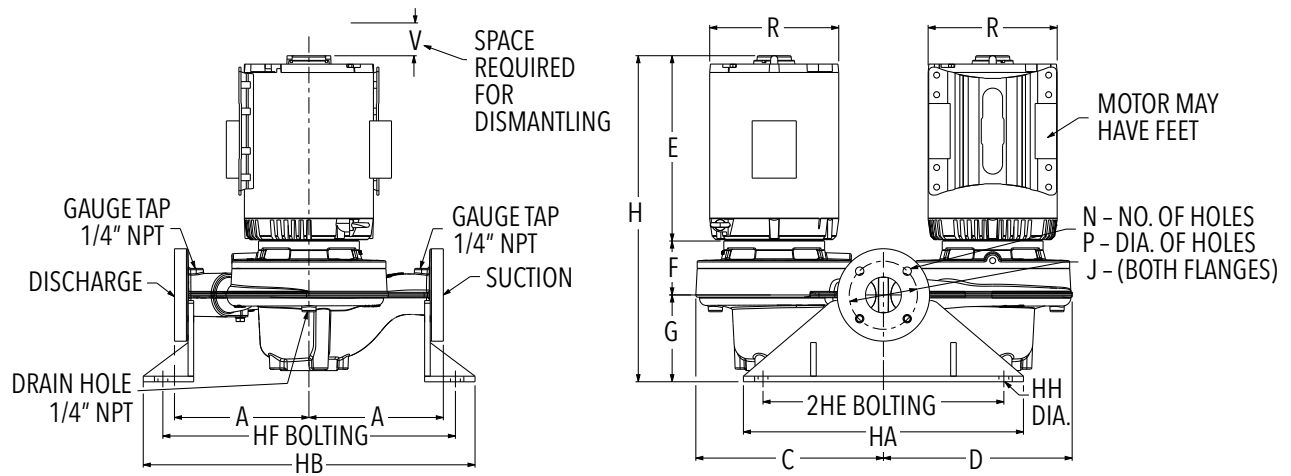
e-82-F (Standard Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
145JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	12.63 (321)	4.81 (122)	6.25 (159)	23.69 (602)	5.50 (140)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.75 (121)
182JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	15.31 (389)	4.81 (122)	6.25 (159)	26.37 (670)	5.50 (140)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.75 (121)
184JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	15.31 (389)	4.81 (122)	6.25 (159)	26.37 (670)	5.50 (140)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.75 (121)
213JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	19.25 (489)	4.81 (122)	6.25 (159)	30.31 (770)	5.50 (140)	4	0.75 (19)	10.63 (270)	0.00	4.75 (121)
215JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	19.25 (489)	4.81 (122)	6.25 (159)	30.31 (770)	5.50 (140)	4	0.75 (19)	10.63 (270)	0.00	4.75 (121)

e-82-S (Optional Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
145JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	12.63 (321)	7.94 (202)	6.25 (159)	26.82 (681)	5.50 (140)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.75 (121)
182JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	15.31 (389)	7.94 (202)	6.25 (159)	29.50 (749)	5.50 (140)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.75 (121)
184JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	15.31 (389)	7.94 (202)	6.25 (159)	29.50 (749)	5.50 (140)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.75 (121)
213JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	19.25 (489)	8.69 (221)	6.25 (159)	34.19 (868)	5.50 (140)	4	0.75 (19)	10.63 (270)	0.00	4.75 (121)
215JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	19.25 (489)	8.69 (221)	6.25 (159)	34.19 (868)	5.50 (140)	4	0.75 (19)	10.63 (270)	0.00	4.75 (121)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



**e-82 with Flange Support  
DIMENSIONS - inches (mm)**

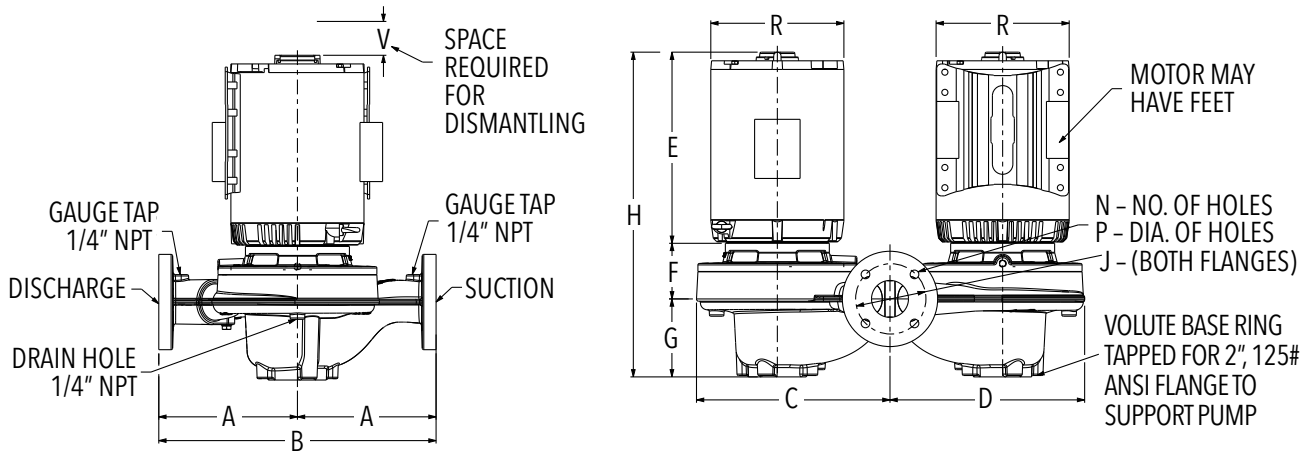
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
145JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	24.44 (621)	27.56 (700)
182JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	27.13 (689)	30.25 (768)
184JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	27.13 (689)	30.25 (768)
213JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	31.06 (789)	34.94 (887)
215JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	31.06 (789)	34.94 (887)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 2.5x2.5x9.5 (254JM - 326JM)**



**e-82-F (Standard Configuration)  
DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
254JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	24.13 (613)	5.81 (148)	6.25 (159)	36.19 (919)	5.50 (140)	4	0.75 (19)	12.31 (313)	0.00	4.75 (121)
256JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	24.13 (613)	5.81 (148)	6.25 (159)	36.19 (919)	5.50 (140)	4	0.75 (19)	12.31 (313)	0.00	4.75 (121)
284JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	25.13 (638)	5.81 (148)	6.25 (159)	37.19 (945)	5.50 (140)	4	0.75 (19)	14.13 (359)	4.63 (118)	4.75 (121)
286JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	25.13 (638)	5.81 (148)	6.25 (159)	37.19 (945)	5.50 (140)	4	0.75 (19)	14.13 (359)	4.63 (118)	4.75 (121)
324JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	26.00 (660)	5.81 (148)	6.25 (159)	38.06 (967)	5.50 (140)	4	0.75 (19)	15.56 (395)	5.38 (137)	4.75 (121)
326JM	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	26.00 (660)	5.81 (148)	6.25 (159)	38.06 (967)	5.50 (140)	4	0.75 (19)	15.56 (395)	5.38 (137)	4.75 (121)

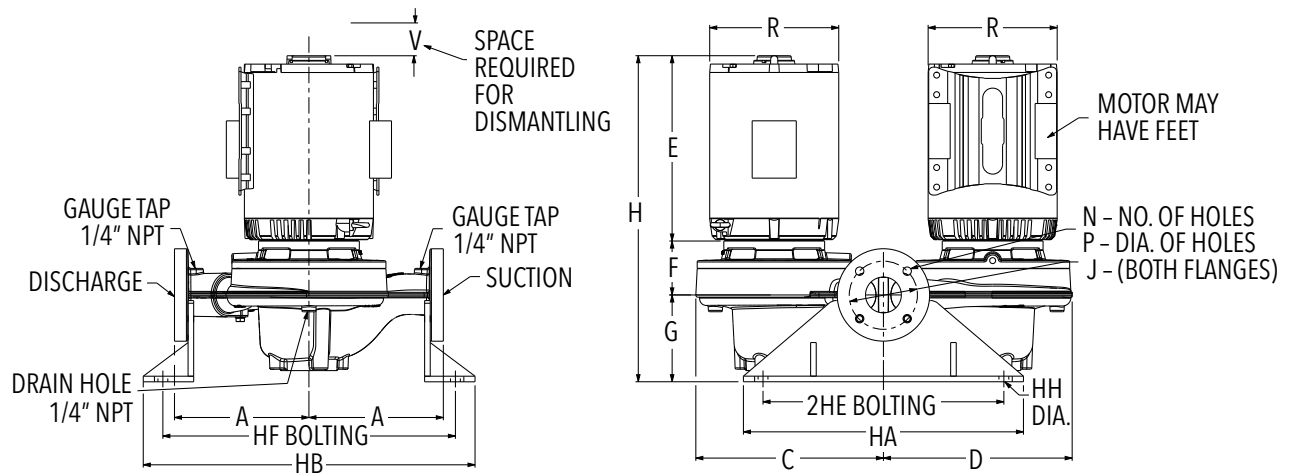
**e-82-S (Optional Configuration)  
DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
254JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	24.13 (613)	8.69 (221)	6.25 (159)	39.07 (992)	5.50 (140)	4	0.75 (19)	12.31 (313)	0.00	4.75 (121)
256JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	24.13 (613)	8.69 (221)	6.25 (159)	39.07 (992)	5.50 (140)	4	0.75 (19)	12.31 (313)	0.00	4.75 (121)
284JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	25.13 (638)	8.69 (221)	6.25 (159)	40.07 (1018)	5.50 (140)	4	0.75 (19)	14.13 (359)	4.63 (118)	4.75 (121)
286JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	25.13 (638)	8.69 (221)	6.25 (159)	40.07 (1018)	5.50 (140)	4	0.75 (19)	14.13 (359)	4.63 (118)	4.75 (121)
324JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	26.00 (660)	8.69 (221)	6.25 (159)	40.94 (1040)	5.50 (140)	4	0.75 (19)	15.56 (395)	5.38 (137)	4.75 (121)
326JP	10.75 (273)	21.50 (546)	14.93 (379)	15.36 (390)	26.00 (660)	8.69 (221)	6.25 (159)	40.94 (1040)	5.50 (140)	4	0.75 (19)	15.56 (395)	5.38 (137)	4.75 (121)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



**e-82 with Flange Support  
DIMENSIONS - inches (mm)**

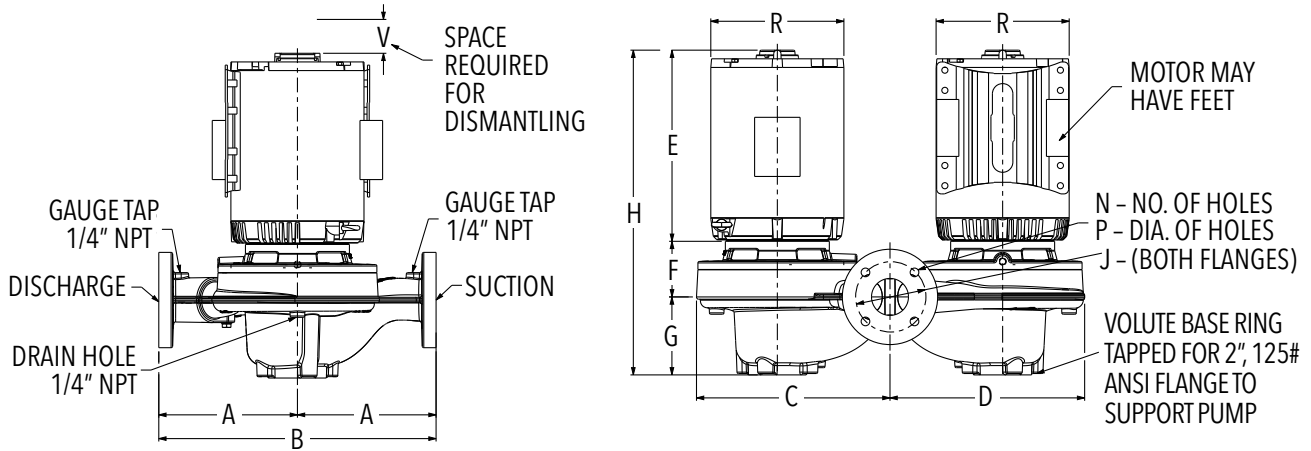
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
254JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	36.94 (938)	39.81 (1011)
256JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	36.94 (938)	39.81 (1011)
284JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	36.44 (926)	39.31 (999)
286JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	37.94 (964)	40.81 (1037)
324JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	38.81 (986)	41.69 (1059)
326JM	23.73 (603)	27.23 (692)	21.50 (546)	25.00 (635)	0.88 (22)	7.00 (178)	38.81 (986)	41.69 (1059)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 3x3x7 (143JM - 254JM)**



<b>e-82-F (Standard Configuration)</b>														
<b>DIMENSIONS - inches (mm)</b>														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
143JM	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	11.63 (295)	4.88 (124)	6.25 (159)	22.76 (578)	6.00 (152)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.50 (114)
145JM	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	12.63 (321)	4.88 (124)	6.25 (159)	23.76 (604)	6.00 (152)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.50 (114)
182JM	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	15.31 (389)	4.88 (124)	6.25 (159)	26.44 (672)	6.00 (152)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.50 (114)
184JM	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	15.31 (389)	4.88 (124)	6.25 (159)	26.44 (672)	6.00 (152)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.50 (114)
213JM	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	19.25 (489)	4.88 (124)	6.25 (159)	30.38 (772)	6.00 (152)	4	0.75 (19)	10.63 (270)	0.00	4.50 (114)
215JM	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	19.25 (489)	4.88 (124)	6.25 (159)	30.38 (772)	6.00 (152)	4	0.75 (19)	10.63 (270)	0.00	4.50 (114)
254JM	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	24.13 (613)	5.88 (149)	6.25 (159)	36.26 (921)	6.00 (152)	4	0.75 (19)	12.31 (313)	0.00	4.50 (114)

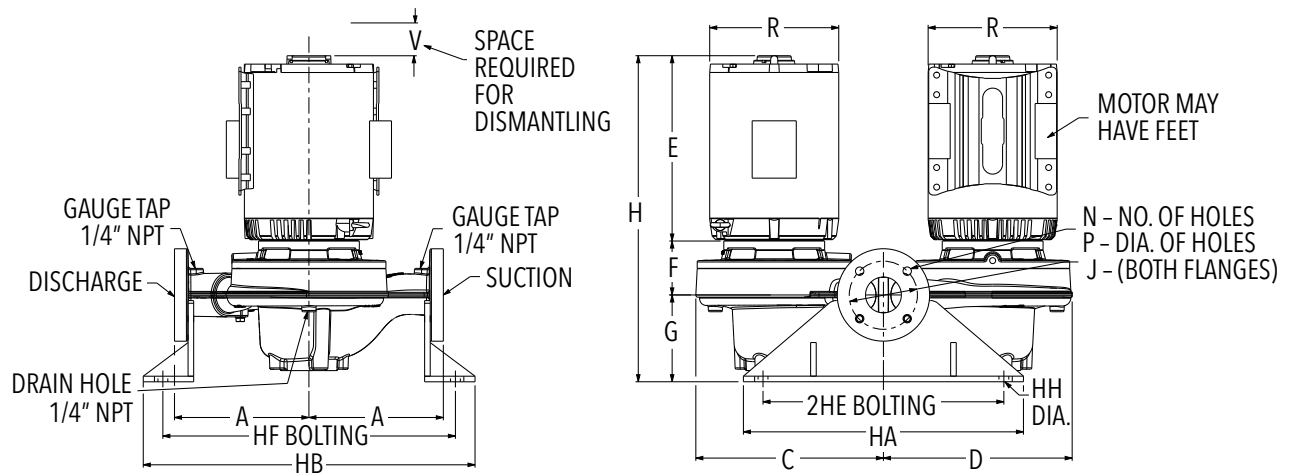
<b>e-82-S (Optional Configuration)</b>														
<b>DIMENSIONS - inches (mm)</b>														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
143JP	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	11.63 (295)	8.00 (203)	6.25 (159)	25.88 (657)	6.00 (152)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.50 (114)
145JP	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	12.63 (321)	8.00 (203)	6.25 (159)	26.88 (683)	6.00 (152)	4	0.75 (19)	7.19 (183)	1.50 (38)	4.50 (114)
182JP	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	15.31 (389)	8.00 (203)	6.25 (159)	29.56 (751)	6.00 (152)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.50 (114)
184JP	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	15.31 (389)	8.00 (203)	6.25 (159)	29.56 (751)	6.00 (152)	4	0.75 (19)	8.75 (222)	1.00 (25)	4.50 (114)
213JP	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	19.25 (489)	8.75 (222)	6.25 (159)	34.25 (870)	6.00 (152)	4	0.75 (19)	10.63 (270)	0.00	4.50 (114)
215JP	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	19.25 (489)	8.38 (213)	6.25 (159)	33.88 (861)	6.00 (152)	4	0.75 (19)	10.63 (270)	0.00	4.50 (114)
254JP	9.50 (241)	19.00 (483)	13.17 (335)	13.83 (351)	24.13 (613)	8.75 (222)	6.25 (159)	39.13 (994)	6.00 (152)	4	0.75 (19)	12.31 (313)	0.00	4.50 (114)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H





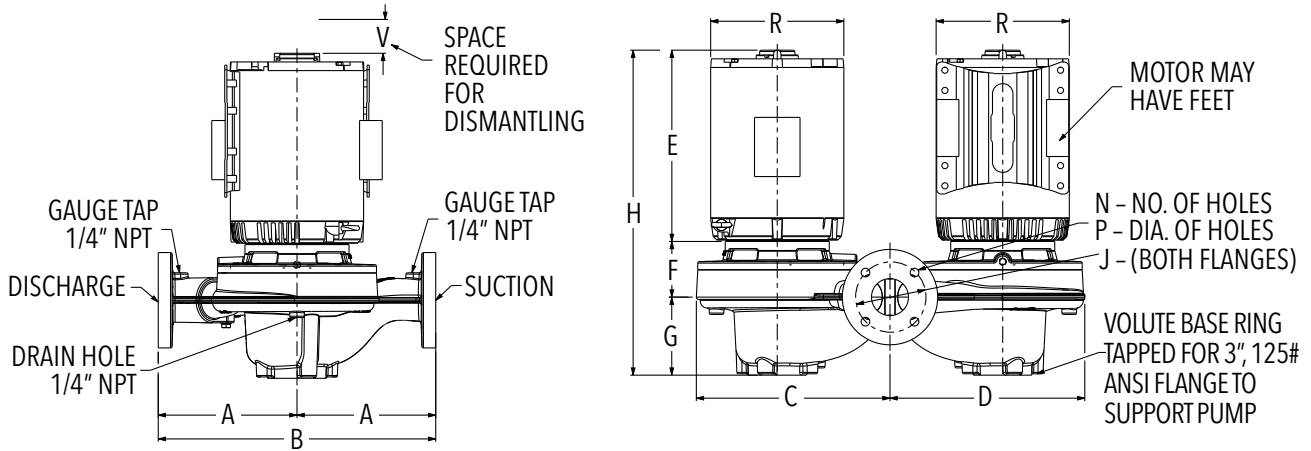
e-82 with Flange Support DIMENSIONS - inches (mm)								
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
143JM	20.95 (532)	24.45 (621)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	24.25 (616)	27.38 (695)
145JM	20.95 (532)	24.45 (621)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	25.25 (641)	28.38 (721)
182JM	20.95 (532)	24.45 (621)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	27.94 (710)	31.06 (789)
184JM	20.95 (532)	24.45 (621)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	27.94 (710)	31.06 (789)
213JM	20.95 (532)	24.45 (621)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	31.88 (810)	35.75 (908)
215JM	20.95 (532)	24.45 (621)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	31.88 (810)	35.38 (899)
254JM	20.95 (532)	24.45 (621)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	37.75 (959)	40.63 (1032)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 3x3x9.5 (184JM - 286JM)**



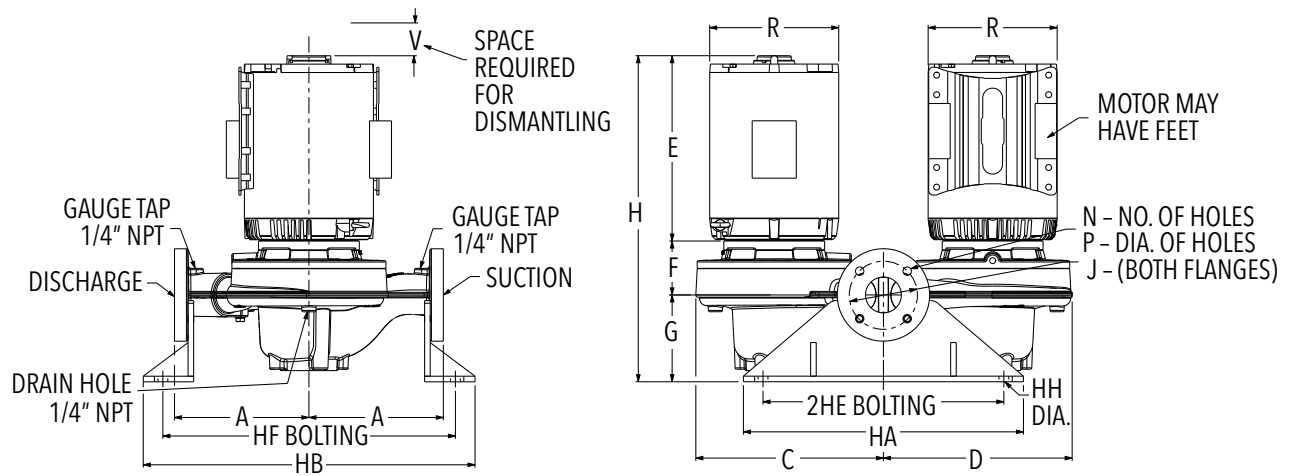
e-82-F (Standard Configuration)														
DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
184JM	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	15.38 (391)	4.81 (122)	6.25 (159)	26.44 (672)	6.00 (152)	4	0.75 (19)	8.75 (222)	0.31 (8)	4.50 (114)
213JM	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	19.25 (489)	4.81 (122)	6.25 (159)	30.31 (770)	6.00 (152)	4	0.75 (19)	10.63 (270)	1.00 (25)	4.50 (114)
215JM	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	19.25 (489)	4.81 (122)	6.25 (159)	30.31 (770)	6.00 (152)	4	0.75 (19)	10.63 (270)	2.50 (64)	4.50 (114)
254JM	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	24.13 (613)	5.81 (148)	6.25 (159)	36.19 (919)	6.00 (152)	4	0.75 (19)	12.31 (313)	1.00 (25)	4.50 (114)
256JM	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	24.13 (613)	5.81 (148)	6.25 (159)	36.19 (919)	6.00 (152)	4	0.75 (19)	12.31 (313)	2.75 (70)	4.50 (114)
284JM	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	25.13 (638)	5.81 (148)	6.25 (159)	37.19 (945)	6.00 (152)	4	0.75 (19)	14.13 (359)	5.63 (143)	4.50 (114)
286JM	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	25.13 (638)	5.81 (148)	6.25 (159)	37.19 (945)	6.00 (152)	4	0.75 (19)	14.13 (359)	5.25 (133)	4.50 (114)

e-82-S (Optional Configuration)														
DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
184JP	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	15.38 (391)	7.94 (202)	6.25 (159)	29.57 (751)	6.00 (152)	4	0.75 (19)	8.75 (222)	0.31 (8)	4.50 (114)
213JP	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	19.25 (489)	8.69 (221)	6.25 (159)	34.19 (868)	5.50 (140)	4	0.75 (19)	10.63 (270)	1.00 (25)	4.50 (114)
215JP	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	19.25 (489)	8.69 (221)	6.25 (159)	34.19 (868)	5.50 (140)	4	0.75 (19)	10.63 (270)	2.50 (64)	4.50 (114)
254JP	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	24.13 (613)	8.69 (221)	6.25 (159)	39.07 (992)	5.50 (140)	4	0.75 (19)	12.31 (313)	1.00 (25)	4.50 (114)
256JP	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	24.13 (613)	8.69 (221)	6.25 (159)	39.07 (992)	5.50 (140)	4	0.75 (19)	12.31 (313)	2.75 (70)	4.50 (114)
284JP	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	25.13 (638)	8.69 (221)	6.25 (159)	40.07 (1018)	5.50 (140)	4	0.75 (19)	14.13 (359)	5.63 (143)	4.50 (114)
286JP	11.50 (292)	23.00 (584)	16.52 (420)	16.96 (431)	25.13 (638)	8.69 (221)	6.25 (159)	40.07 (1018)	5.50 (140)	4	0.75 (19)	14.13 (359)	5.25 (133)	4.50 (114)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



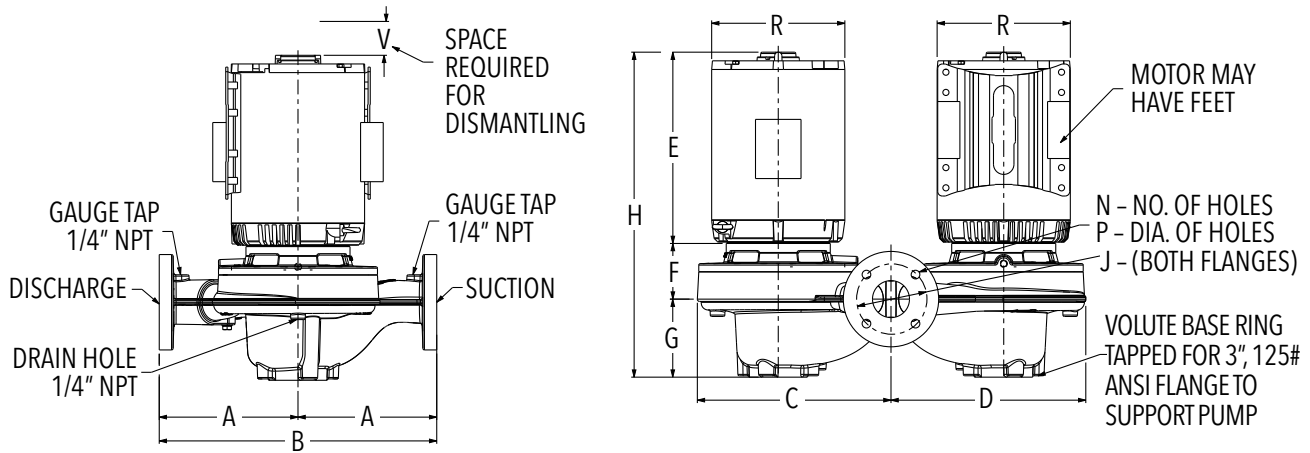
e-82 with Flange Support DIMENSIONS - inches (mm)								
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
184JM	25.10 (638)	28.60 (726)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	27.94 (710)	31.06 (789)
213JM	25.10 (638)	28.60 (726)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	31.81 (808)	35.69 (906)
215JM	25.10 (638)	28.60 (726)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	31.81 (808)	35.69 (906)
254JM	25.10 (638)	28.60 (726)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	37.69 (957)	40.56 (1030)
256JM	25.10 (638)	28.60 (726)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	37.69 (957)	40.56 (1030)
284JM	25.10 (638)	28.60 (726)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	36.19 (919)	39.06 (992)
286JM	25.10 (638)	28.60 (726)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	37.69 (957)	40.56 (1030)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 3x3x11 (213JM - 324JM)**



**e-82-F (Standard Configuration)  
DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
213JM	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	19.25 (489)	4.19 (106)	6.75 (171)	30.19 (767)	6.00 (152)	4	0.75 (19)	10.63 (270)	0.00	5.75 (146)
215JM	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	19.25 (489)	4.19 (106)	6.75 (171)	30.19 (767)	6.00 (152)	4	0.75 (19)	10.63 (270)	0.00	5.75 (146)
254JM	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	24.13 (613)	4.67 (119)	6.75 (171)	35.55 (903)	6.00 (152)	4	0.75 (19)	12.31 (313)	0.00	5.75 (146)
256JM	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	24.13 (613)	4.67 (119)	6.75 (171)	35.55 (903)	6.00 (152)	4	0.75 (19)	12.31 (313)	0.00	5.75 (146)
284JM	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	25.13 (638)	4.67 (119)	6.75 (171)	36.55 (928)	6.00 (152)	4	0.75 (19)	14.13 (359)	4.63 (118)	5.75 (146)
286JM	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	25.13 (638)	4.67 (119)	6.75 (171)	36.55 (928)	6.00 (152)	4	0.75 (19)	14.13 (359)	4.63 (118)	5.75 (146)
324JM	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	26.00 (660)	4.67 (119)	6.75 (171)	37.42 (950)	6.00 (152)	4	0.75 (19)	15.56 (395)	4.63 (118)	5.75 (146)

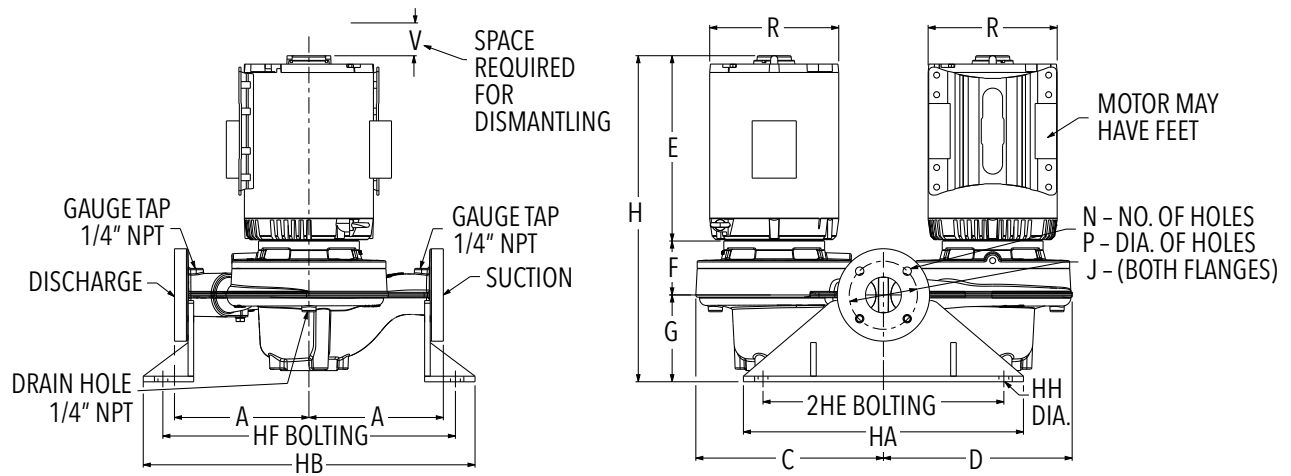
**e-82-S (Optional Configuration)  
DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
213JP	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	19.25 (489)	7.19 (183)	6.75 (171)	33.19 (843)	6.00 (152)	4	0.75 (19)	10.63 (270)	0.00	5.75 (146)
215JP	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	19.25 (489)	7.19 (183)	6.75 (171)	33.19 (843)	6.00 (152)	4	0.75 (19)	10.63 (270)	0.00	5.75 (146)
254JP	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	24.13 (613)	7.50 (191)	6.75 (171)	38.38 (975)	6.00 (152)	4	0.75 (19)	12.31 (313)	0.00	5.75 (146)
256JP	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	24.13 (613)	7.50 (191)	6.75 (171)	38.38 (975)	6.00 (152)	4	0.75 (19)	12.31 (313)	0.00	5.75 (146)
284JP	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	25.13 (638)	7.50 (191)	6.75 (171)	39.38 (1000)	6.00 (152)	4	0.75 (19)	14.13 (359)	4.63 (118)	5.75 (146)
286JP	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	25.13 (638)	7.50 (191)	6.75 (171)	39.38 (1000)	6.00 (152)	4	0.75 (19)	14.13 (359)	4.63 (118)	5.75 (146)
324JP	12.00 (305)	24.00 (610)	16.75 (425)	16.84 (428)	26.00 (660)	7.50 (191)	6.75 (171)	40.25 (1022)	6.00 (152)	4	0.75 (19)	15.56 (395)	4.63 (118)	5.75 (146)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

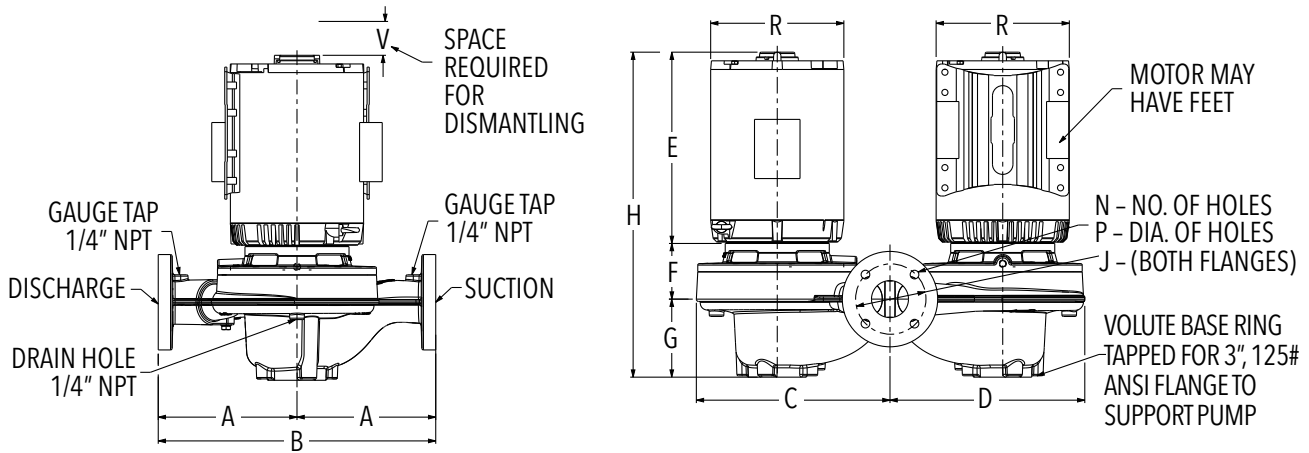
\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



e-82 with Flange Support DIMENSIONS - inches (mm)								
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
213JM	25.94 (659)	29.44 (748)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	31.19 (792)	34.19 (868)
215JM	25.94 (659)	29.44 (748)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	31.19 (792)	34.19 (868)
254JM	25.94 (659)	29.44 (748)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	36.54 (928)	39.38 (1000)
256JM	25.94 (659)	29.44 (748)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	36.54 (928)	39.38 (1000)
284JM	25.94 (659)	29.44 (748)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	36.04 (916)	38.88 (987)
286JM	25.94 (659)	29.44 (748)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	37.54 (954)	40.38 (1026)
324JM	25.94 (659)	29.44 (748)	21.50 (546)	25.00 (635)	0.88 (22)	7.75 (197)	38.42 (976)	41.25 (1048)

Dimensions are subject to change. Not to be used for construction purposes unless certified.  
 NOTE: For Single phase Motors add 1" to dimensions E & H.  
 \*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 4x4x7 (145JM - 256JM)**



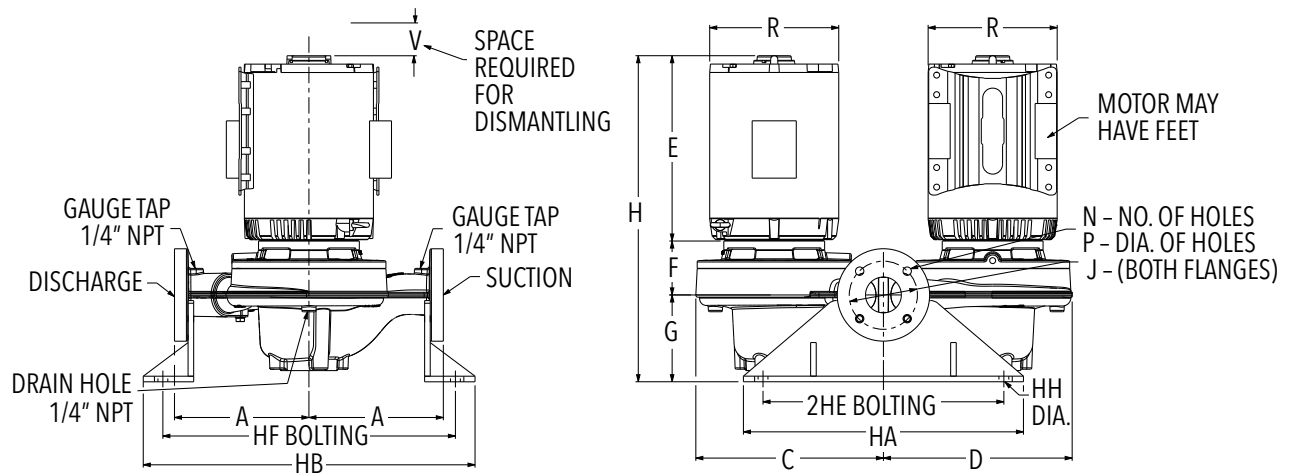
e-82-F (Standard Configuration)														
DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
145JM	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	12.63 (321)	5.13 (130)	6.91 (175)	24.67 (626)	7.50 (191)	8	0.75 (19)	7.19 (183)	1.50 (38)	5.00 (127)
182JM	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	15.31 (389)	5.13 (130)	6.91 (175)	27.35 (695)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.00 (127)
184JM	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	15.31 (389)	5.13 (130)	6.91 (175)	27.35 (695)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.00 (127)
213JM	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	19.25 (489)	5.13 (130)	6.91 (175)	31.29 (795)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.00 (127)
215JM	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	19.25 (489)	5.13 (130)	6.91 (175)	31.29 (795)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.00 (127)
254JM	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	24.13 (613)	6.13 (156)	6.91 (175)	37.17 (944)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.00 (127)
256JM	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	24.13 (613)	6.13 (156)	6.91 (175)	37.17 (944)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.00 (127)

e-82-S (Optional Configuration)														
DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
145JP	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	12.63 (321)	8.25 (210)	6.91 (175)	27.79 (706)	7.50 (191)	8	0.75 (19)	7.19 (183)	1.50 (38)	5.00 (127)
182JP	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	15.31 (389)	8.25 (210)	6.91 (175)	30.47 (774)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.00 (127)
184JP	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	15.31 (389)	8.25 (210)	6.91 (175)	30.47 (774)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.00 (127)
213JP	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	19.25 (489)	9.00 (229)	6.91 (175)	35.16 (893)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.00 (127)
215JP	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	19.25 (489)	9.00 (229)	6.91 (175)	35.16 (893)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.00 (127)
254JP	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	24.13 (613)	9.00 (229)	6.91 (175)	40.04 (1017)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.00 (127)
256JP	10.50 (267)	21.00 (533)	14.53 (369)	15.12 (384)	24.13 (613)	9.00 (229)	6.91 (175)	40.04 (1017)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.00 (127)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



**e-82 with Flange Support  
DIMENSIONS - inches (mm)**

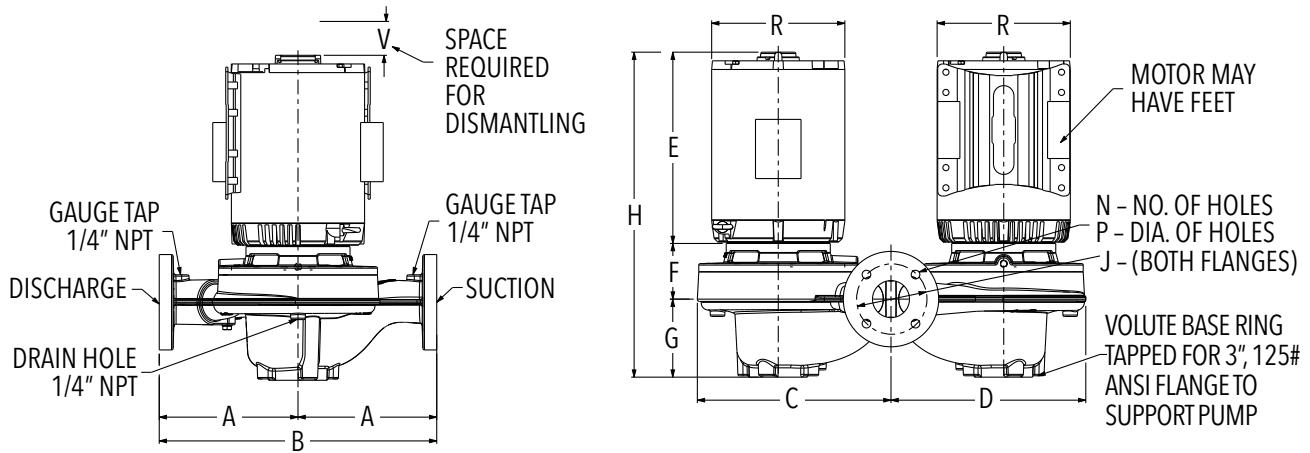
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
145JM	22.66 (576)	26.16 (664)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	26.77 (680)	29.90 (759)
182JM	22.66 (576)	26.16 (664)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	29.46 (748)	32.58 (828)
184JM	22.66 (576)	26.16 (664)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	29.46 (748)	32.58 (828)
213JM	22.66 (576)	26.16 (664)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	33.40 (848)	37.27 (947)
215JM	22.66 (576)	26.16 (664)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	33.40 (848)	37.27 (947)
254JM	22.66 (576)	26.16 (664)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	39.27 (997)	42.15 (1070)
256JM	22.66 (576)	26.16 (664)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	39.27 (997)	42.15 (1070)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 4x4x9.5 (182JM - 254JM)**



e-82-F (Standard Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
182JM	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	15.31 (389)	5.13 (130)	7.31 (186)	27.75 (705)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.00 (127)
184JM	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	15.31 (389)	5.13 (130)	7.31 (186)	27.75 (705)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.00 (127)
213JM	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	19.25 (489)	5.13 (130)	7.31 (186)	31.69 (805)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.00 (127)
215JM	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	19.25 (489)	5.13 (130)	7.31 (186)	31.69 (805)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.00 (127)
254JM	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	24.13 (613)	6.13 (156)	7.31 (186)	37.57 (954)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.00 (127)

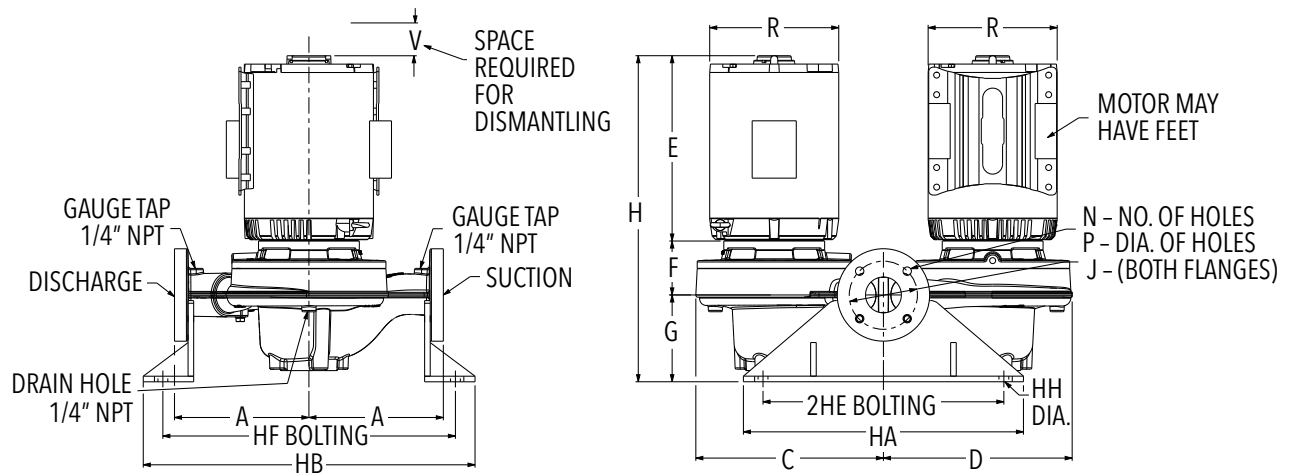
e-82-S (Optional Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
182JP	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	15.31 (389)	8.25 (210)	7.31 (186)	30.87 (784)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.00 (127)
184JP	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	15.31 (389)	8.25 (210)	7.31 (186)	30.87 (784)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.00 (127)
213JP	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	19.25 (489)	9.00 (229)	7.31 (186)	35.56 (903)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.00 (127)
215JP	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	19.25 (489)	9.00 (229)	7.31 (186)	35.56 (903)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.00 (127)
254JP	12.50 (318)	25.00 (635)	15.41 (391)	16.23 (412)	24.13 (613)	9.00 (229)	7.31 (186)	40.44 (1027)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.00 (127)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

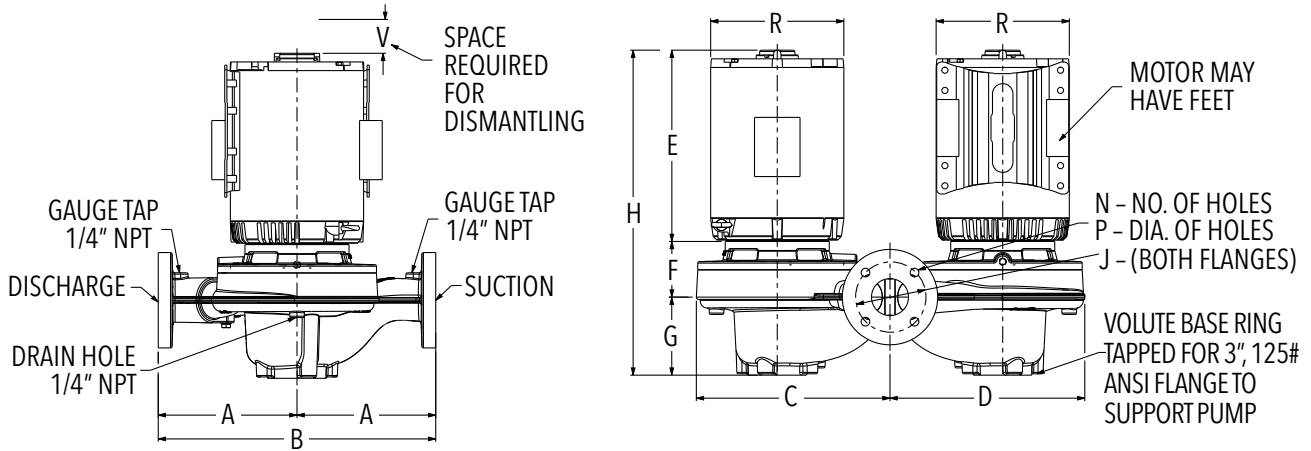




e-82 with Flange Support DIMENSIONS - inches (mm)								
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
182JM	26.66 (677)	30.16 (766)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	29.46 (748)	32.58 (828)
184JM	26.66 (677)	30.16 (766)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	29.46 (748)	32.58 (828)
213JM	26.66 (677)	30.16 (766)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	33.40 (848)	37.27 (947)
215JM	26.66 (677)	30.16 (766)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	33.40 (848)	37.27 (947)
254JM	26.66 (677)	30.16 (766)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	39.27 (997)	42.15 (1070)

Dimensions are subject to change. Not to be used for construction purposes unless certified.  
 NOTE: For Single phase Motors add 1" to dimensions E & H.  
 \*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 4x4x11 (184JM - 256JM)**



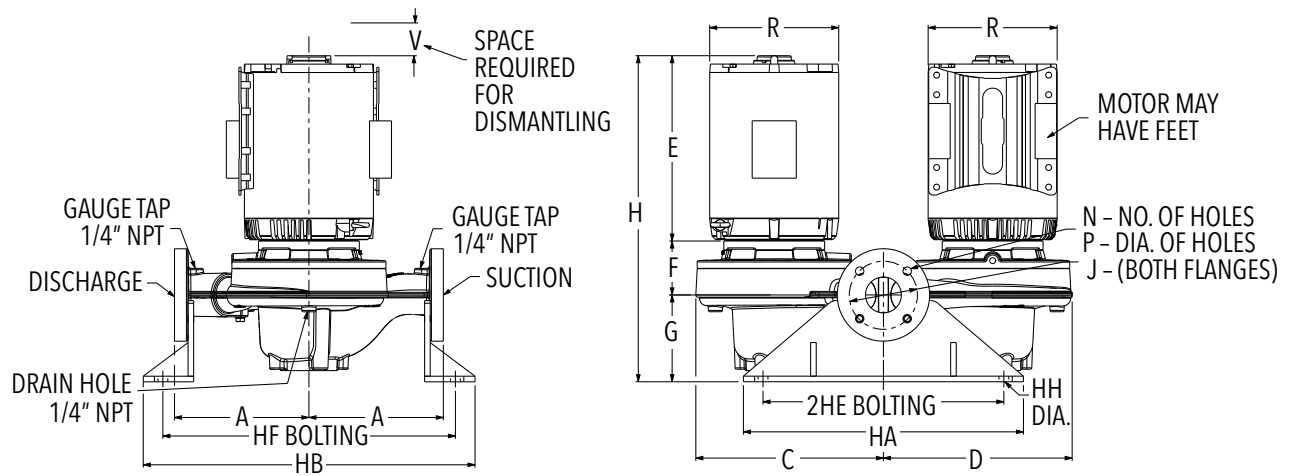
e-82-F (Standard Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
184JM	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	15.31 (389)	4.38 (111)	7.50 (191)	27.19 (691)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.25 (133)
213JM	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	19.25 (489)	4.38 (111)	7.50 (191)	31.13 (791)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.25 (133)
215JM	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	19.25 (489)	4.38 (111)	7.50 (191)	31.13 (791)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.25 (133)
254JM	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	24.13 (613)	4.86 (123)	7.50 (191)	36.49 (927)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.25 (133)
256JM	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	24.13 (613)	4.86 (123)	7.50 (191)	36.49 (927)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.25 (133)

e-82-S (Optional Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
184JP	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	15.31 (389)	7.38 (187)	7.50 (191)	30.19 (767)	7.50 (191)	8	0.75 (19)	8.75 (222)	1.00 (25)	5.25 (133)
213JP	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	19.25 (489)	7.38 (187)	7.50 (191)	34.13 (867)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.25 (133)
215JP	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	19.25 (489)	7.38 (187)	7.50 (191)	34.13 (867)	7.50 (191)	8	0.75 (19)	10.63 (270)	0.00	5.25 (133)
254JP	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	24.13 (613)	7.69 (195)	7.50 (191)	39.32 (999)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.25 (133)
256JP	13.00 (330)	26.00 (660)	15.41 (391)	16.23 (412)	24.13 (613)	7.69 (195)	7.50 (191)	39.32 (999)	7.50 (191)	8	0.75 (19)	12.31 (313)	0.00	5.25 (133)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

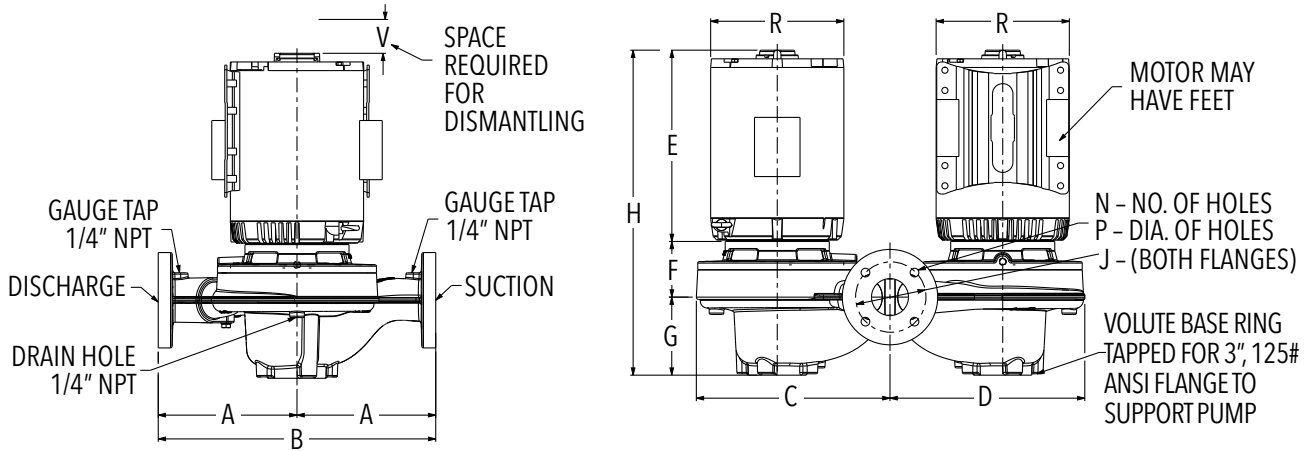
\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



e-82 with Flange Support DIMENSIONS - inches (mm)								
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
184JP	27.66 (703)	31.16 (791)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	28.71 (729)	31.71 (805)
213JP	27.66 (703)	31.16 (791)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	32.65 (829)	35.65 (905)
215JP	27.66 (703)	31.16 (791)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	32.65 (829)	35.65 (905)
254JP	27.66 (703)	31.16 (791)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	38.00 (965)	40.83 (1037)
256JP	27.66 (703)	31.16 (791)	21.50 (546)	25.00 (635)	0.88 (22)	9.02 (229)	38.00 (965)	40.83 (1037)

Dimensions are subject to change. Not to be used for construction purposes unless certified.  
 NOTE: For Single phase Motors add 1" to dimensions E & H.  
 \*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 6x6x7 (182JM - 215JM)**



**e-82-F (Standard Configuration)  
DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
182JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	15.31 (389)	6.06 (154)	8.00 (203)	29.37 (746)	9.50 (241)	8	0.88 (22)	8.75 (222)	1.00 (25)	5.25 (133)
184JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	15.31 (389)	6.06 (154)	8.00 (203)	29.37 (746)	9.50 (241)	8	0.88 (22)	8.75 (222)	1.00 (25)	5.25 (133)
213JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	19.25 (489)	6.06 (154)	8.00 (203)	33.31 (846)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.25 (133)
215JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	19.25 (489)	6.06 (154)	8.00 (203)	33.31 (846)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.25 (133)

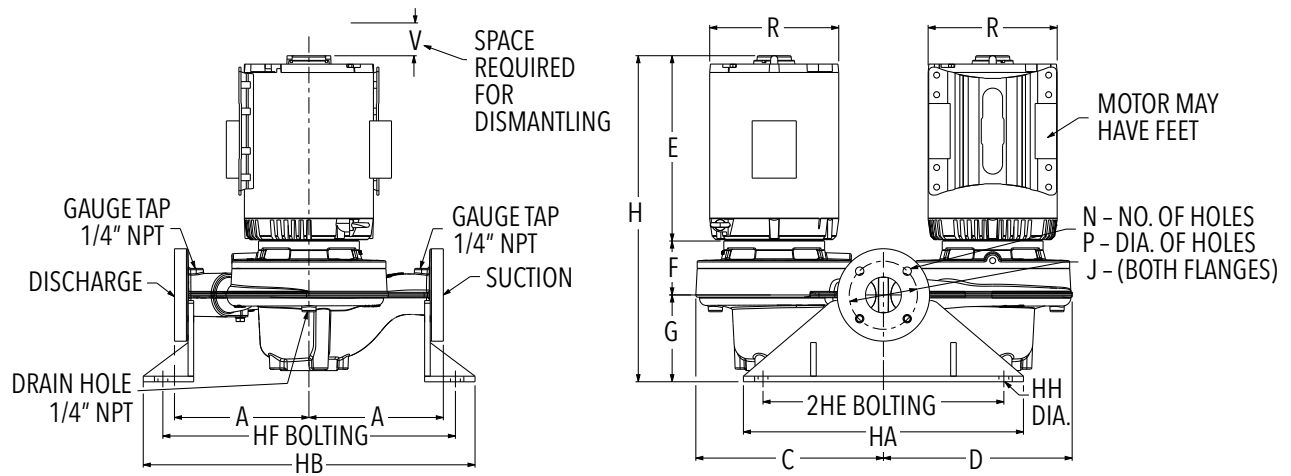
**e-82-S (Optional Configuration)  
DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
182JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	15.31 (389)	9.25 (235)	8.00 (203)	32.56 (827)	9.50 (241)	8	0.88 (22)	8.75 (222)	1.00 (25)	5.25 (133)
184JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	15.31 (389)	9.25 (235)	8.00 (203)	32.56 (827)	9.50 (241)	8	0.88 (22)	8.75 (222)	1.00 (25)	5.25 (133)
213JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	19.25 (489)	9.94 (252)	8.00 (203)	37.19 (945)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.25 (133)
215JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	19.25 (489)	9.94 (252)	8.00 (203)	37.19 (945)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.25 (133)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



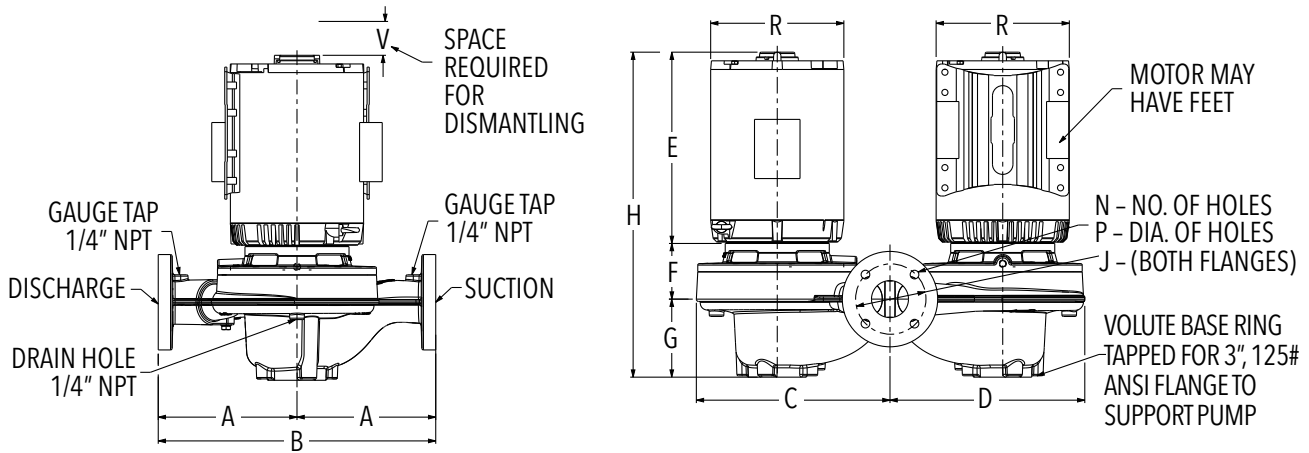
e-82 with Flange Support DIMENSIONS - inches (mm)								
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
182JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	31.25 (794)	34.44 (875)
184JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	31.25 (794)	34.44 (875)
213JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	35.19 (894)	39.06 (992)
215JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	35.19 (894)	39.06 (992)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 6x6x7 (254JM - 326JM)**



**e-82-F (Standard Configuration)  
DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
254JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	24.13 (613)	7.06 (179)	8.00 (203)	39.19 (995)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.25 (133)
256JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	24.13 (613)	7.06 (179)	8.00 (203)	39.19 (995)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.25 (133)
284JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	25.13 (638)	7.06 (179)	8.00 (203)	40.19 (1021)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.25 (133)
286JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	25.13 (638)	7.06 (179)	8.00 (203)	40.19 (1021)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.25 (133)
324JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	26.00 (660)	7.06 (179)	8.00 (203)	41.06 (1043)	9.50 (241)	8	0.88 (22)	15.56 (395)	4.63 (118)	5.25 (133)
326JM	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	26.00 (660)	7.06 (179)	8.00 (203)	41.06 (1043)	9.50 (241)	8	0.88 (22)	15.56 (395)	4.63 (118)	5.25 (133)

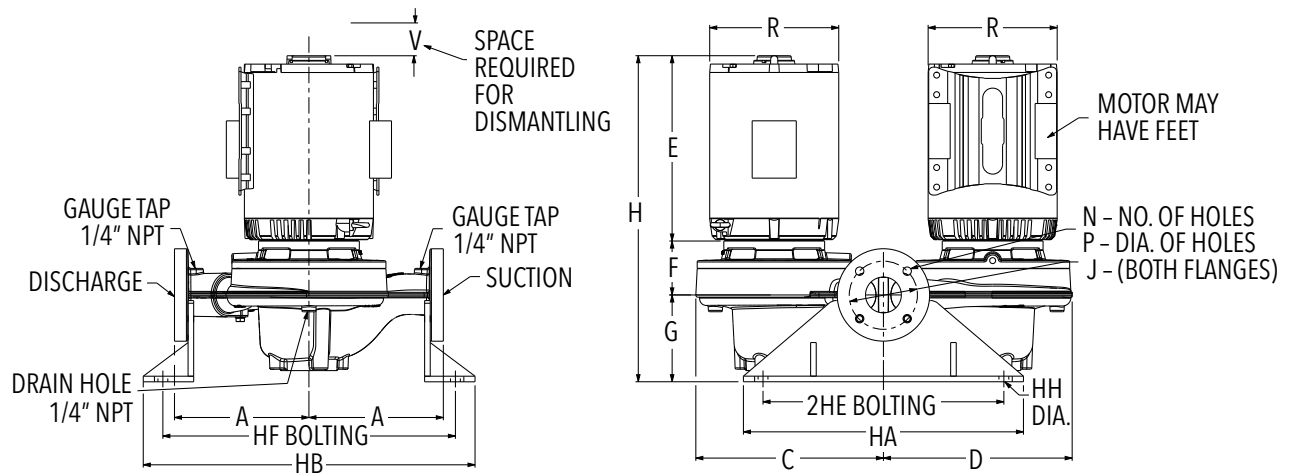
**e-82-S (Optional Configuration)  
DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
254JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	24.13 (613)	9.94 (252)	8.00 (203)	42.07 (1069)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.25 (133)
256JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	24.13 (613)	9.94 (252)	8.00 (203)	42.07 (1069)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.25 (133)
284JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	25.13 (638)	9.94 (252)	8.00 (203)	43.07 (1094)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.25 (133)
286JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	25.13 (638)	9.94 (252)	8.00 (203)	43.07 (1094)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.25 (133)
324JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	26.00 (660)	9.94 (252)	8.00 (203)	43.94 (1116)	9.50 (241)	8	0.88 (22)	15.56 (395)	4.63 (118)	5.25 (133)
326JP	14.00 (356)	28.00 (711)	16.50 (419)	17.47 (444)	26.00 (660)	9.94 (252)	8.00 (203)	43.94 (1116)	9.50 (241)	8	0.88 (22)	15.56 (395)	4.63 (118)	5.25 (133)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



**e-82 with Flange Support  
DIMENSIONS - inches (mm)**

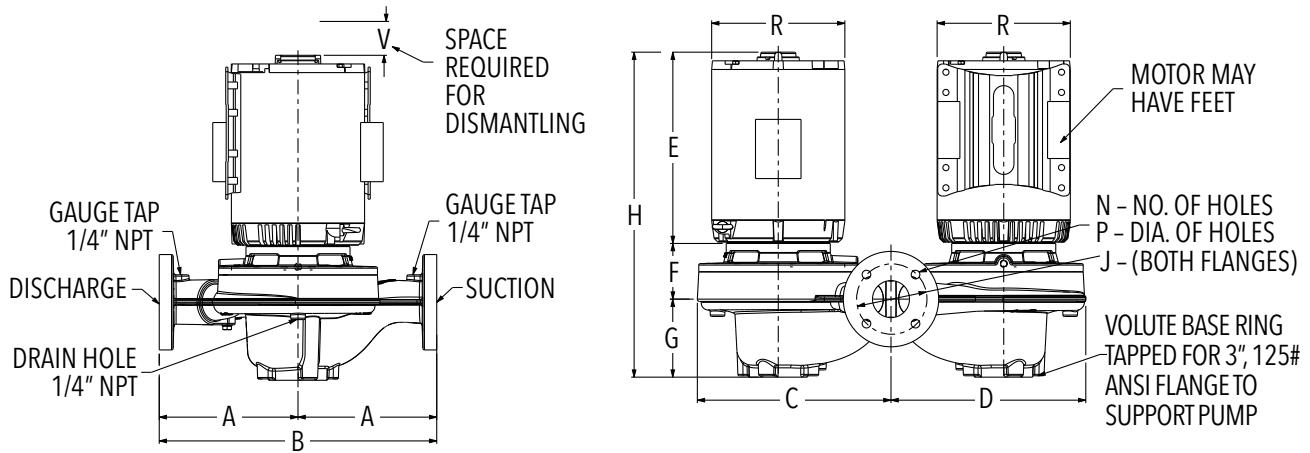
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
254JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	41.06 (1043)	43.94 (1116)
256JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	41.06 (1043)	43.94 (1116)
284JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	42.07 (1069)	44.94 (1142)
286JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	42.06 (1068)	44.94 (1141)
324JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	42.94 (1091)	45.81 (1164)
326JM	29.50 (749)	33.00 (838)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	42.94 (1091)	45.81 (1164)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 6x6x9.5 (213JM - 284JM)**



e-82-F (Standard Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
213JM	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	19.25 (489)	5.38 (137)	9.29 (236)	33.92 (862)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.00 (127)
215JM	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	19.25 (489)	5.38 (137)	9.29 (236)	33.92 (862)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.00 (127)
254JM	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	24.13 (613)	6.25 (159)	9.29 (236)	39.67 (1008)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.00 (127)
256JM	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	24.13 (613)	6.25 (159)	9.29 (236)	39.67 (1008)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.00 (127)
284JM	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	25.13 (638)	6.25 (159)	9.29 (236)	40.67 (1033)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.00 (127)

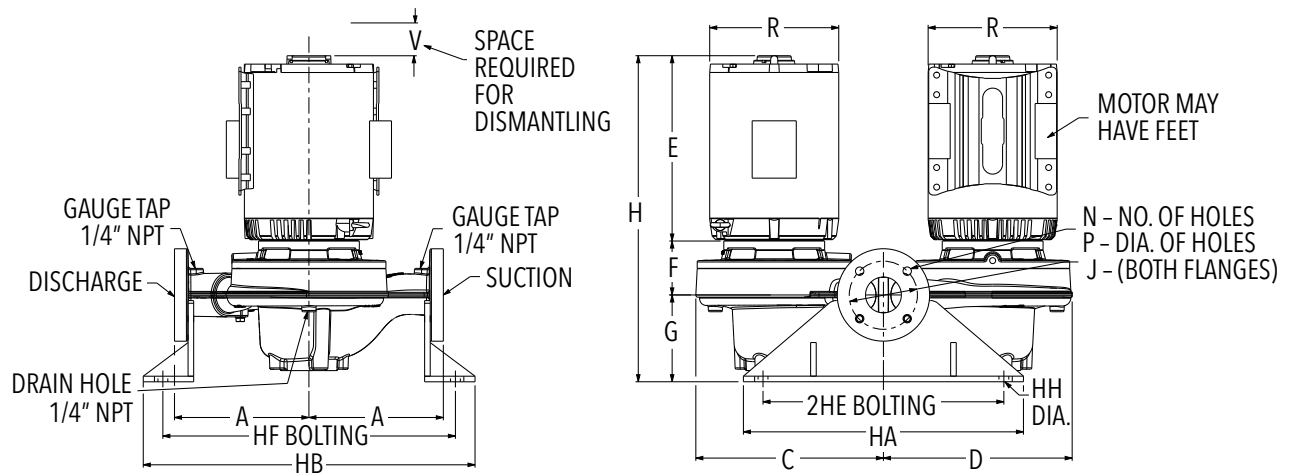
e-82-S (Optional Configuration) DIMENSIONS - inches (mm)														
MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
213JP	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	19.25 (489)	9.25 (235)	9.29 (236)	37.79 (960)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.00 (127)
215JP	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	19.25 (489)	9.25 (235)	9.29 (236)	37.79 (960)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.00 (127)
254JP	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	24.13 (613)	9.25 (235)	9.29 (236)	42.67 (1084)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.00 (127)
256JP	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	24.13 (613)	9.25 (235)	9.29 (236)	42.67 (1084)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.00 (127)
284JP	16.75 (425)	33.50 (851)	20.82 (529)	22.83 (580)	25.13 (638)	9.25 (235)	9.29 (236)	43.67 (1109)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.00 (127)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

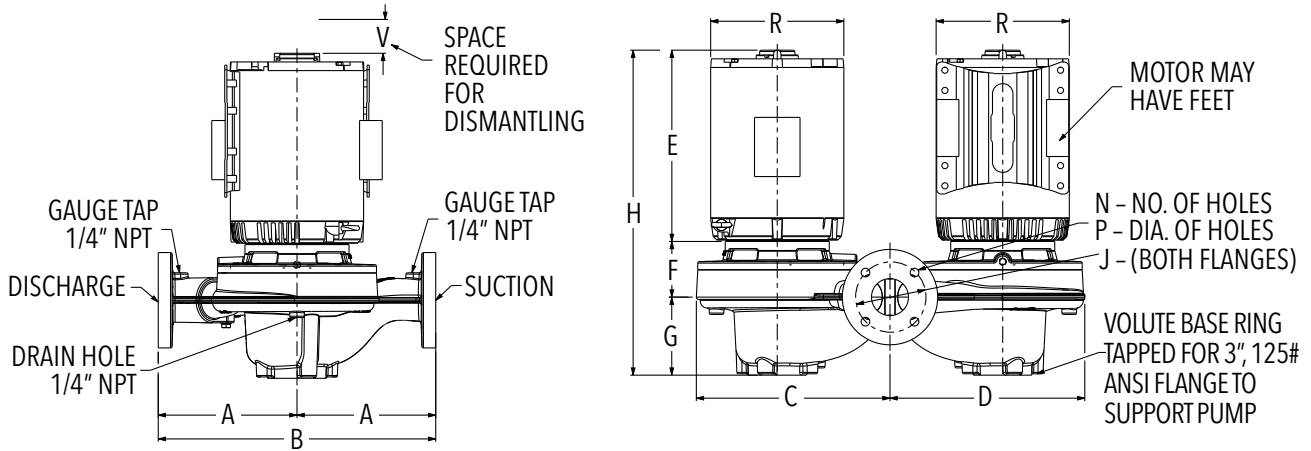




e-82 with Flange Support DIMENSIONS - inches (mm)								
MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
213JM	34.78 (883)	38.28 (972)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	34.50 (876)	38.38 (975)
215JM	34.78 (883)	38.28 (972)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	34.50 (876)	38.38 (975)
254JM	34.78 (883)	38.28 (972)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	40.25 (1022)	43.25 (1099)
256JM	34.78 (883)	38.28 (972)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	40.25 (1022)	43.25 (1099)
284JM	34.78 (883)	38.28 (972)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	41.26 (1048)	44.26 (1124)

Dimensions are subject to change. Not to be used for construction purposes unless certified.  
 NOTE: For Single phase Motors add 1" to dimensions E & H.  
 \*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

**e-82 6x6x11 (213JM - 324JM)**



**e-82-F (Standard Configuration) DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
213JM	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	19.25 (489)	4.19 (106)	9.25 (235)	32.69 (830)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.94 (151)
215JM	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	19.25 (489)	4.19 (106)	9.25 (235)	32.69 (830)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.94 (151)
254JM	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	24.13 (613)	4.98 (126)	9.25 (235)	38.36 (974)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.94 (151)
256JM	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	24.13 (613)	4.98 (126)	9.25 (235)	38.36 (974)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.94 (151)
284JM	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	25.13 (638)	4.98 (126)	9.25 (235)	39.36 (1000)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.94 (151)
286JM	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	25.13 (638)	4.98 (126)	9.25 (235)	39.36 (1000)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.94 (151)
324JM	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	26.00 (660)	4.98 (126)	9.25 (235)	40.23 (1022)	9.50 (241)	8	0.88 (22)	15.56 (395)	4.63 (118)	5.94 (151)

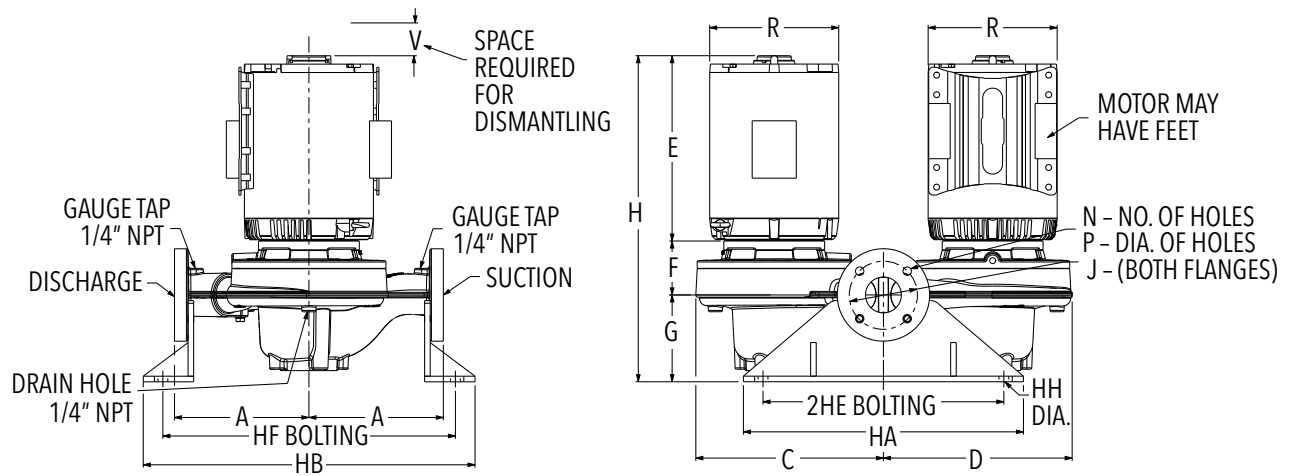
**e-82-S (Optional Configuration) DIMENSIONS - inches (mm)**

MOTOR FRAME	A	B	C	D	E (max)	F	G	H (max)	125# ANSI			R	S (Max)*	V (min)
									J	N	P			
213JP	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	19.25 (489)	7.56 (192)	9.25 (235)	36.06 (916)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.94 (151)
215JP	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	19.25 (489)	7.19 (183)	9.25 (235)	35.69 (907)	9.50 (241)	8	0.88 (22)	10.63 (270)	0.00	5.94 (151)
254JP	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	24.13 (613)	7.81 (198)	9.25 (235)	41.19 (1046)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.94 (151)
256JP	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	24.13 (613)	7.81 (198)	9.25 (235)	41.19 (1046)	9.50 (241)	8	0.88 (22)	12.31 (313)	0.00	5.94 (151)
284JP	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	25.13 (638)	7.81 (198)	9.25 (235)	42.19 (1072)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.94 (151)
286JP	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	25.13 (638)	7.81 (198)	9.25 (235)	42.19 (1072)	9.50 (241)	8	0.88 (22)	14.13 (359)	4.63 (118)	5.94 (151)
324JP	16.00 (406)	32.00 (813)	21.29 (541)	22.83 (580)	26.00 (660)	7.81 (198)	9.25 (235)	43.06 (1094)	9.50 (241)	8	0.88 (22)	15.56 (395)	4.63 (118)	5.94 (151)

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

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H



**e-82 with Flange Support  
DIMENSIONS - inches (mm)**

MOTOR FRAME	HF BOLTING	HB	2HE BOLTING	HA	HH DIA	G	H (e-82-F)	H (e-82-S)
213JM	33.38 (848)	36.88 (937)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	33.31 (846)	36.69 (932)
215JM	33.38 (848)	36.88 (937)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	33.31 (846)	36.31 (922)
254JM	33.38 (848)	36.88 (937)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	38.98 (990)	41.81 (1062)
256JM	33.38 (848)	36.88 (937)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	38.98 (990)	41.81 (1062)
284JM	33.38 (848)	36.88 (937)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	39.99 (1016)	42.82 (1088)
286JM	33.38 (848)	36.88 (937)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	39.98 (1016)	42.81 (1087)
324JM	33.38 (848)	36.88 (937)	22.50 (572)	26.00 (660)	1.00 (25)	9.88 (251)	40.86 (1038)	43.69 (1110)

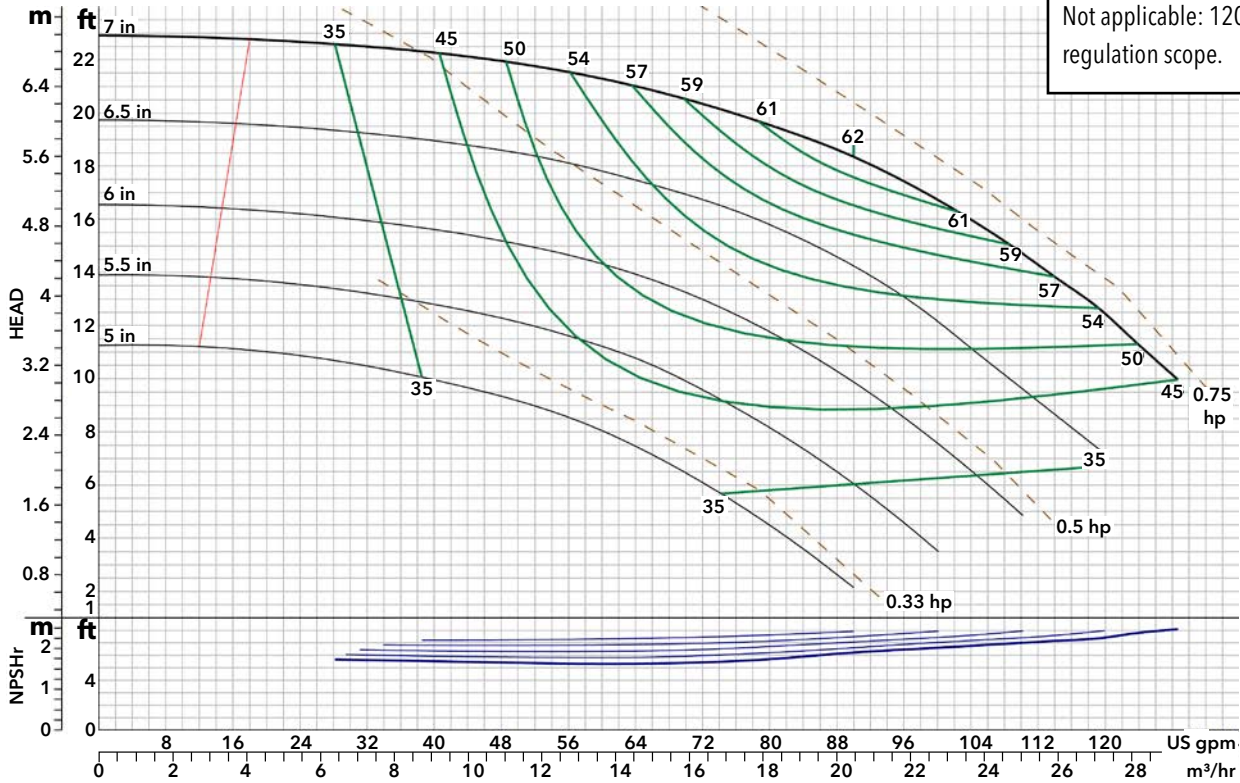
Dimensions are subject to change. Not to be used for construction purposes unless certified.

NOTE: For Single phase Motors add 1" to dimensions E & H.

\*Dimensions are for ODP Motors. For TEFC add S dimension to dimensions E & H

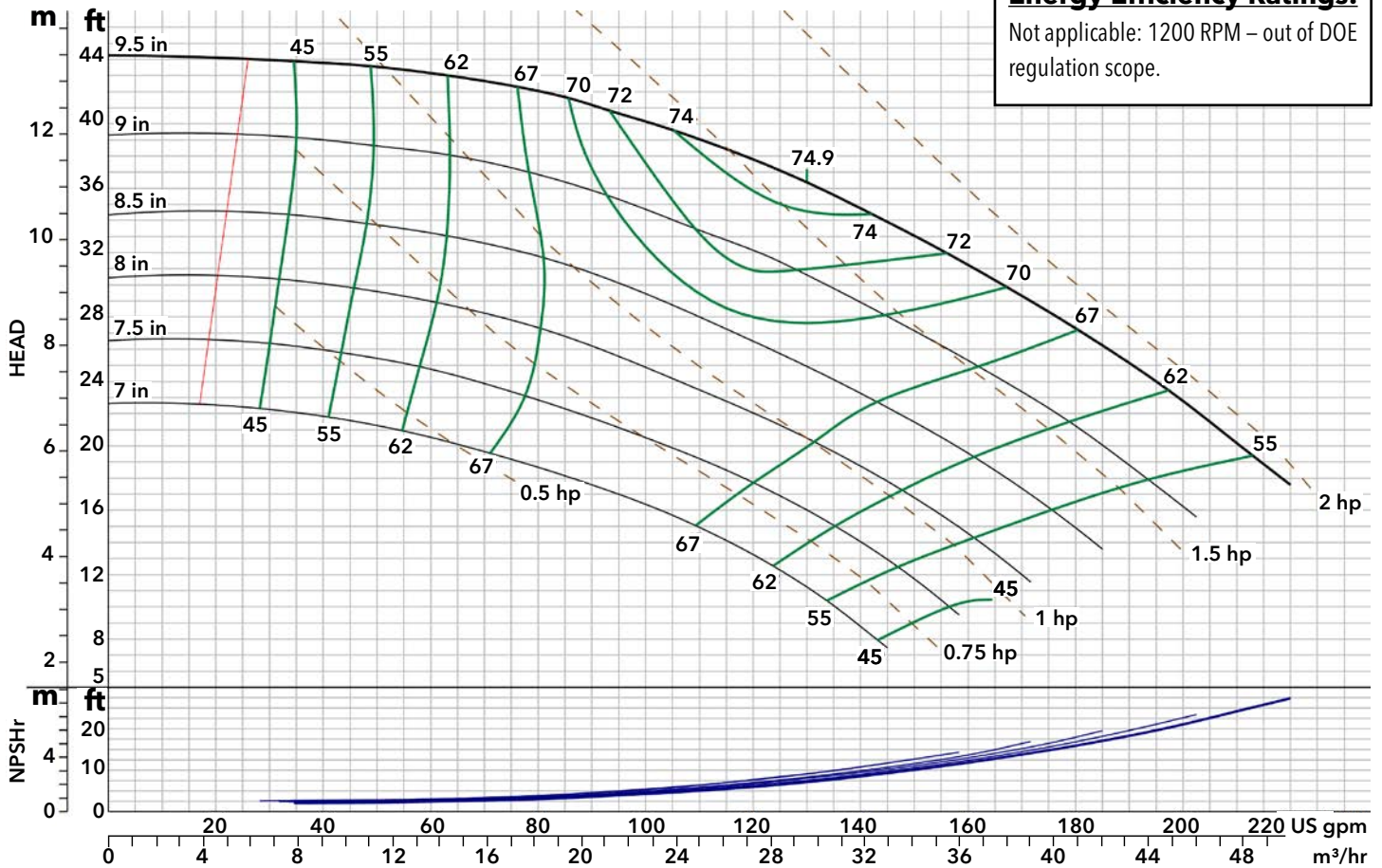
# 6 Pole Performance Data

**e-82 2.5x2.5x7 Standby Operation (1150 RPM)**



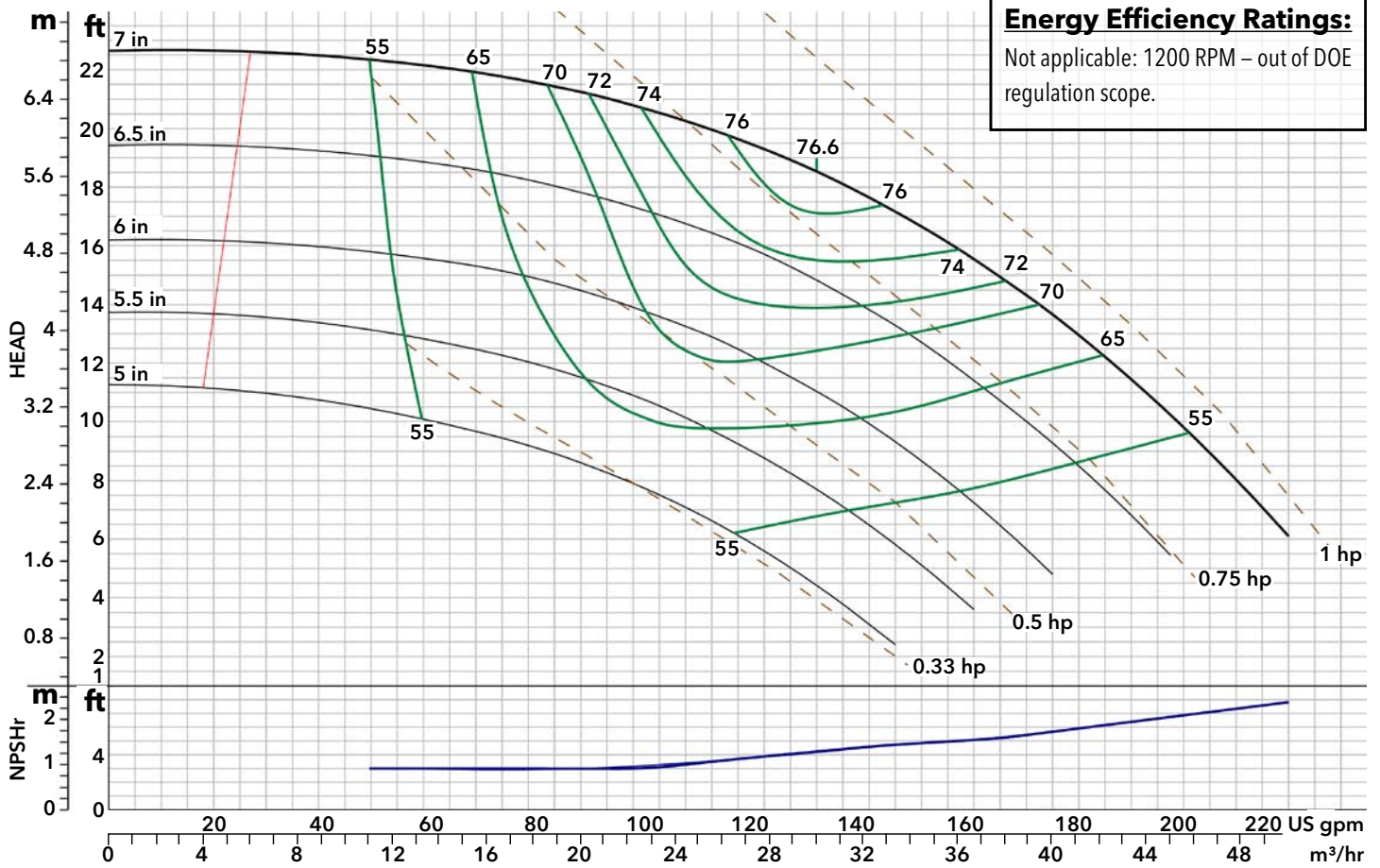
**Energy Efficiency Ratings:**  
 Not applicable: 1200 RPM – out of DOE regulation scope.

**e-82 2.5x2.5x9.5 Standby Operation (1170 RPM)**

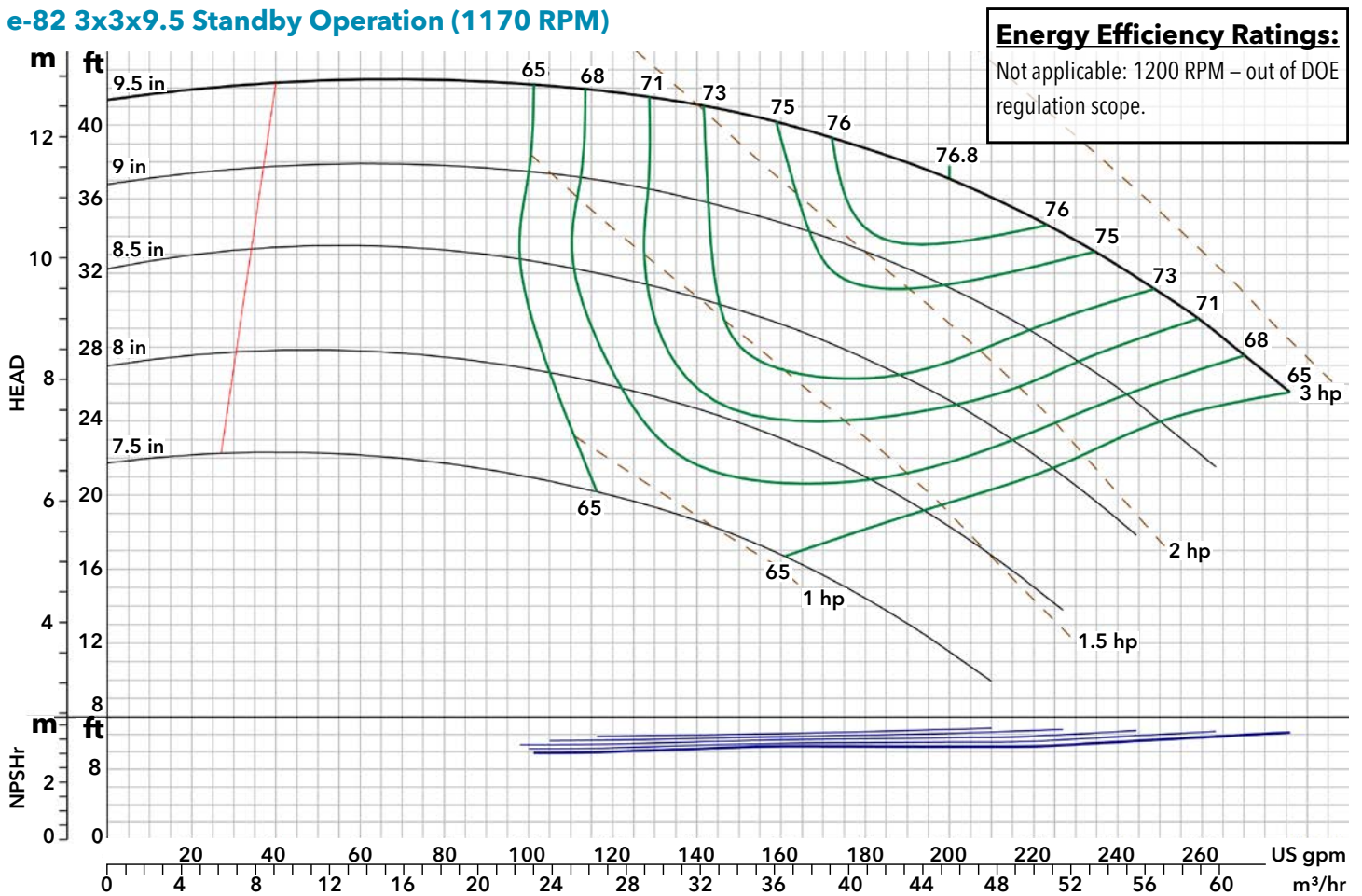


**Energy Efficiency Ratings:**  
 Not applicable: 1200 RPM – out of DOE regulation scope.

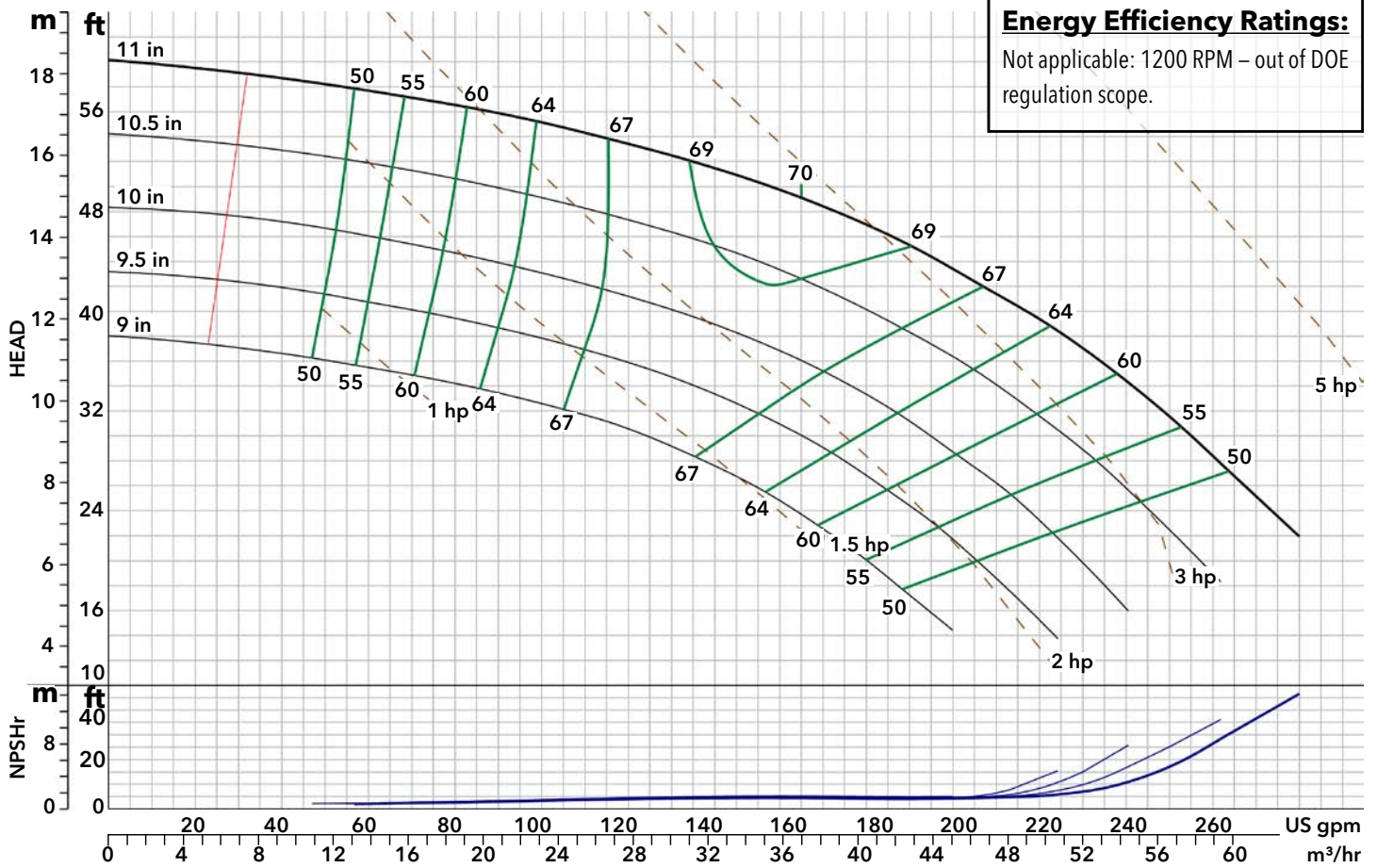
### e-82 3x3x7 Standby Operation (1180 RPM)



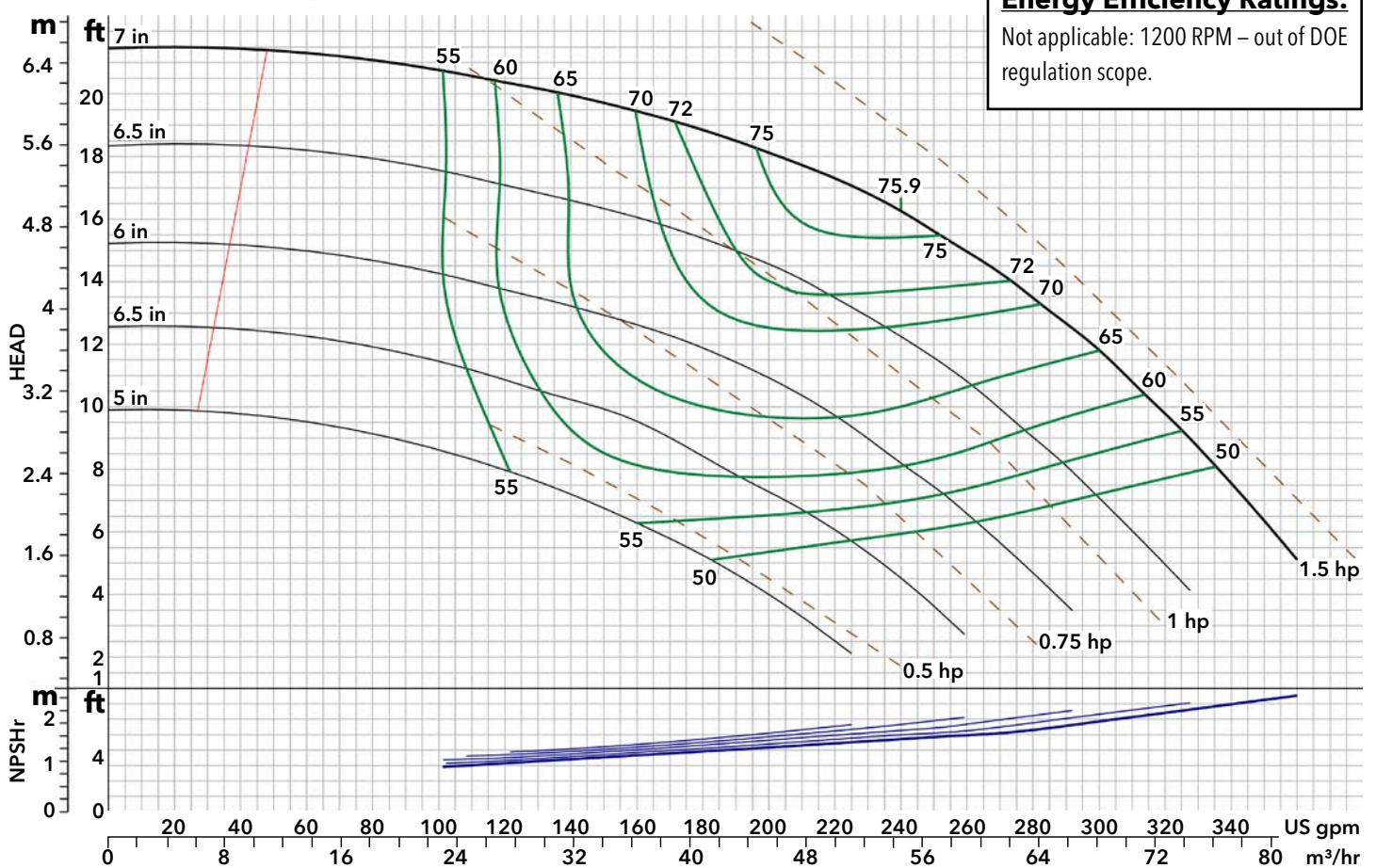
### e-82 3x3x9.5 Standby Operation (1170 RPM)



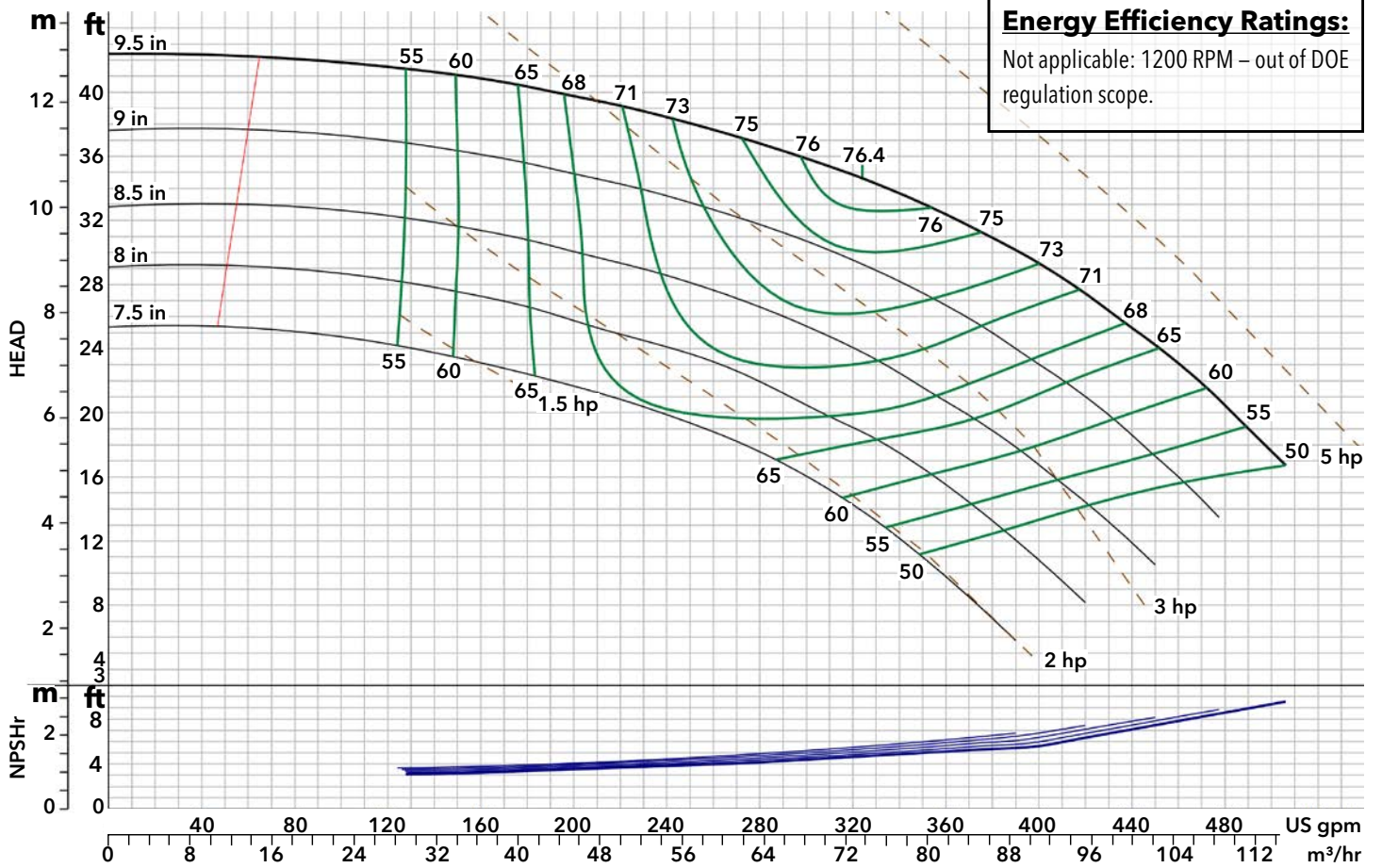
### e-82 3x3x11 Standby Operation (1170 RPM)



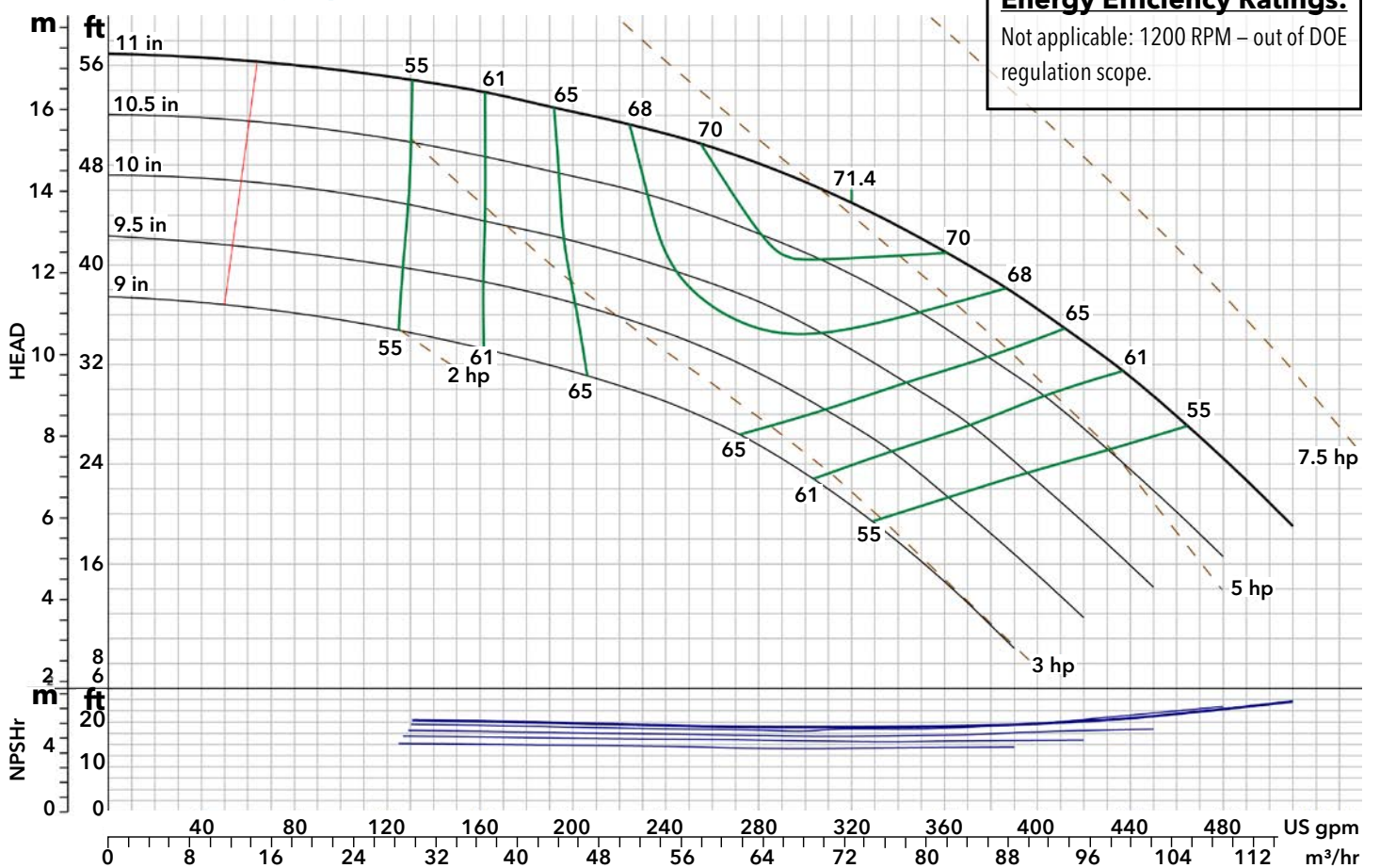
### e-82 4x4x7 Standby Operation (1150 RPM)



### e-82 4x4x9.5 Standby Operation (1170 RPM)



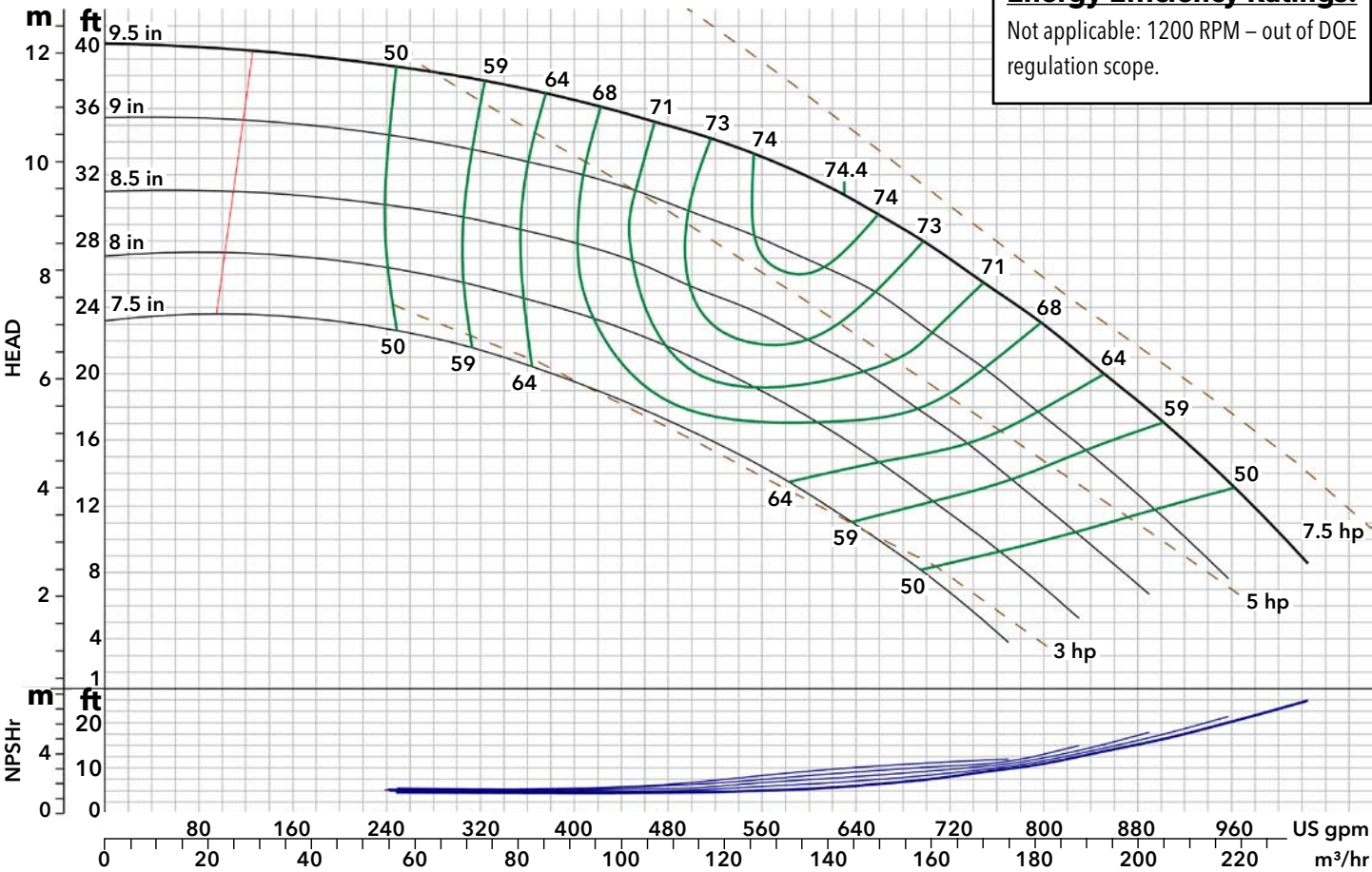
### e-82 4x4x11 Standby Operation (1170 RPM)



e-82 6x6x7 Standby Operation

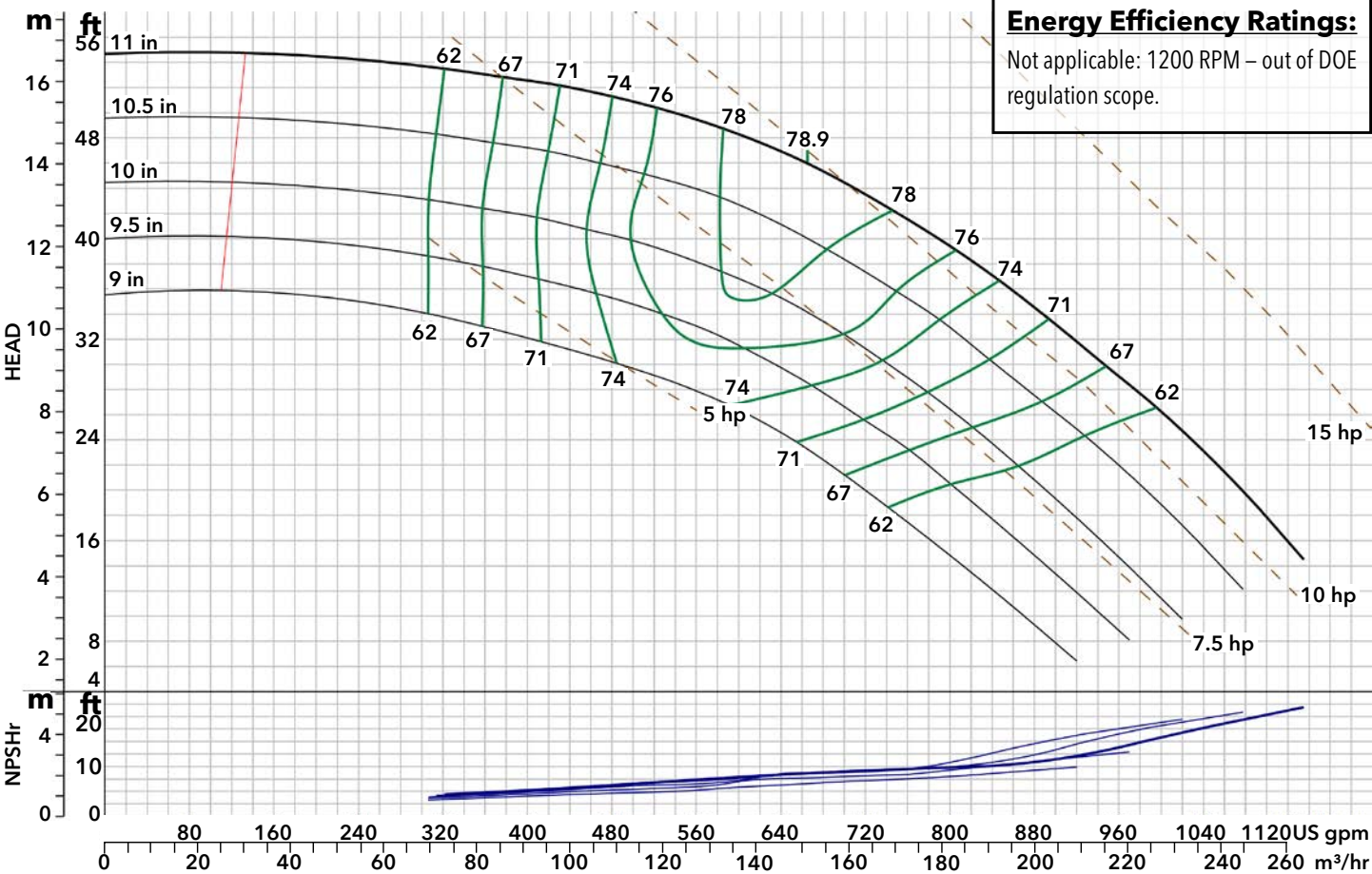
Data coming soon

e-82 6x6x9.5 Standby Operation (1170 RPM)



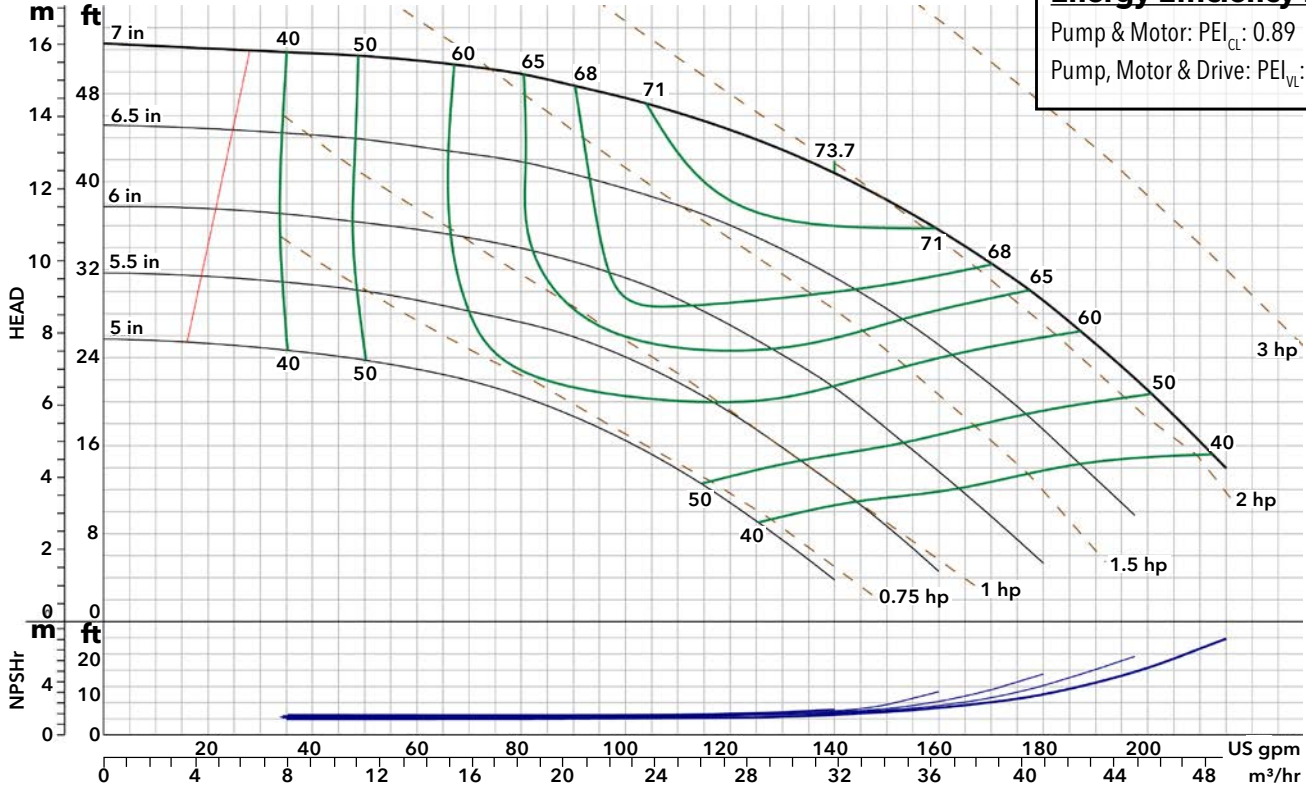


e-82 6x6x11 Standby Operation (1170 RPM)

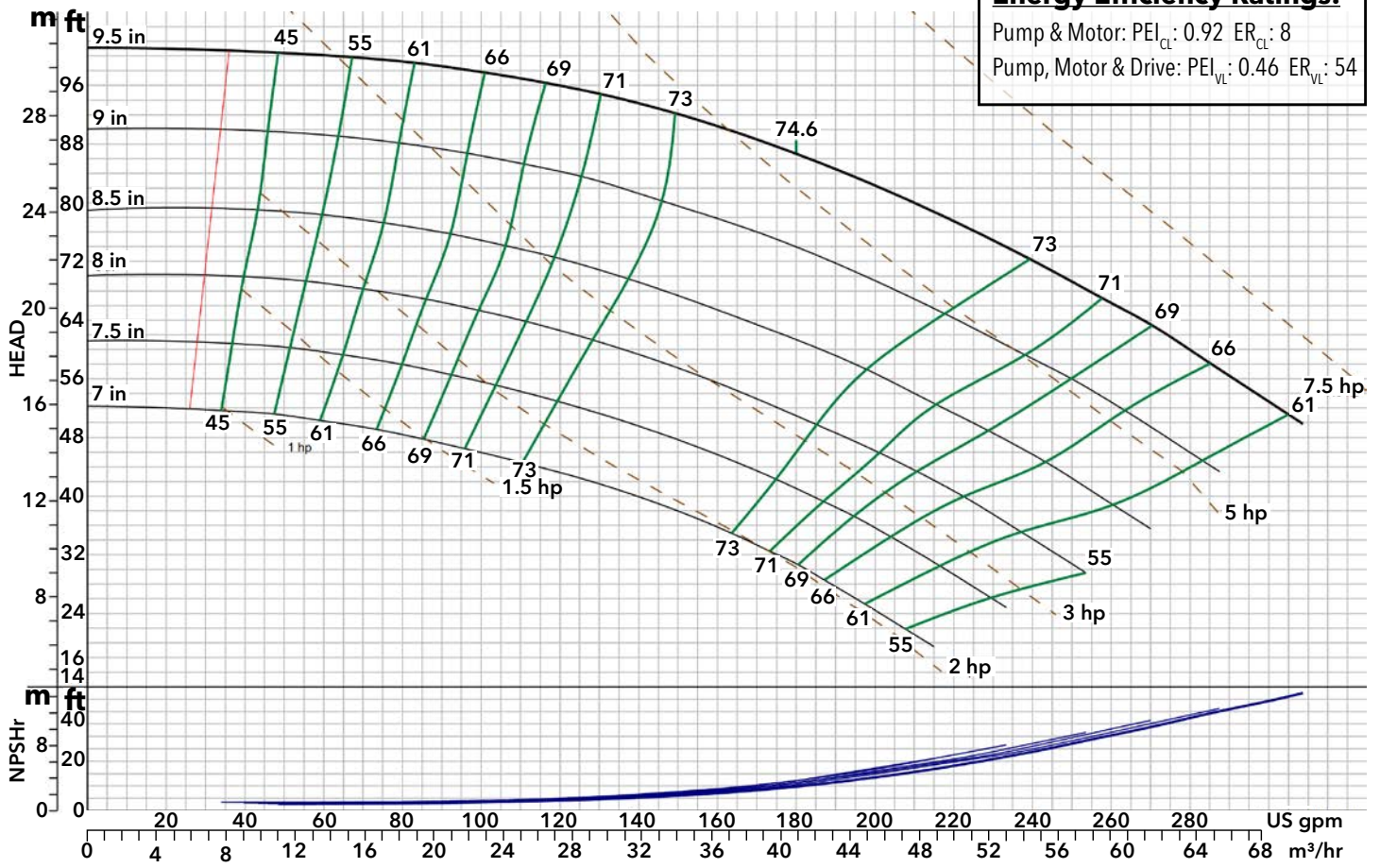


# 4 Pole Performance Data

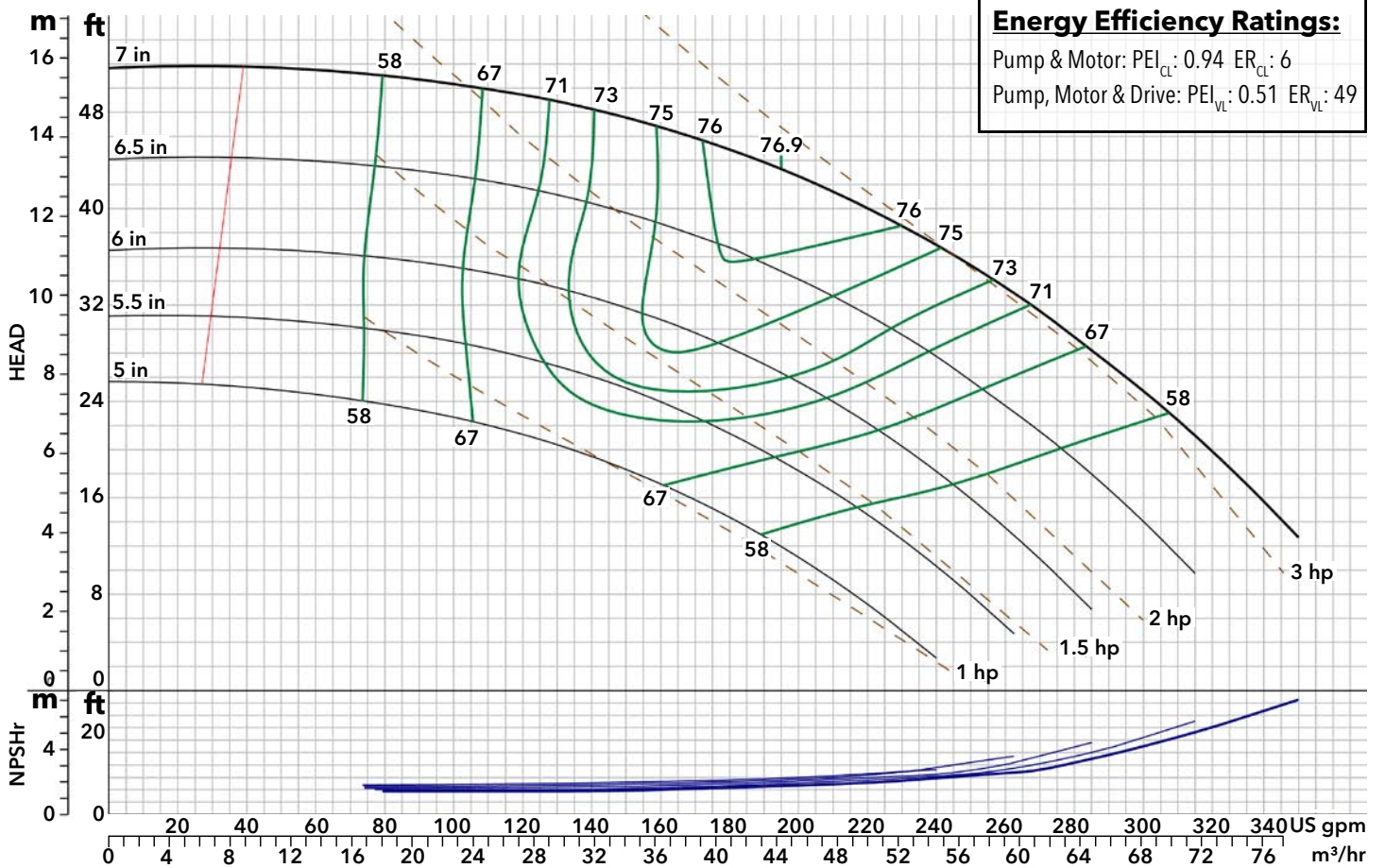
## e-82 2.5x2.5x7 Standby Operation (1770 RPM)



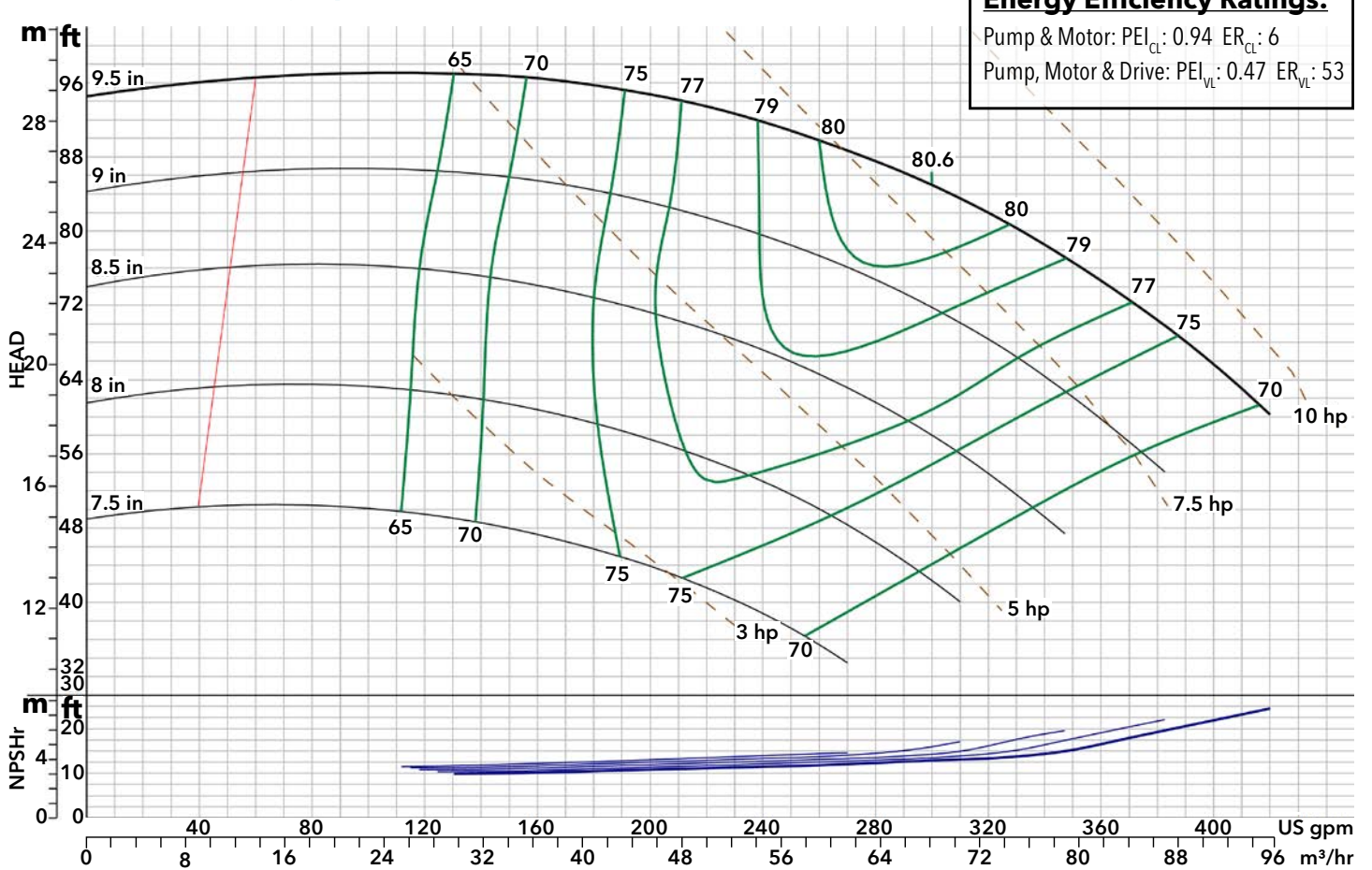
## e-82 2.5x2.5x9.5 Standby Operation (1780 RPM)



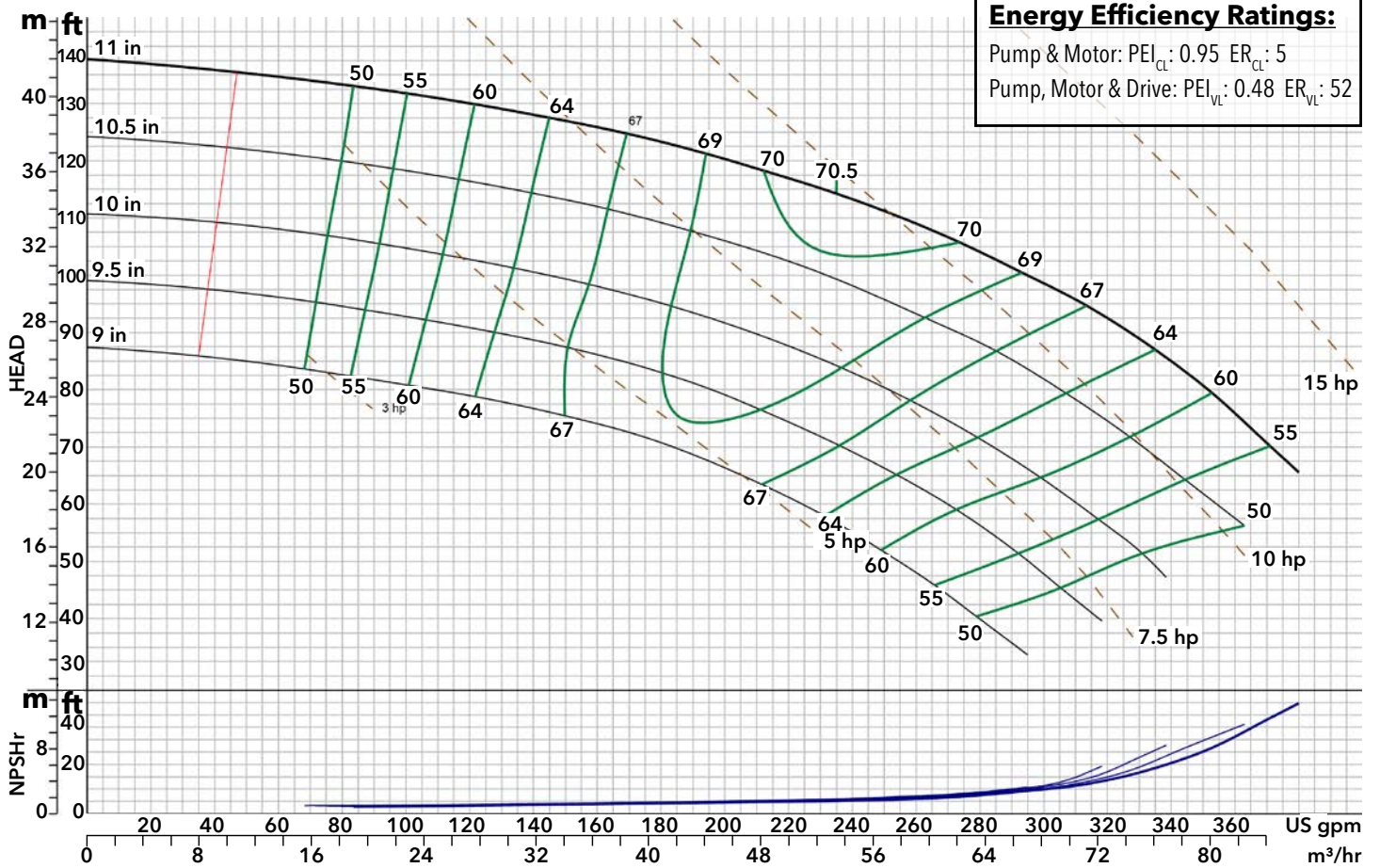
### e-82 3x3x7 Standby Operation (1780 RPM)



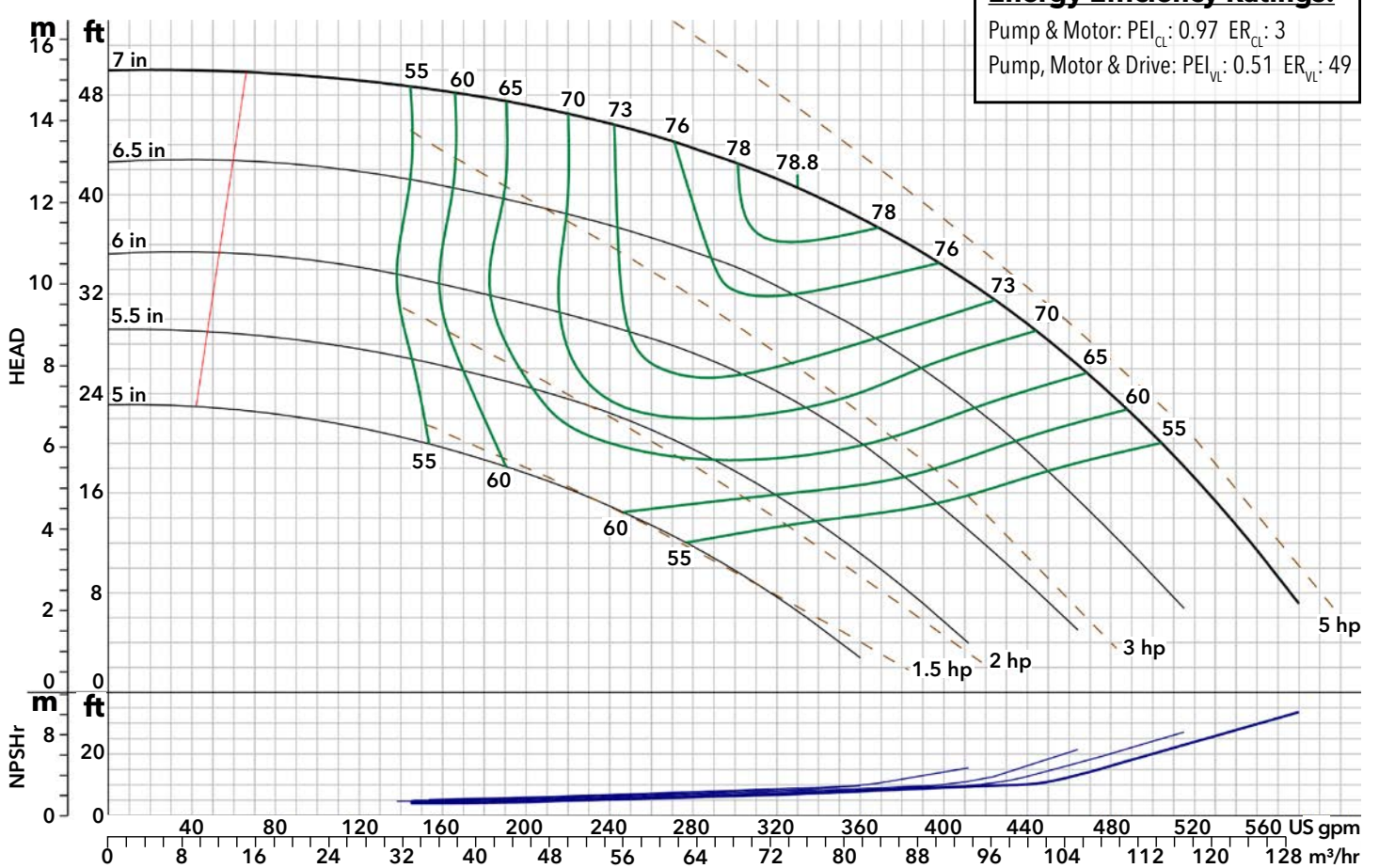
### e-82 3x3x9.5 Standby Operation (1770 RPM)



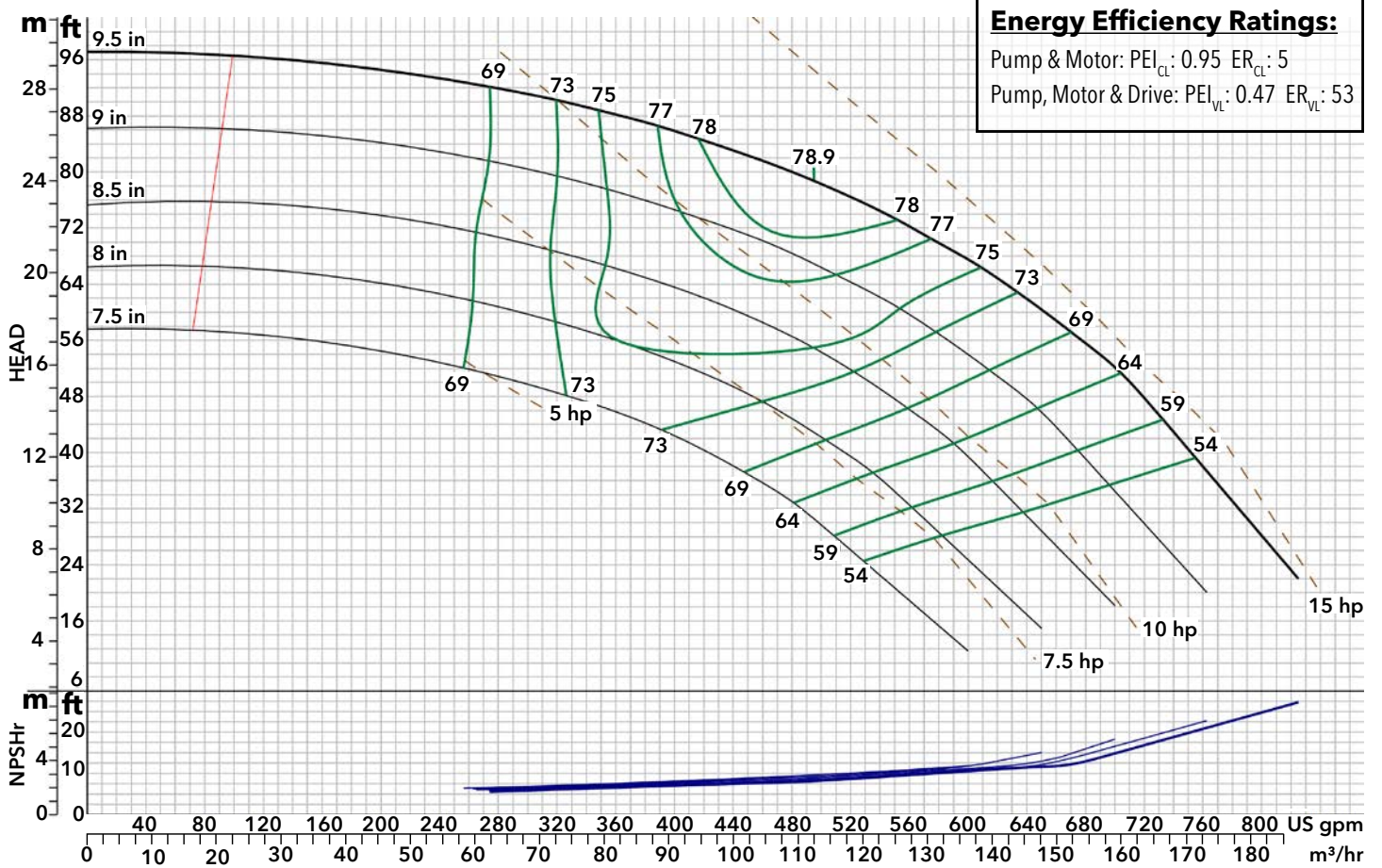
### e-82 3x3x11 Standby Operation (1770 RPM)



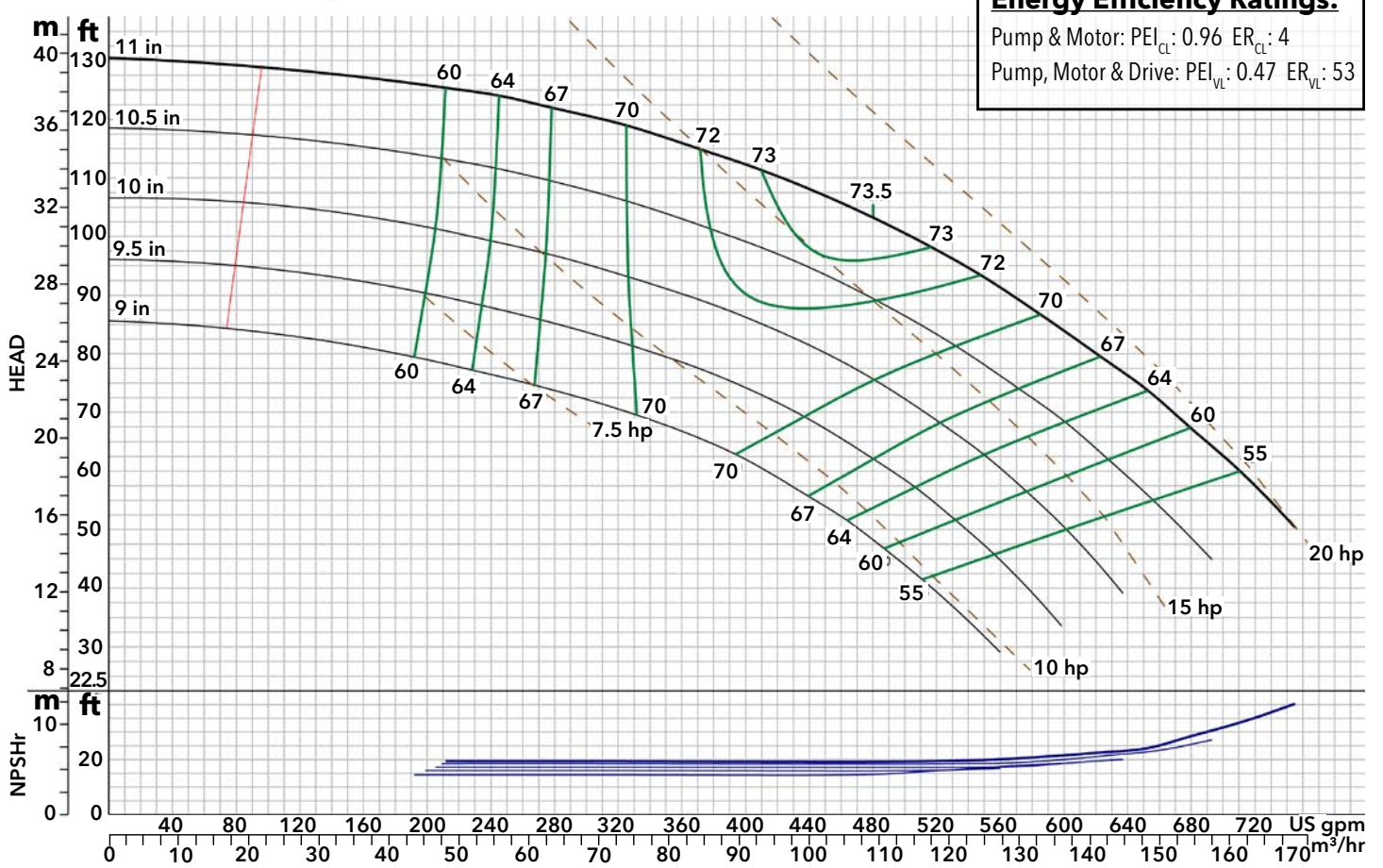
### e-82 4x4x7 Standby Operation (1750 RPM)



### e-82 4x4x9.5 Standby Operation (1770 RPM)

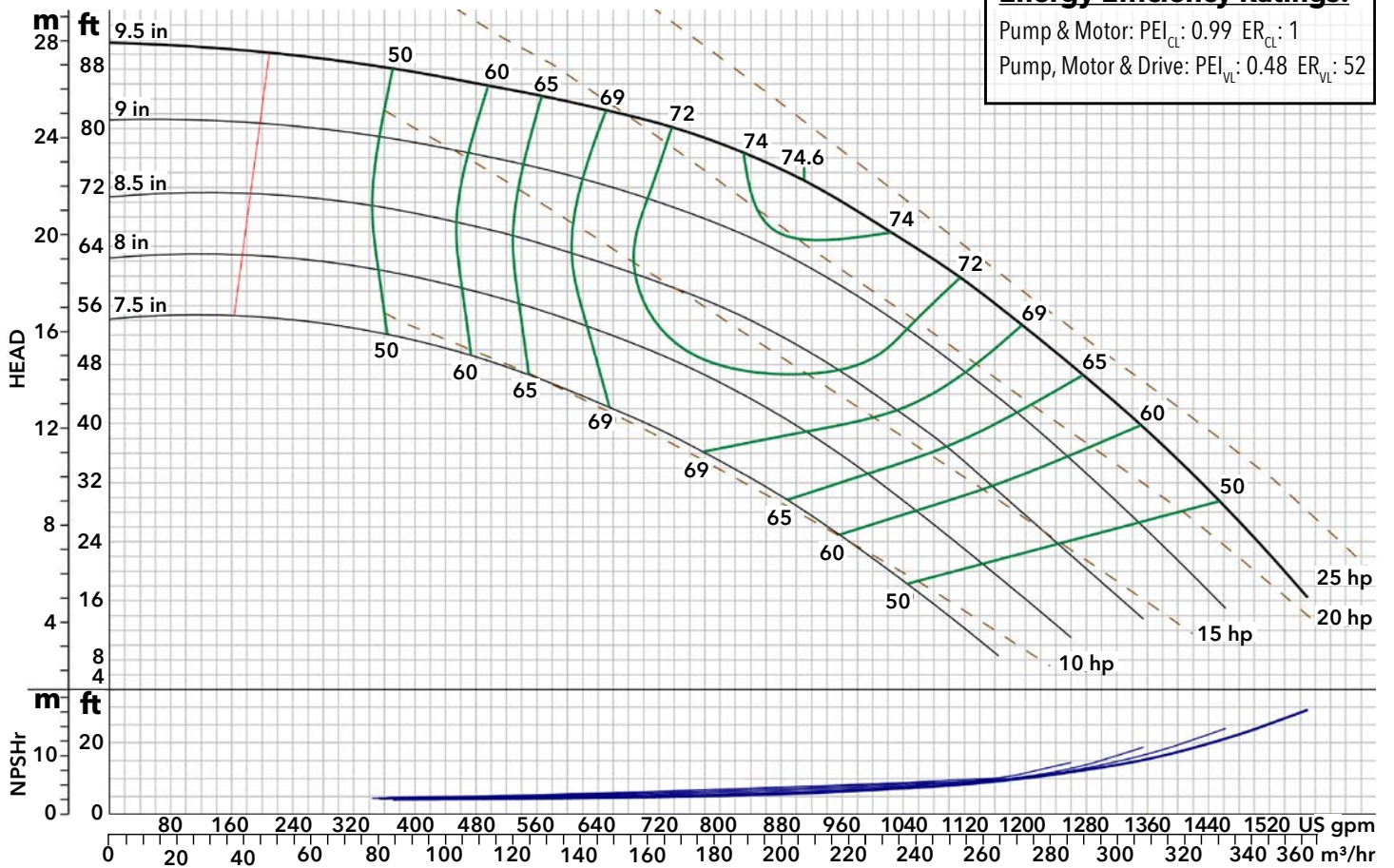


### e-82 4x4x11 Standby Operation (1770 RPM)

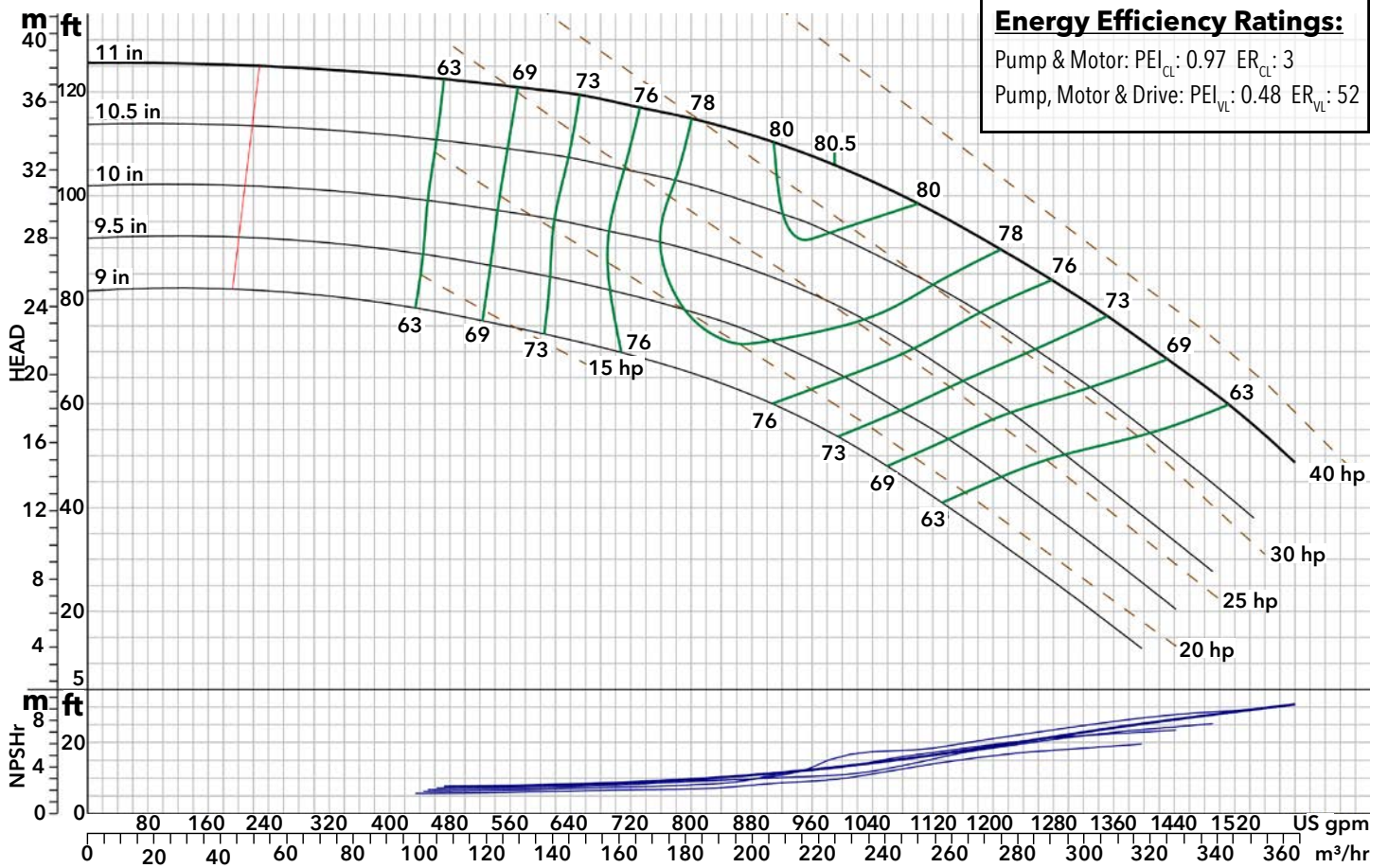


Data coming soon

**e-82 6x6x9.5 Standby Operation (1770 RPM)**

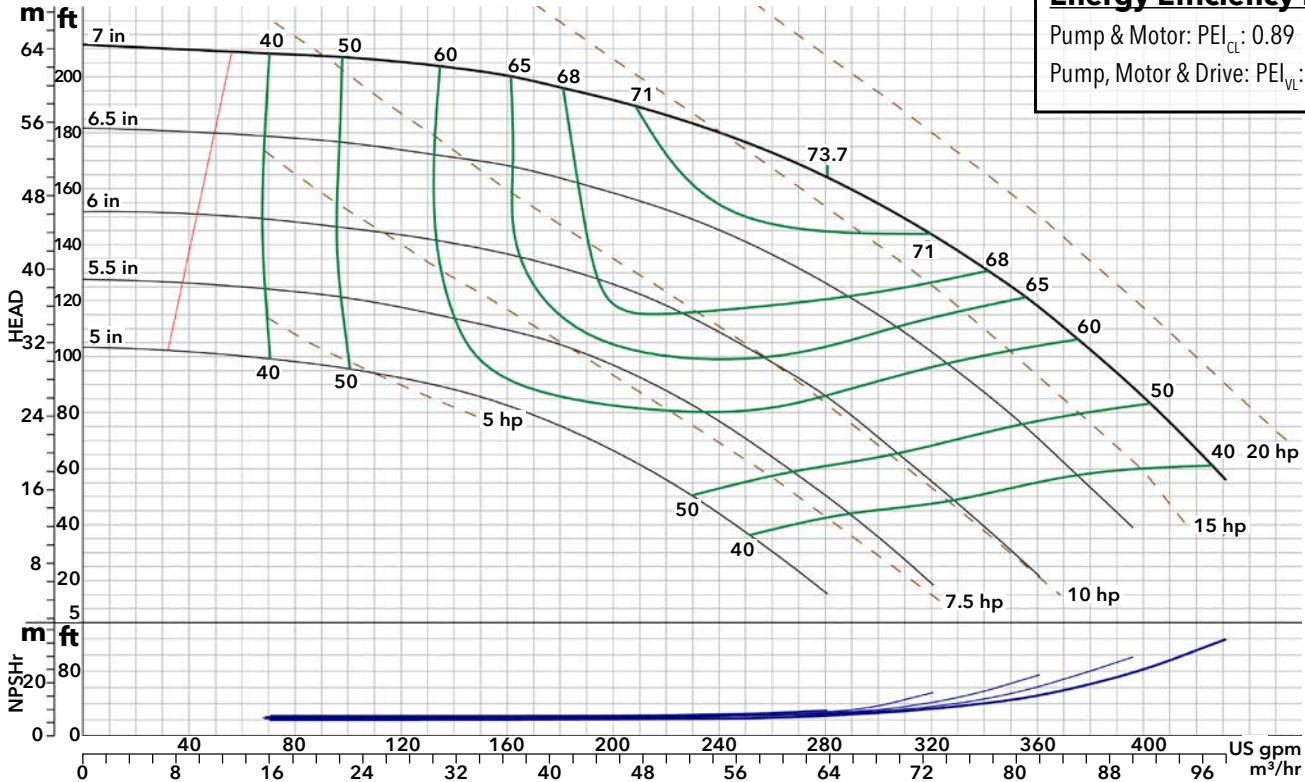


e-82 6x6x11 Standby Operation (1770 RPM)

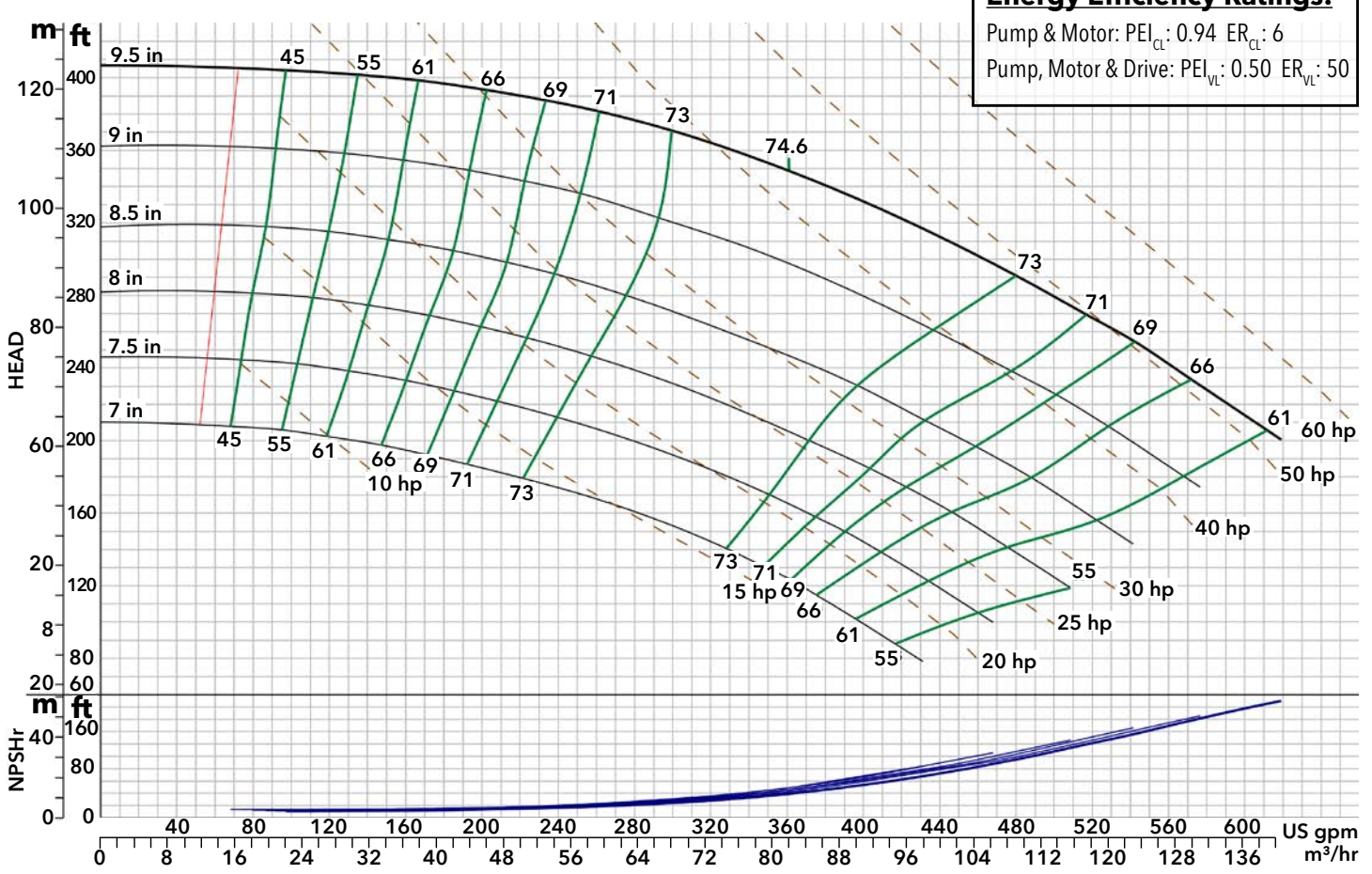


# 2 Pole Performance Data

## e-82 2.5x2.5x7 Standby Operation (3550 RPM)

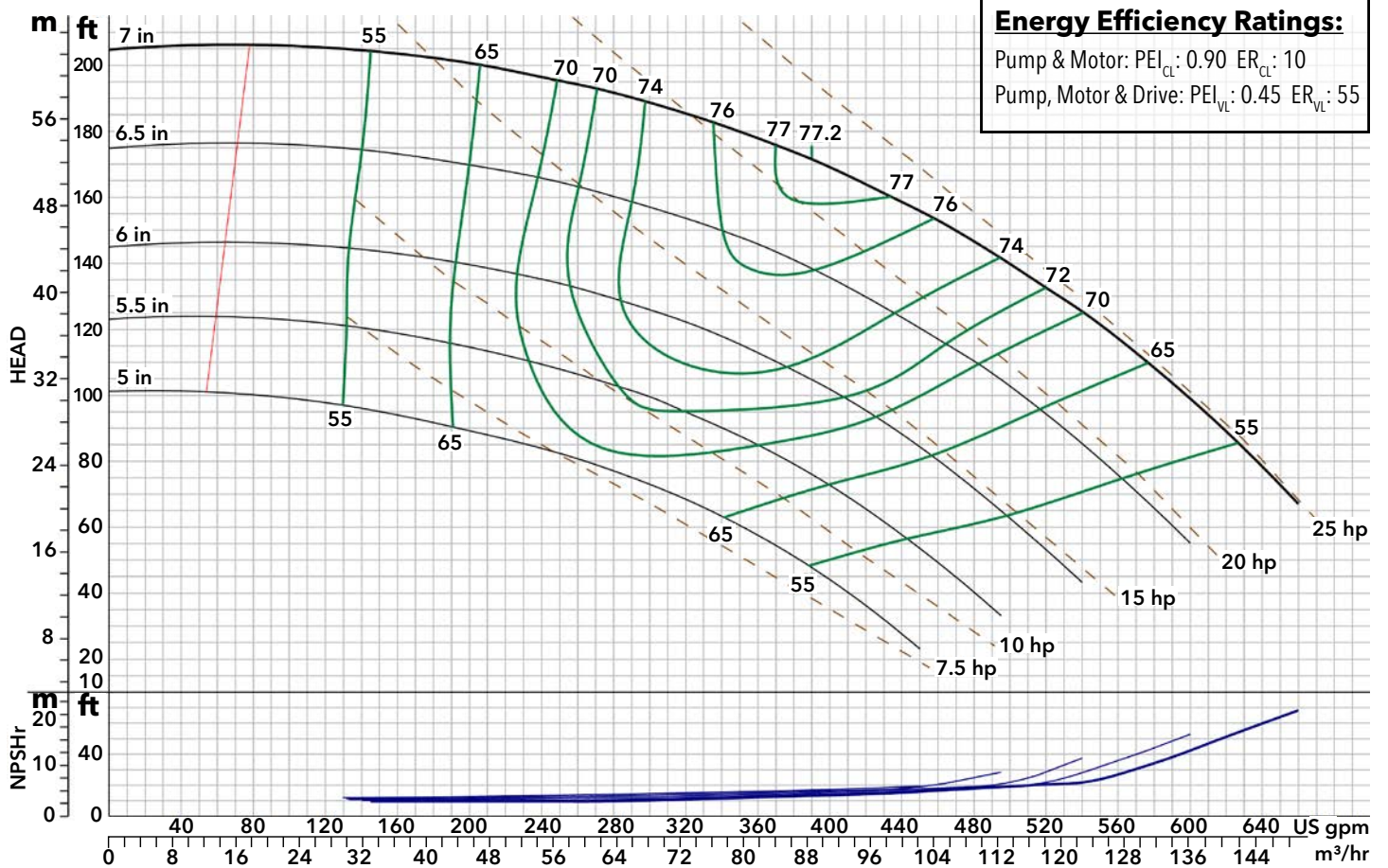


## e-82 2.5x2.5x9.5 Standby Operation (3550 RPM)

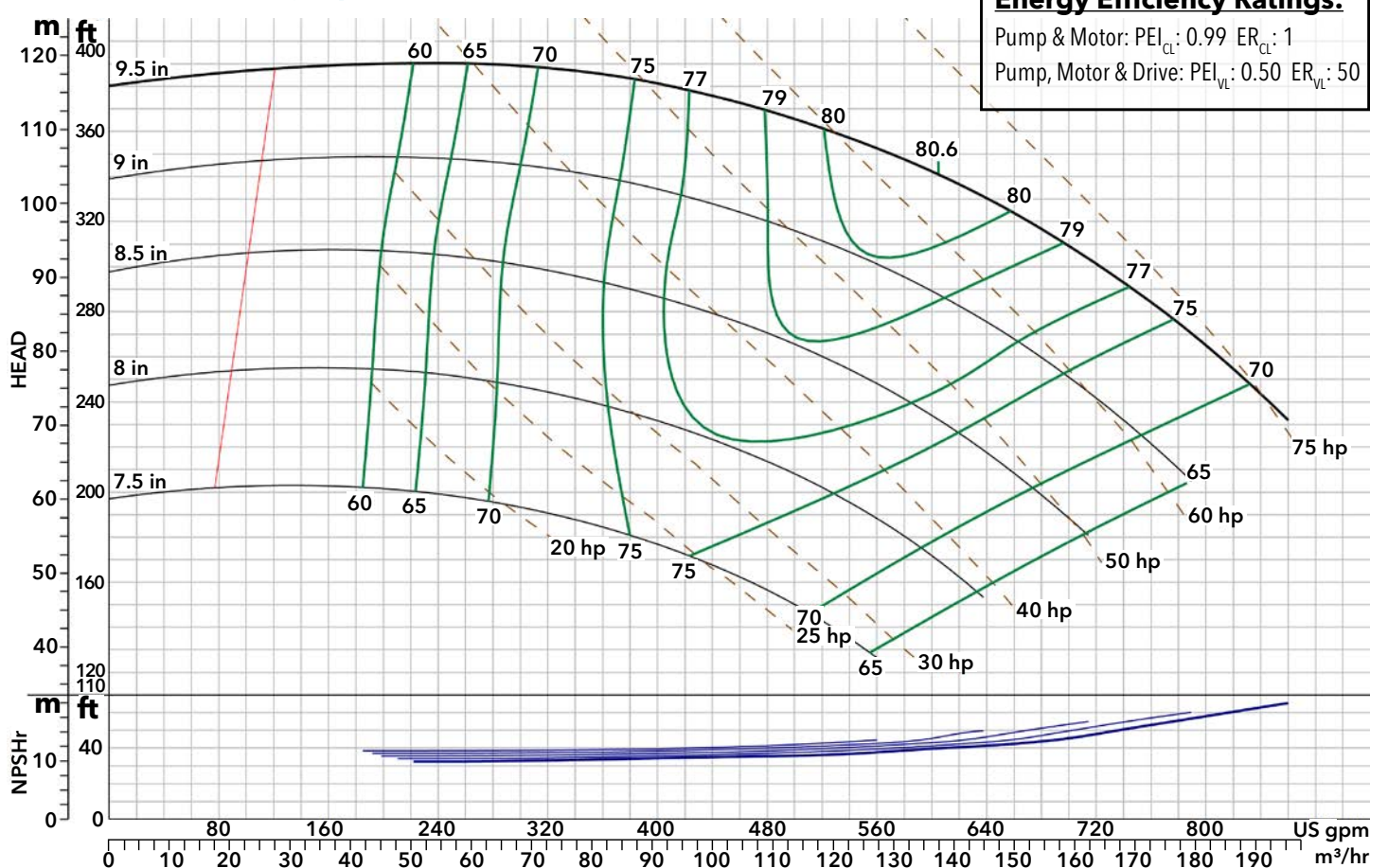




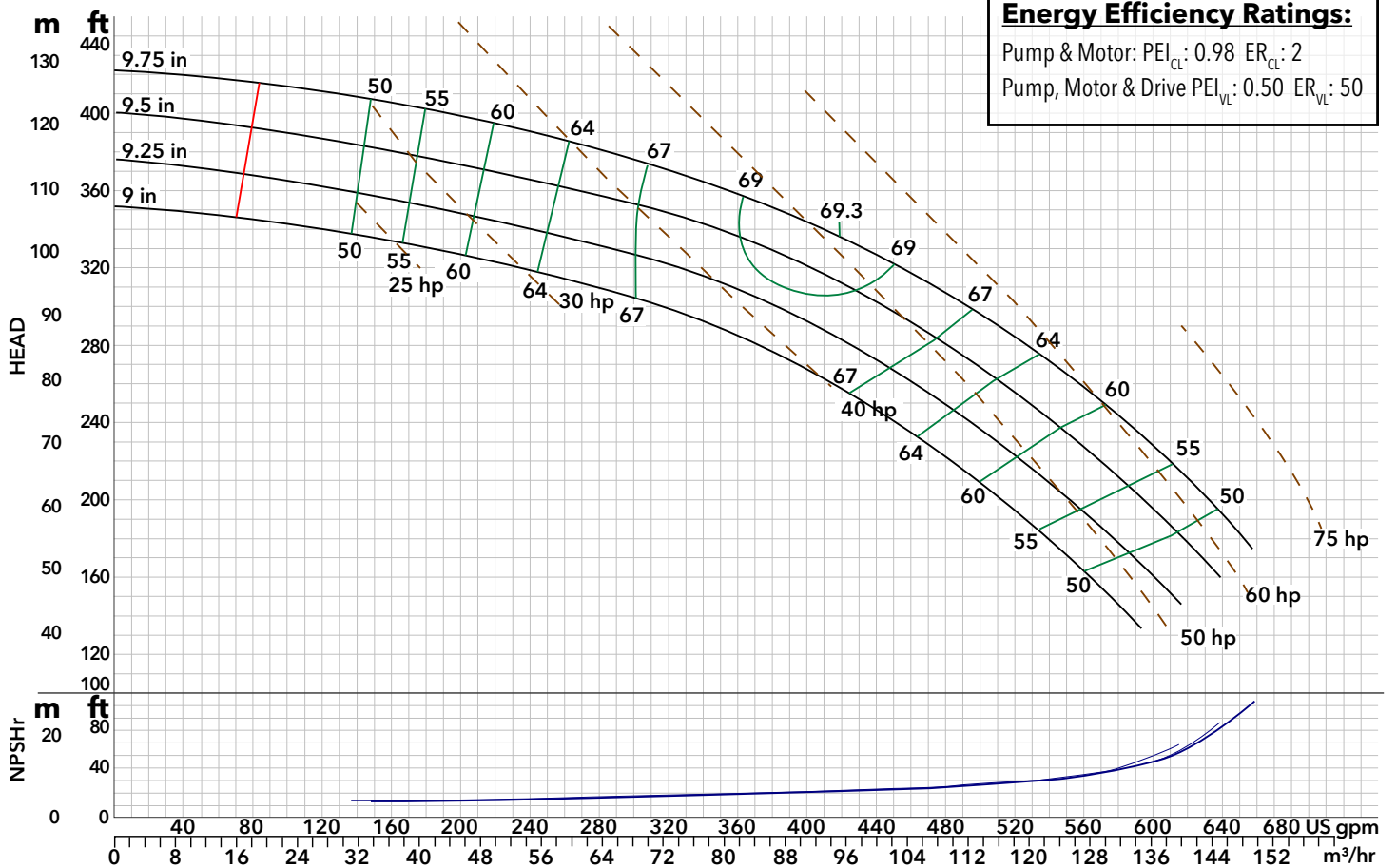
### e-82 3x3x7 Standby Operation (3550 RPM)



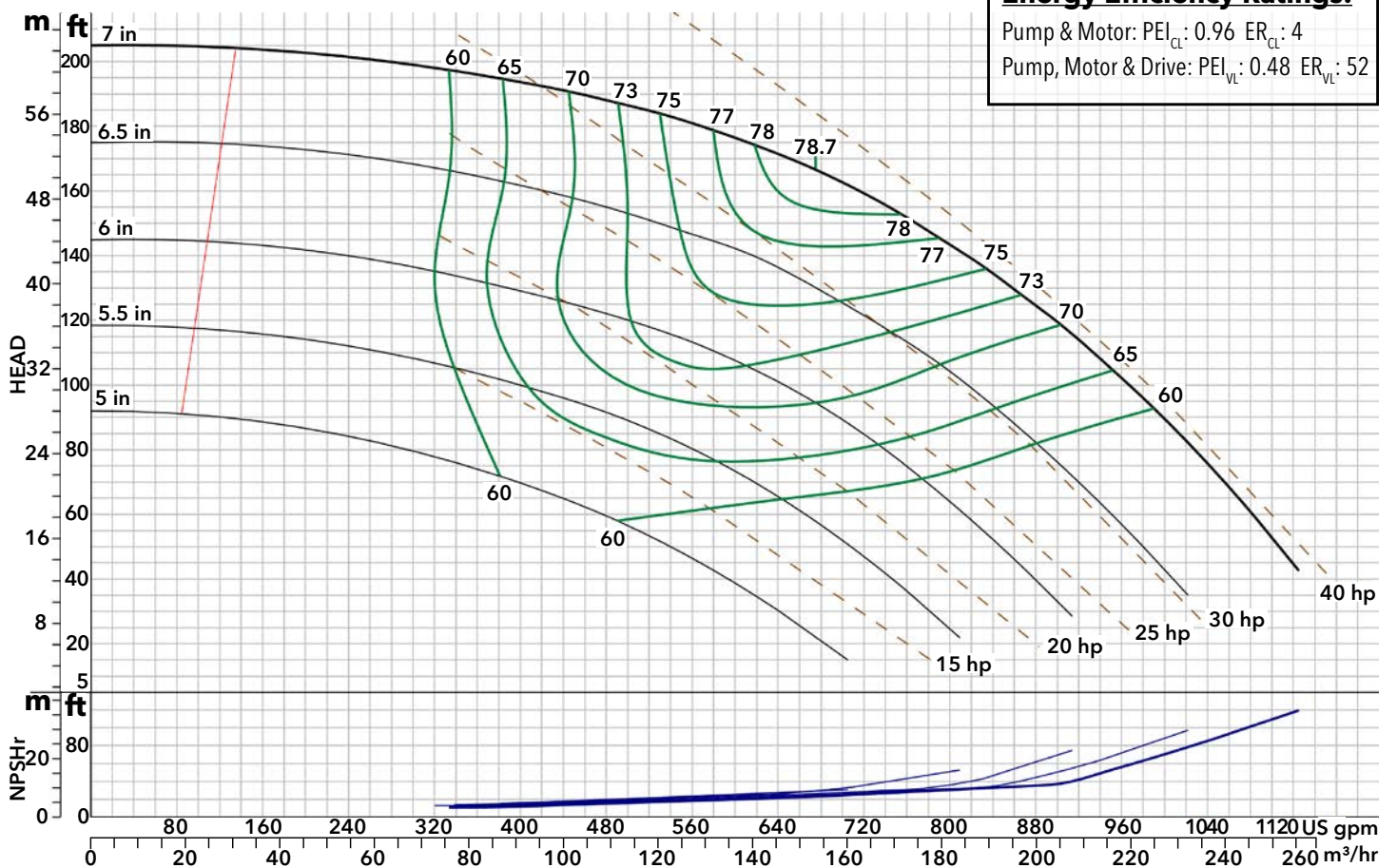
### e-82 3x3x9.5 Standby Operation (3550 RPM)



### e-82 3x3x11 Standby Operation (3550 RPM)



### e-82 4x4x7 Standby Operation (3550 RPM)



**Data coming soon**

# Useful Pump Formulas

<b>Pressure (PSI) =</b>	$\frac{\text{Head (Feet)} \times \text{Specific Gravity}}{2.31}$
<b>Head (Feet) =</b>	$\frac{\text{Pressure (PSI)} \times 2.31}{\text{Specific Gravity}}$
<b>Vacuum (in. of Mercury) =</b>	Dynamic Suction Lift (Feet) x .883 x Specific Gravity
<b>Horsepower (Brake) =</b>	$\frac{\text{GPM} \times \text{Head (Feet)} \times \text{Specific Gravity}}{3960 \times \text{Pump Efficiency}}$
<b>Horsepower (Water) =</b>	$\frac{\text{GPM} \times \text{Head (Feet)} \times \text{Specific Gravity}}{3960}$
<b>Efficiency (Pump) =</b>	$\frac{\text{Horsepower (Water)}}{\text{Horsepower (Brake)}} \times 100\%$
<b>NPSH (Available) =</b>	Positive Factors - Negative Factors

## Affinity Laws: Effect of varying speed or impeller diameter.

	<b>GPM Capacity</b>	<b>Head (Feet)</b>	<b>BHP</b>
<b>Impeller Diameter Change</b>	$Q_2 = \frac{D_2}{D_1} \times Q_1$	$H_2 = \left(\frac{D_2}{D_1}\right)^2 \times H_1$	$P_2 = \left(\frac{D_2}{D_1}\right)^3 \times P_1$
<b>Speed Change</b>	$Q_2 = \frac{\text{RPM}_2}{\text{RPM}_1} \times Q_1$	$H_2 = \left(\frac{\text{RPM}_2}{\text{RPM}_1}\right)^2 \times H_1$	$P_2 = \left(\frac{\text{RPM}_2}{\text{RPM}_1}\right)^3 \times P_1$

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Where Q = GPM, H = Head, P = BHP, D = Impeller Diameter, RPM = Pump Speed



# Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

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