



SUBMERSIBLE PUMPS

STAINLESS STEEL SERIES

4", 6", 8" & 10"
60Hz
CATALOGUE



INDUSTRIAL



AGRICULTURE



FOUNTAIN



WATER SUPPLY



IRRIGATION
SYSTEM



About Opal Overseas

At OPAL Overseas, we use the latest technology to deliver consistently high quality products. With our innovative pumping solutions we are touching million hearts every day. We are the leading manufacturers and exporters of Submersible Pumps. Opal pumps present smart, sturdy and sustainable pumping solutions with over 20 years of unmatched experience and expertise for applications in a wide range of industries. Our Products are manufactured from very high quality stainless steel raw material that ensures high durability to the user.



We have installed modern machinery and equipment equipped with latest technological features and control system. As a promising submersible pump manufacturer, we use advanced technology to test the quality of our products. Our modern infrastructure has enabled us to manufacture energy efficient submersible pumps and motors.

Harnessing the power of knowledge, expertise and an excellent infrastructure setup has kept us at the pinnacle of success. We, at OPAL Overseas proudly boast of a manufacturing capability comparable to any world class facility around the globe. The whole operation including the control panel and CNC machines are monitored through a fully computerized setup. Our commitment to deliver nothing but the best doesn't stop just here, from time to time, we continuously upgrade our world-class facilities to keep ourselves at the forefront.



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Performance Curve And Technical Data

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4-inch Submersibles

Construction

Sectional drawing, PE pump 4" spline shaft (PE 5 - PE 25)

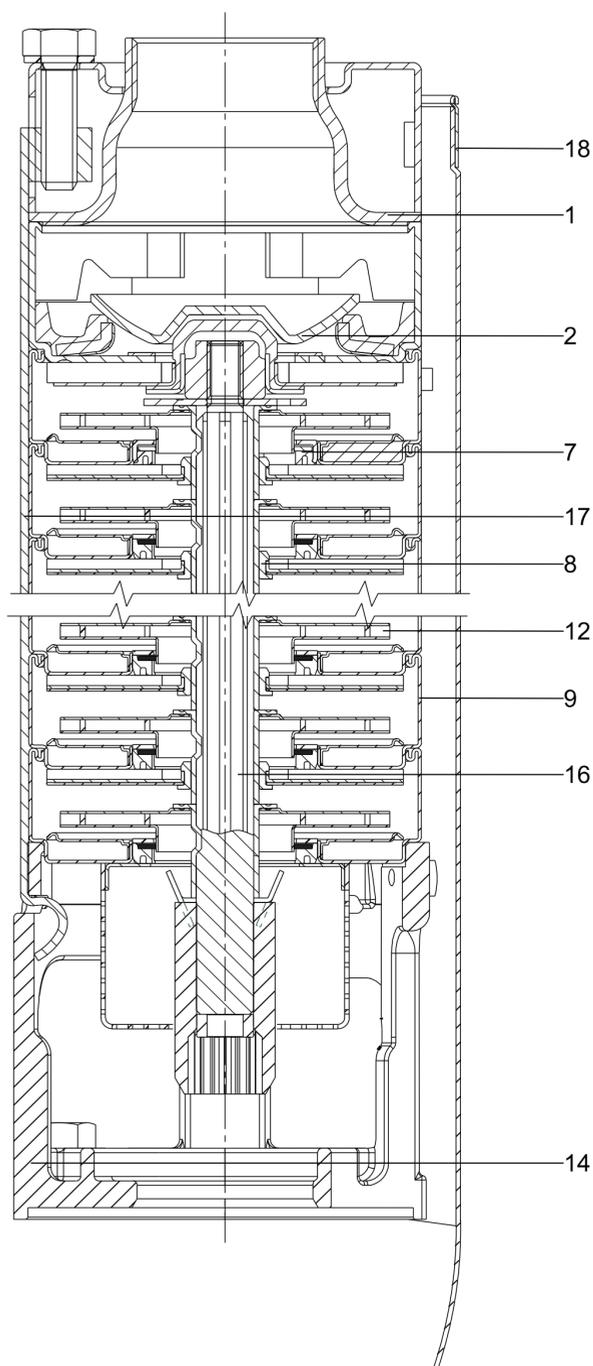


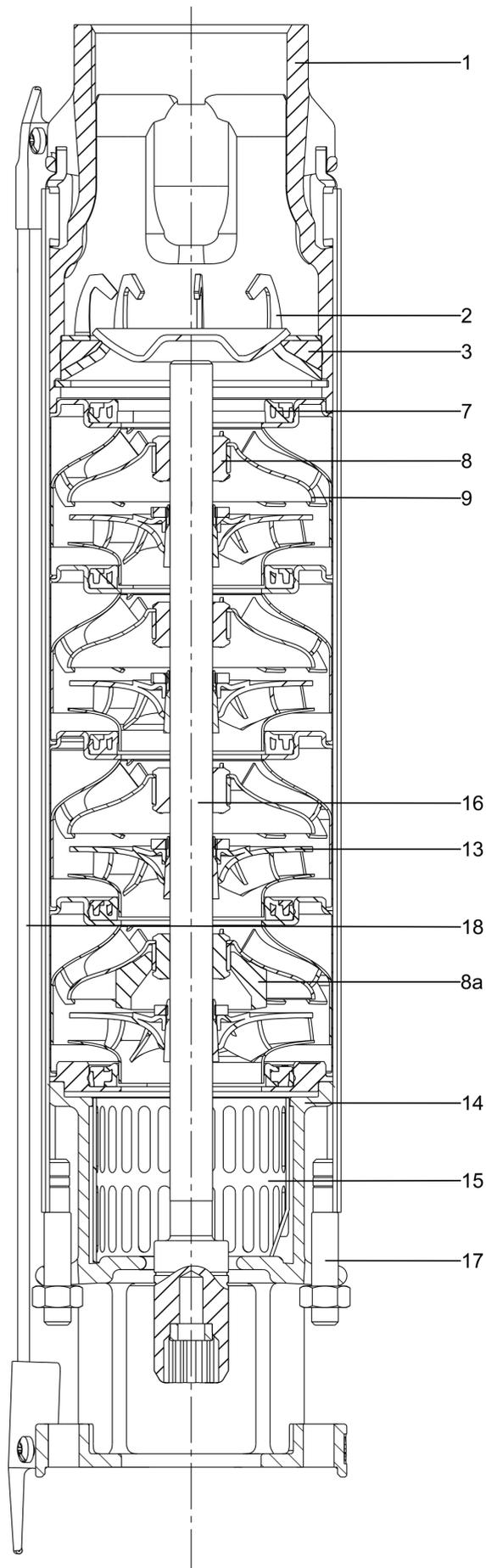
Fig. 13 PE pump, 4" spline shaft (PE 5 - PE25)

Material specification

Pos.	Component	Material	Standard	N-version
			[AISI (EN)]	
1	Valve casing	Stainless steel	304 (1.4301)	316 (1.4401)
2	Valve cup	Stainless steel	304 (1.4301)	316 (1.4401)
7	Neck ring	NBR/TPU		
8	Bearing	NBR		
9	Chamber	Stainless steel	304 (1.4301)	316 (1.4401)
12	Impeller	Stainless steel	304 (1.4301)	316 (1.4401)
14	Suction interconnector	Cast stainless steel	304 (1.4308)	316 (1.4408)
16	Shaft complete	Stainless steel	431 (1.4057)	329 (1.4460)
17	Strap	Stainless steel	304 (1.4301)	316 (1.4401)
18	Cable guard	Stainless steel	304 (1.4301)	316 (1.4401)
	Washer for stop ring	Carbon/graphite HY22 in PTFE mass		
	Strainer	Stainless steel	304 (1.4301)	316 (1.4401)
	Valve seat	Rubber type	NBR	NBR-FKM

4-inch Submersibles

Sectional drawing, PE Pump 4" smooth shaft (PE 40 - PE 75)



Material specification

Pos.	Component	Material	Standard	N-version
			[AISI (EN)]	
1	Valve casing	Cast stainless steel	304 (1.4301)	316 (1.4401)
2	Valve Cup	Cast stainless steel	304 (1.4301)	316 (1.4401)
3	Valve seat	NBR-FKM	NBR-FKM	NBR-FKM
7	Neck ring	TPU/PPS-FKM	TPU/ PPS-FKM	TPU/ PPS-FKM
8	Bearing	LSR-FKM	LSR/FKM	LSR/FKM
8a	Washer for stop ring	Carbon/graphite HY22 in PTFE mass		
9	Chamber	Stainless steel	304 (1.4301)	316 (1.4401)
13	Impeller	Stainless steel	304 (1.4301)	316 (1.4401)
14	Suction interconnector	Cast stainless steel	304 (1.4308)	316 (1.4408)
16	Shaft complete	Stainless steel	1.4057	1.4460
17	Strap	Stainless steel	304 (1.4301)	316 (1.4401)
18	Cable guard	Stainless steel	304 (1.4301)	316 (1.4401)
	Strainer	Stainless steel	304 (1.4301)	316 (1.4401)

Fig. 14 pump, 4" smooth shaft (PE 40 - PE 75)

Performance Curve And Technical Data

4-inch Submersibles



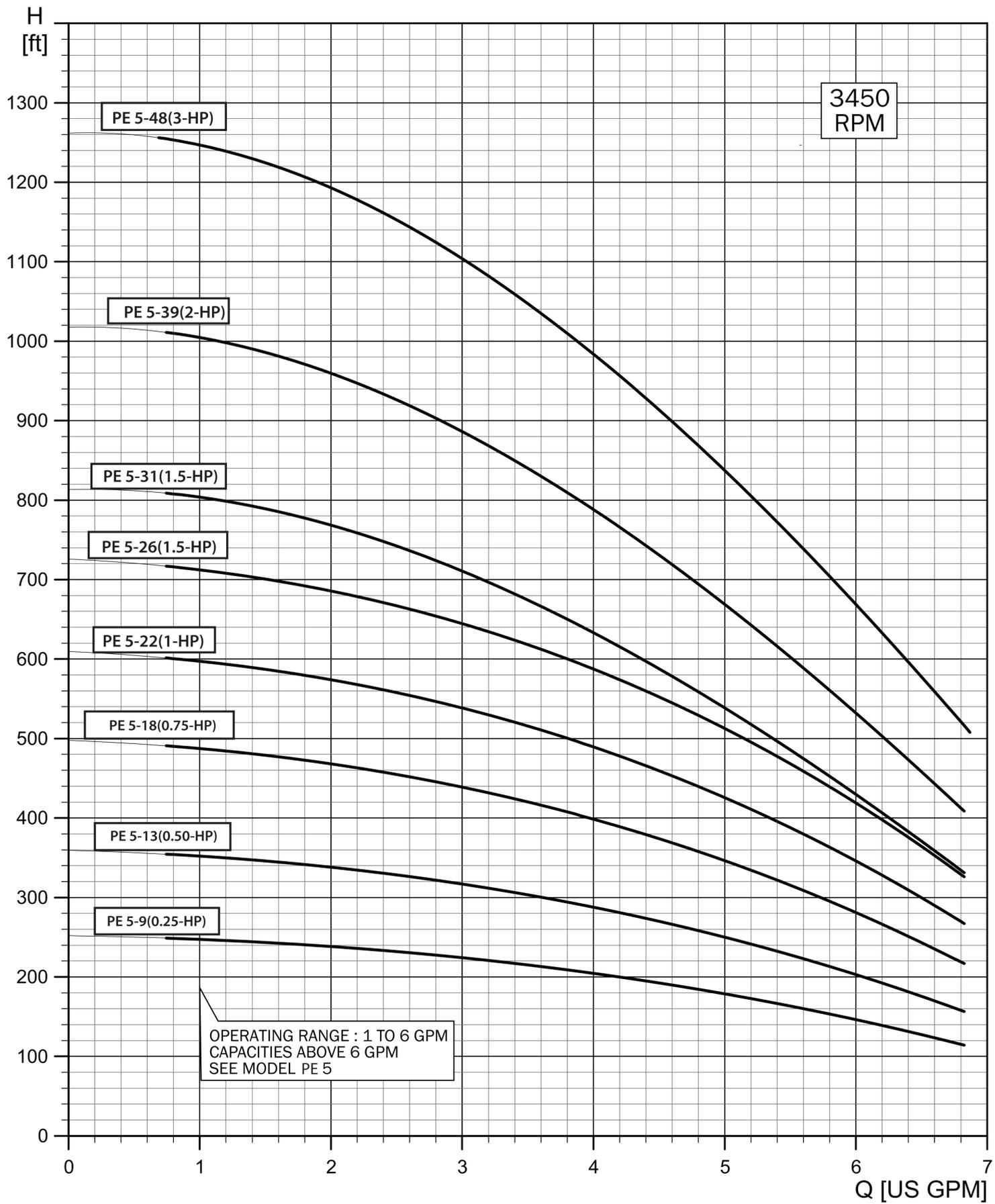
5 GPM

MODEL PE 5

FLOW RANGE: 1-6 GPM

OUTLET SIZE: 1.25" NPT

NOMINAL DIA. 4"



Performance conforms to ISO 9906 Annex A @ 2 ft. min. submergence.

TECHNICAL DATA

5 GPM

MODEL PE 5

2 WIRE

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE 5-9	A	0.5	4"	1	1.25" NPT	24.2	9.5	14.7	3.7	4.0	13	22
PE 5-13	A	0.5	4"	1	1.25" NPT	27.6	9.5	18.1	3.7	4.0	15	22
PE 5-18	A	0.75	4"	1	1.25" NPT	33.9	10.7	22.4	3.7	4.0	18	24
PE 5-22	A	1	4"	1	1.25" NPT	37.2	11.5	25.8	3.7	4.0	21	26
PE 5-26	A	1.5	4"	1	1.25" NPT	43.9	14.7	29.2	3.7	4.0	23	35
PE 5-31	A	1.5	4"	1	1.25" NPT	48.1	14.7	33.4	3.7	4.0	26	35

NOTES: All models suitable for use in 4" wells.

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE 5-9	A	0.5	4"	1	1.25" NPT	24.2	9.5	14.7	3.7	4.0	13	22
				3		25.4	10.7					24
PE 5-13	A	0.5	4"	1	1.25" NPT	24.2	9.5	18.1	3.7	4.0	15	22
				3		25.4	10.7					24
PE 5-18	A	0.75	4"	1	1.25" NPT	33.9	11.5	22.4	3.7	4.0	18	24
				3		33.1	10.7					24
PE 5-22	A	1	4"	1	1.25" NPT	37.2	11.5	25.8	3.7	4.0	21	26
				3		37.2	11.5					26
PE 5-26	A	1.5	4"	1	1.25" NPT	42.5	13.3	29.2	3.7	4.0	23	33
				3		42.5	13.3					33
PE 5-31	A	1.5	4"	1	1.25" NPT	46.8	13.3	33.4	3.7	4.0	26	33
				3		46.8	13.3					33
PE 5-39	B	2	4"	1	1.25" NPT	69.9	15.9	54.0	3.7	4.0	31	37
				3		69.9	15.9					37
PE 5-48	B	3	4"	1	1.25" NPT	84.5	21.2	63.4	3.7	4.0	36	53
				3		84.5	21.2					53

NOTES: All models suitable for use in 4" wells.

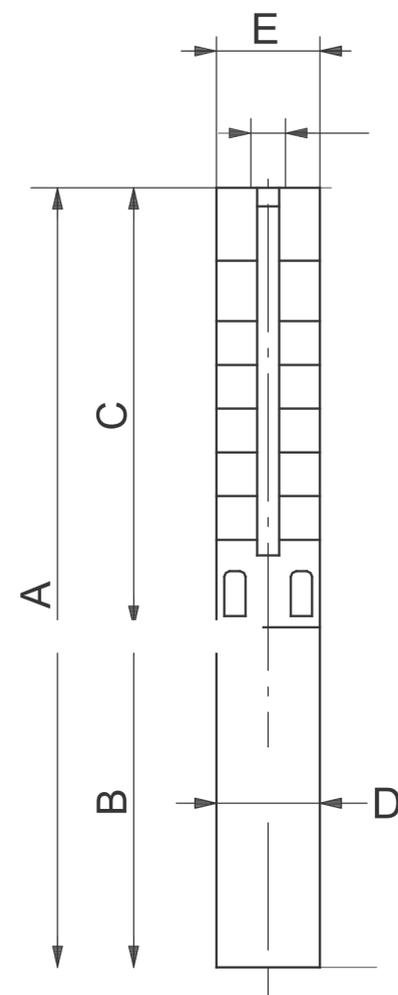


Fig. A

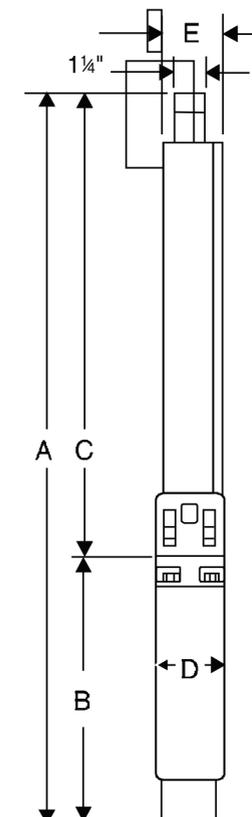


Fig. B

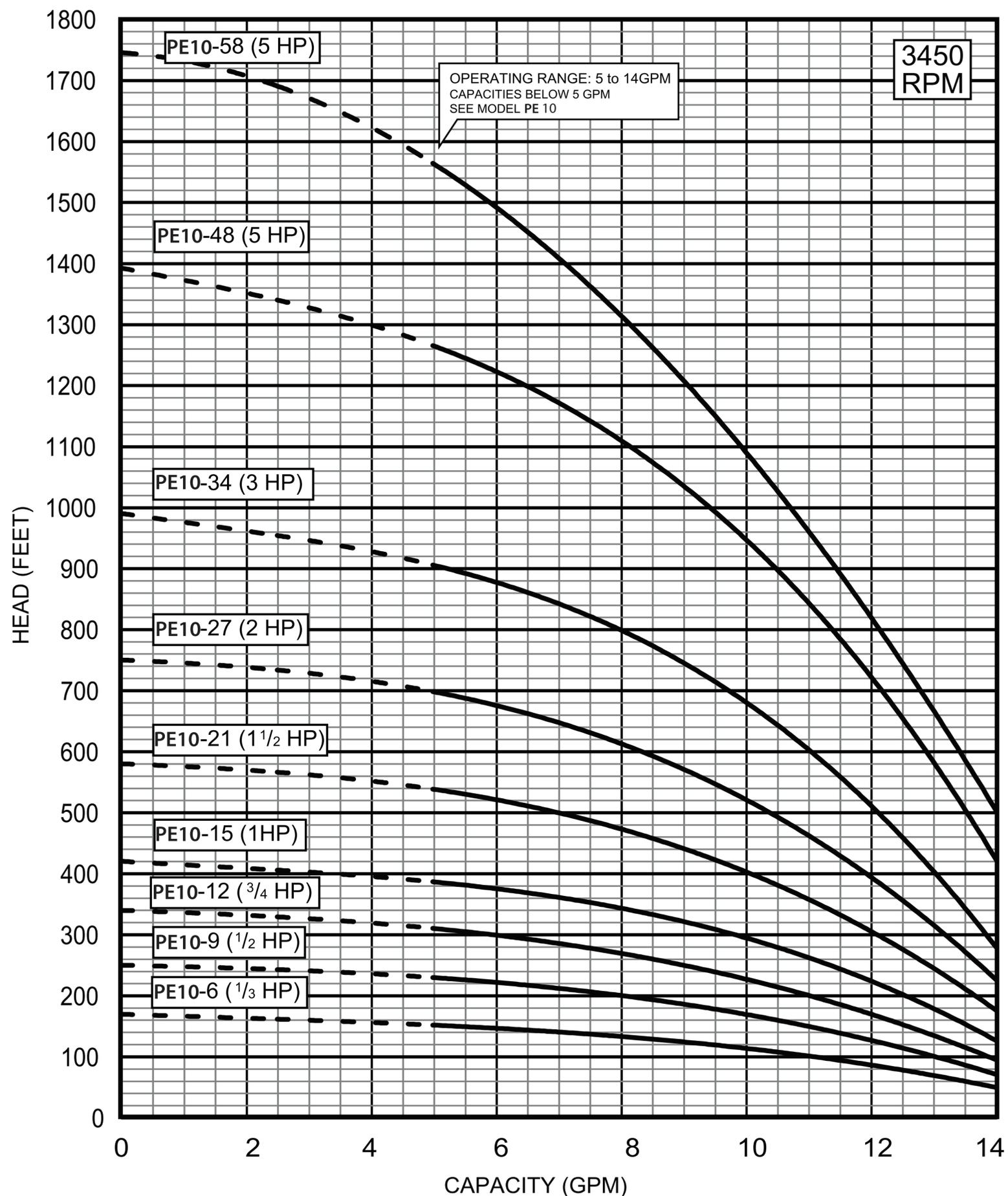
10 GPM

MODEL PE 10

FLOW RANGE: 5 -14 GPM

OUTLET SIZE: 1 1/4" NPT

NOMINAL DIA. 4"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, 3450 RPM.

Performance conforms to ISO 9906 annex A
@ 2 ft. min. submergence.

TECHNICAL DATA

10 GPM

MODEL PE 10

2 WIRE

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE10-6	A	0.5	4"	1	1 1/4" NPT	23.9	9.5	14.4	3.8	3.9	12	22
PE10-9	A	0.5	4"	1	1 1/4" NPT	26.4	9.5	16.9	3.8	3.9	14	22
PE10-12	A	0.8	4"	1	1 1/4" NPT	30.0	10.7	19.4	3.8	3.9	15	24
PE10-15	A	1	4"	1	1 1/4" NPT	33.3	11.5	21.9	3.8	3.9	17	26
PE10-21	A	1.5	4"	1	1 1/4" NPT	41.6	14.8	26.8	3.8	3.9	21	35

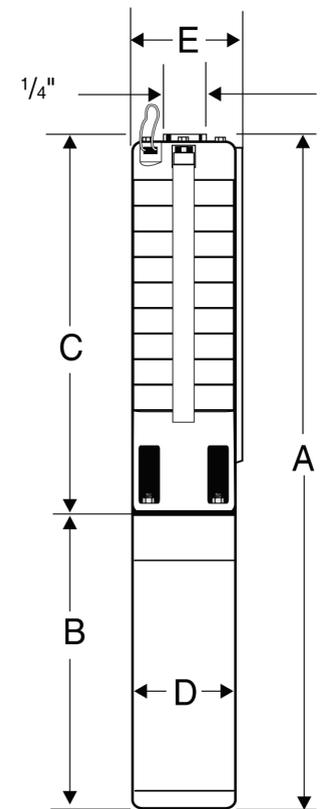


Fig. A

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE10-6	A	0.5	4"	1/3	1 1/4" NPT	23.9	9.5	14.4	3.8	3.9	12	22
						25.1	10.7					24
PE10-9	A	0.5	4"	1/3	1 1/4" NPT	26.4	9.5	16.9	3.8	3.9	14	22
						27.5	10.7					24
PE10-12	A	0.8	4"	1/3	1 1/4" NPT	30.8	11.5	19.4	3.8	3.9	15	24
						30.0	10.7					24
PE10-15	A	1	4"	1/3	1 1/4" NPT	33.3	11.5	21.9	3.8	3.9	17	26
						31.2	11.5					26
PE10-21	A	1.5	4"	1/3	1 1/4" NPT	40.2	13.3	26.8	3.8	3.9	21	33
						40.2	13.3					33
PE10-27	A	2	4"	1/3	1 1/4" NPT	47.7	15.9	31.8	3.8	3.9	24	37
						47.7	15.9					37
PE10-34	A	3	4"	1/3	1 1/4" NPT	58.7	21.2	37.6	3.8	3.9	28	53
						58.7	21.2					53
PE10-48	A	5	4"	1/3	1 1/4" NPT	76.3	27.2	49.1	3.8	3.9	37	68
						71.9	22.8					57
PE10-58*	B	5	4"	1/3	1 1/4" MPT	84.6	27.2	57.4	3.8	4.3	43	68
						80.2	22.8					57

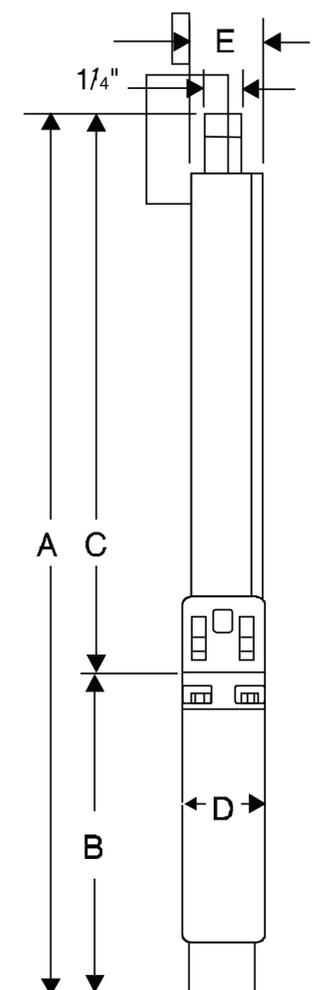


Fig. B

NOTES: All models suitable for use in 4" wells, unless otherwise noted.

* Built into sleeve 1 1/4" MPT discharge, 5" min. well dia.

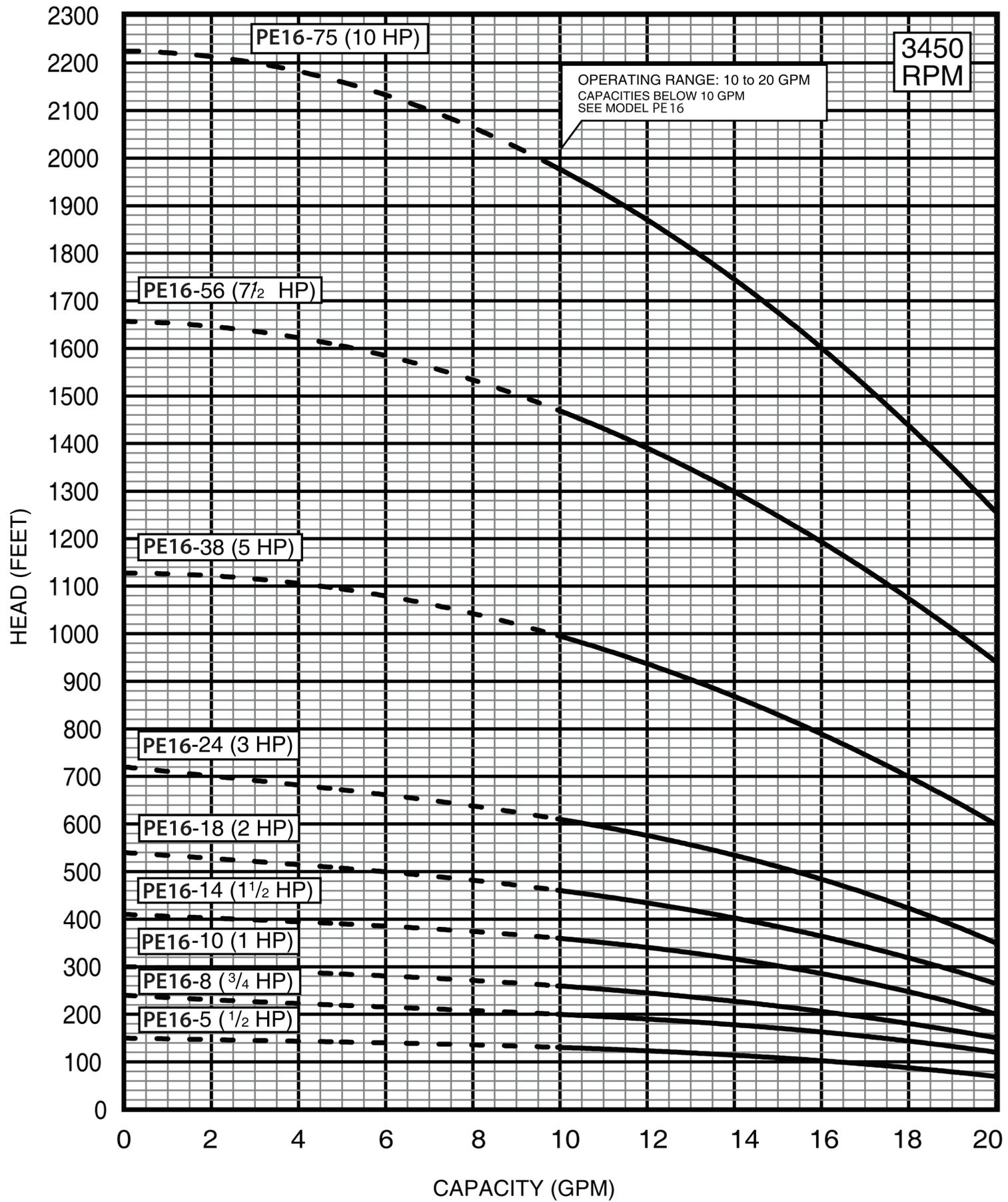
16 GPM

MODEL PE 16

FLOW RANGE: 10 -20 GPM

OUTLET SIZE: 1 1/4 " NPT

NOMINAL DIA. 4"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, .5-5 HP/3450 RPM.
6" MOTOR STANDARD, 7.5-10HP/3450 RPM.

Performance conforms to ISO 9906 Annex A
@ 2 ft. min. submergence.

TECHNICAL DATA

16 GPM

MODEL PE 16

2 WIRE

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE16-5	A	0.5	4"	1	1 1/4" NPT	23.4	9.5	13.9	3.8	3.9	8	22
PE16-8	A	0.75	4"	1	1 1/4" NPT	27.0	10.7	16.3	3.8	3.9	10	24
PE16-10	A	1	4"	1	1 1/4" NPT	29.4	11.5	17.9	3.8	3.9	12	26
PE16-14	A	1.5	4"	1	1 1/4" NPT	35.6	14.5	21.2	3.8	3.9	15	35

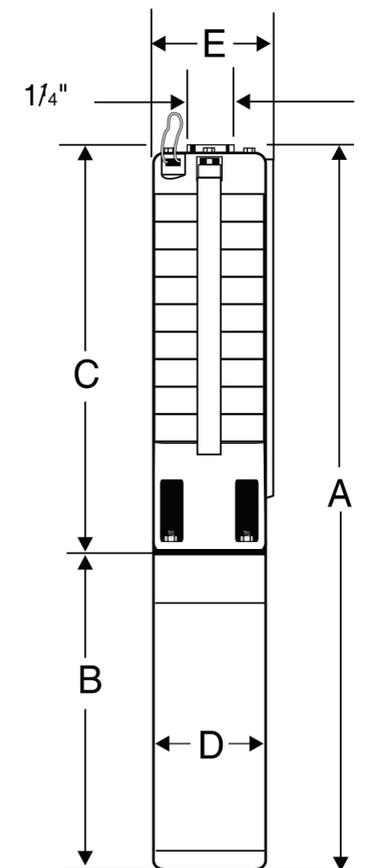


Fig. A

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE16-5	A	0.5	4"	1	1 1/4" NPT	23.4	9.5	13.9	3.8	3.9	8	22
				3		24.5	10.7					24
PE16-8	A	0.75	4"	1	1 1/4" NPT	27.8	11.5	16.3	3.8	3.9	10	24
				3		27.0	10.7					24
PE16-10	A	1	4"	1	1 1/4" NPT	29.4	11.5	17.9	3.8	3.9	12	26
				3		27.4	11.5					26
PE16-14	A	1.5	4"	1	1 1/4" NPT	34.5	13.3	21.2	3.8	3.9	15	33
				3		34.5	13.3					33
PE16-18	A	2	4"	1	1 1/4" NPT	40.3	15.9	24.4	3.8	3.9	17	37
				3		40.3	15.9					37
PE16-24	A	3	4"	1	1 1/4" NPT	50.5	21.2	29.3	3.8	3.9	22	53
				3		50.5	21.2					53
PE16-38	A	5	4"	1	1 1/4" NPT	67.8	27.2	40.7	3.8	3.9	32	68
				3		63.4	22.8					57
PE16-56*	B	7.5	6"	3	1 1/4" MPT	79.5	24.2	55.3	5.4	4.6	45	99
PE16-75*	B	10	6"	3	1 1/4" MPT	96.2	25.5	70.7	5.4	4.6	58	108

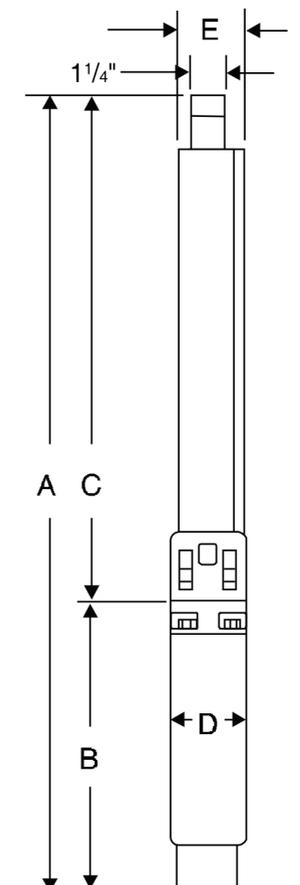


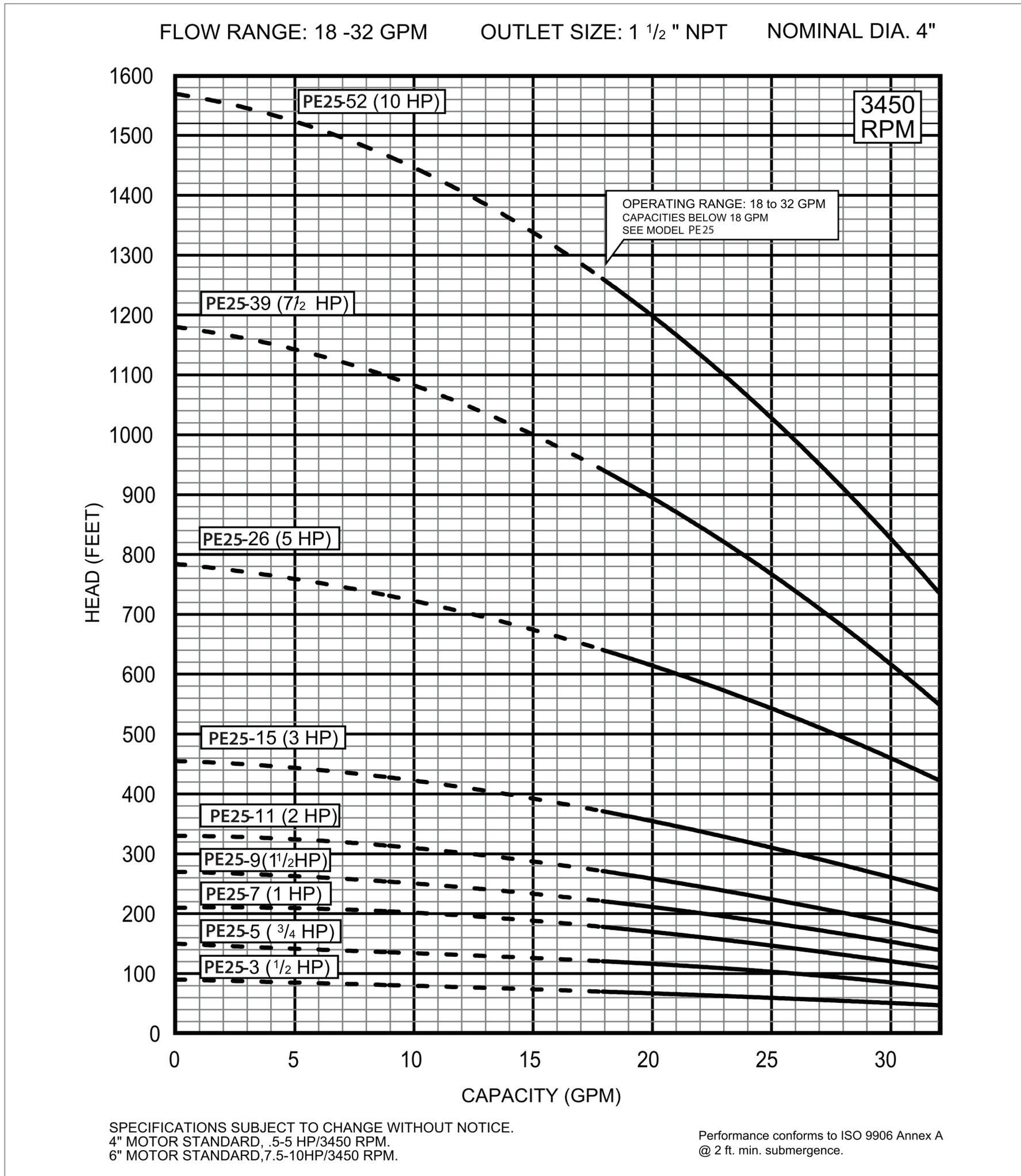
Fig. B

NOTES: All models suitable for use in 4" wells, unless otherwise noted.

* Built into sleeve 1 1/4" MPT discharge, 6" min. well dia.

25 GPM

MODEL PE 25



TECHNICAL DATA

25GPM

MODEL PE 25

2 WIRE

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHS					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE25-3	A	0.5	4"	1	1 1/2" NPT	21.5	9.5	12.0	3.8	3.9	11	22
PE25-5	A	0.75	4"	1	1 1/2" NPT	24.3	10.7	13.6	3.8	3.9	12	24
PE25-7	A	1	4"	1	1 1/2" NPT	26.7	11.5	15.3	3.8	3.9	13	26
PE25-9	A	1.5	4"	1	1 1/2" NPT	31.7	14.8	16.9	3.8	3.9	14	35

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHS					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE25-3	A	0.5	4"	1	1 1/2" NPT	21.5	9.5	12.0	3.8	3.9	11	22
				3		22.7	10.7					24
PE25-5	A	0.75	4"	1	1 1/2" NPT	25.1	11.5	13.6	3.8	3.9	12	24
				3		25.1	11.5					24
PE25-7	A	1	4"	1	1 1/2" NPT	26.7	11.5	15.3	3.8	3.9	13	26
				3		26.7	11.5					26
PE25-9	A	1.5	4"	1	1 1/2" NPT	30.3	13.3	16.9	3.8	3.9	14	26
				3		30.3	13.3					26
PE25-11	A	2	4"	1	1 1/2" NPT	34.5	15.9	18.6	3.8	3.9	15	37
				3		34.5	15.9					37
PE25-15	A	3	4"	1	1 1/2" NPT	43.1	21.2	21.9	3.8	3.9	17	53
				3		43.1	21.2					53
PE25-26	A	5	4"	1	1 1/2" NPT	58.1	27.2	30.9	3.8	3.9	23	68
				3		58.1	27.2					57
PE25-39*	A	7.5	6"	3	1 1/2" NPT	65.9	24.2	41.7	5.4	4.6	30	99
PE25-52*	B	10	6"	3	1 1/2" NPT	77.8	25.5	52.4	5.4	5.4	37	108

NOTES: All models suitable for use in 4" wells, unless otherwise noted.

* Built into sleeve 1 1/2" MPT discharge, 6" min. well dia.

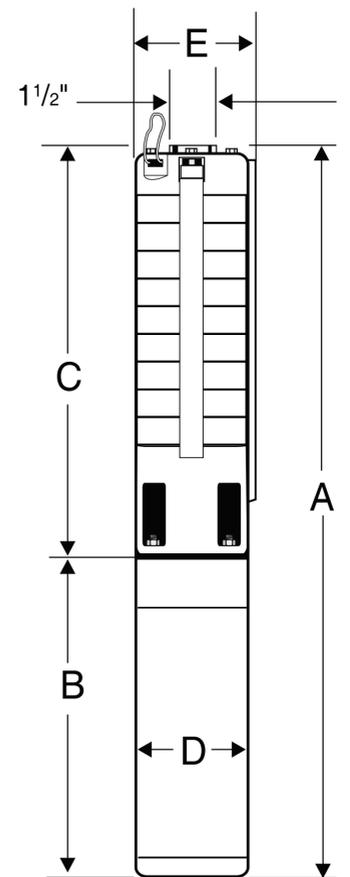


Fig. A

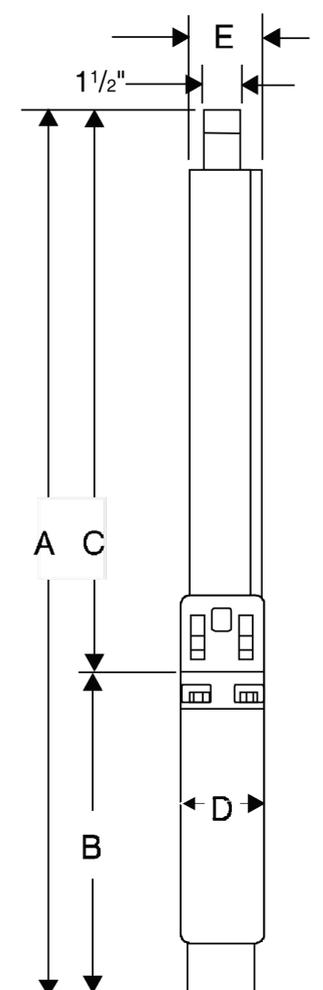
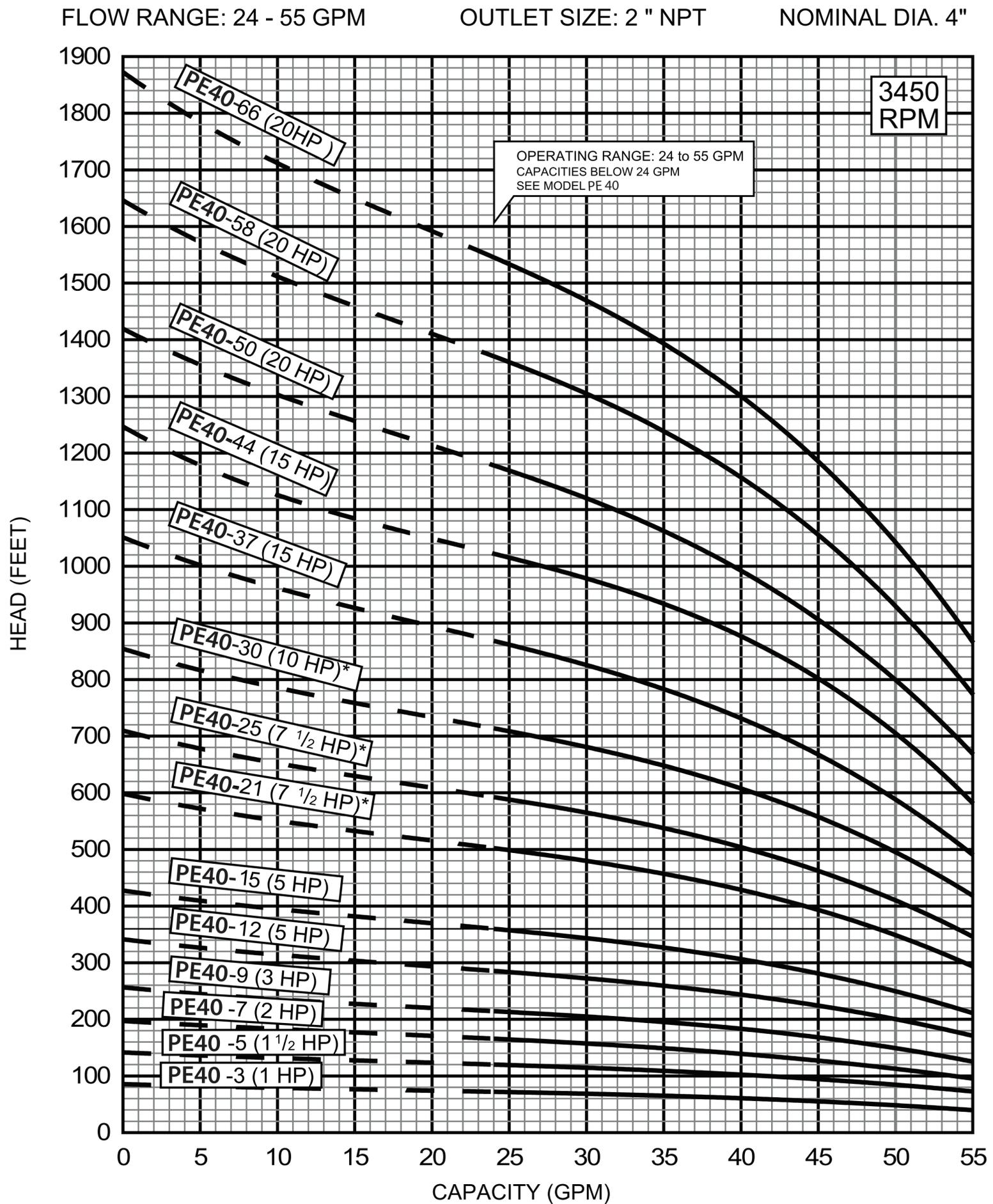


Fig. B

40 GPM

MODEL PE 40



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 4" MOTOR STANDARD, 1-10 HP/3450 RPM.
 6" MOTOR STANDARD, 15-20 HP/3450 RPM.
 * Also available with 6" motor.

Performance conforms to ISO 9906 Annex A
 @ 5 ft. min. submergence.

TECHNICAL DATA

40 GPM

MODEL PE 40

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX	
						A	B	C	D	E	PUMP	MOTOR
PE40-3	A	1	4"	1	2" NPT	26.1	11.5	14.6	3.8	3.9	13	26
				3		26.1	11.5					26
PE40-5	A	1.5	4"	1	2" NPT	31.3	13.3	17.9	3.8	3.9	15	33
				3		31.3	13.3					33
PE40-7	A	2	4"	1	2" NPT	37.1	15.9	21.2	3.8	3.9	18	37
				3		37.1	15.9					37
PE40-9	A	3	4"	1	2" NPT	45.6	21.2	24.4	3.8	3.9	20	53
				3		45.6	21.2					53
PE40-12	A	5	4"	1	2" NPT	56.5	27.2	29.4	3.8	3.9	23	68
				3		52.1	22.8					57
PE40-15	A	5	4"	1	2" NPT	61.4	27.2	34.3	3.8	3.9	27	68
				3		57.0	22.8					57
PE40-21*	A	7.5	4"	3	2" NPT	74.2	30.2	44.1	3.8	3.9	34	77
PE40-25*	A	7.5	4"	3	2" NPT	80.8	30.2	50.6	3.8	3.9	38	77
PE40-30*	A	10	4"	3	2" NPT	86.8	32.5	58.8	3.8	3.9	46	84
PE40-37	A	15	6"	3	2" NPT	100.9	28.0	72.9	5.4	5.4	58	119
PE40-44	A	15	6"	3	2" NPT	112.5	28.0	84.5	5.4	5.4	68	119
PE40-50**	B	20	6"	3	2" MPT	125.0	30.6	94.4	5.4	5.5	77	132
PE40-58**	B	20	6"	3	2" MPT	138.2	30.6	107.6	5.4	5.5	86	132
PE40-66**	B	20	6"	3	2" MPT	151.5	30.6	120.9	5.4	5.5	96	132

NOTES: All models suitable for use in 4" wells, unless otherwise noted.

* Also available with 6" motor.

** Built into sleeve 2" MPT discharge, 6" min. well dia.

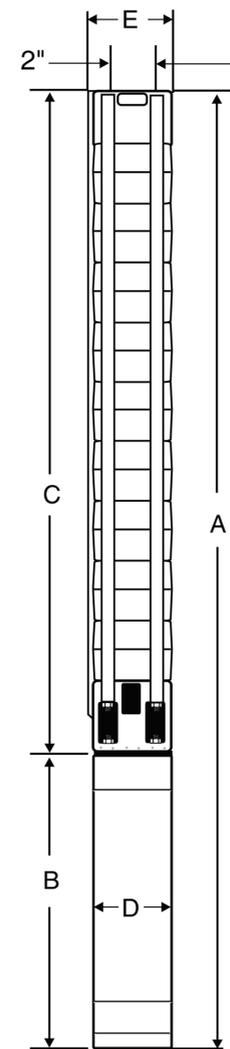


Fig. A

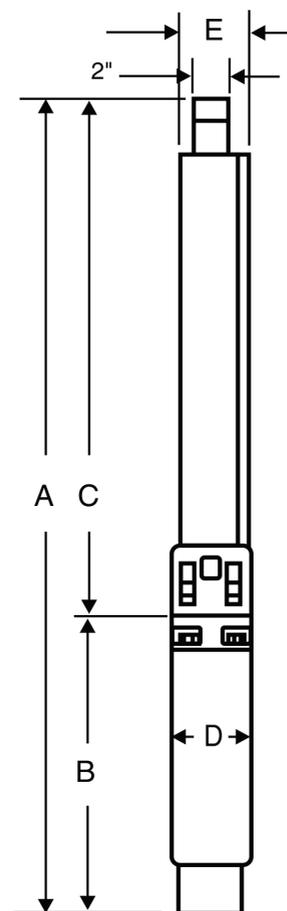


Fig. B

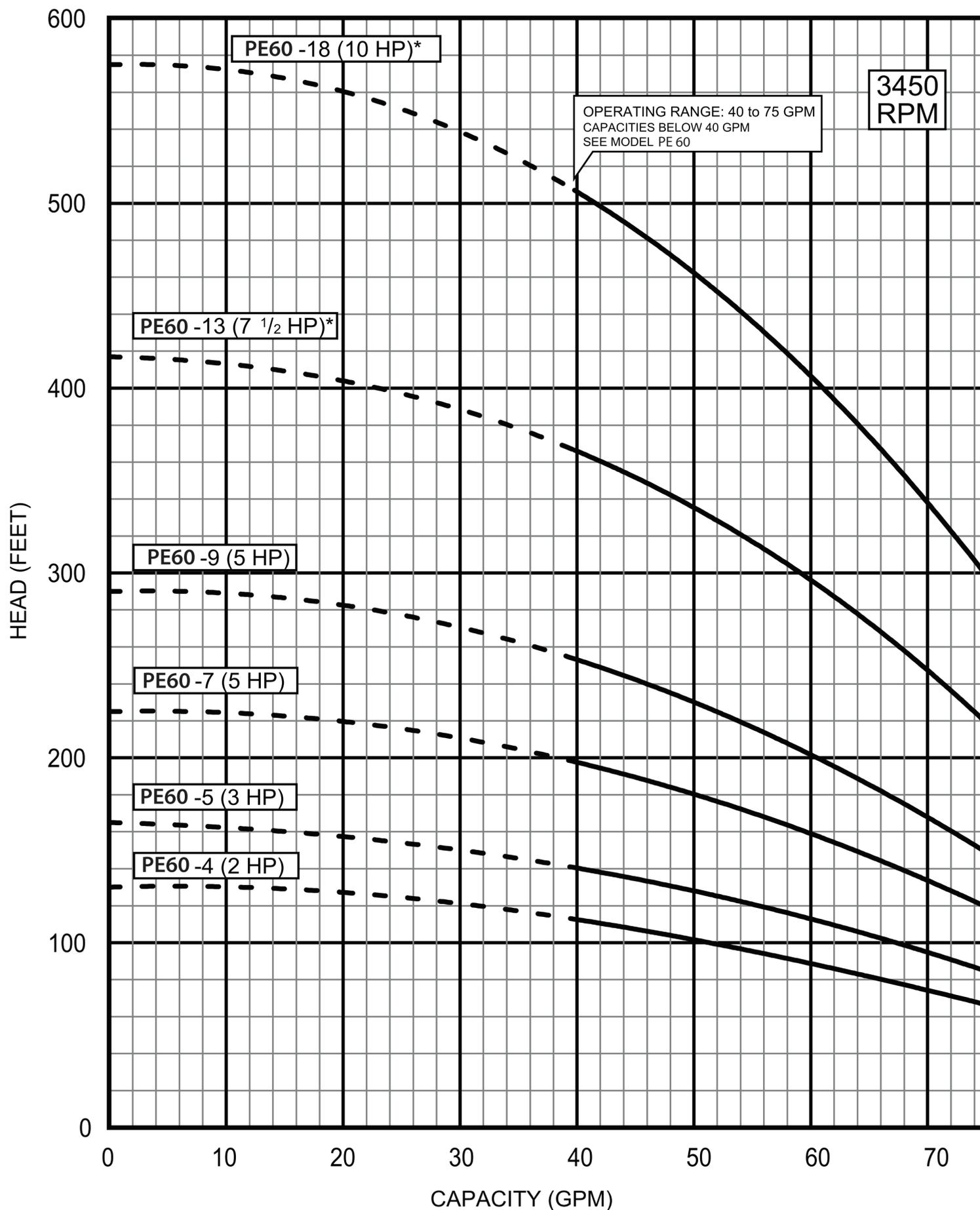
60 GPM

MODEL PE 60

FLOW RANGE: 40 -75 GPM

OUTLET SIZE: 2 " NPT

NOMINAL DIA. 4"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
* Also available with 6" motor.

Performance conforms to ISO 9906 Annex A
@ 5 ft. min. submergence.

TECHNICAL DATA

60 GPM

MODEL PE 60

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX	
						A	B	C	D	E	PUMP	MOTOR
PE60-4	A	2	4"	1	2" NPT	35.6	15.9	19.7	3.8	3.9	16	37
				3		35.6	15.9					37
PE60-5	A	3	4"	1	2" NPT	43.4	21.2	22.2	3.8	3.9	18	53
				3		43.4	21.2					53
PE60-7	A	5	4"	1	2" NPT	54.5	27.2	27.4	3.8	3.9	21	68
				3		50.1	22.8					57
PE60-9	A	5	4"	1	2" NPT	59.7	27.2	32.5	3.8	3.9	24	68
				3		55.3	22.8					57
PE60-13*	A	7.5	4"	3	2" NPT	72.9	30.2	42.7	3.8	3.9	30	77
PE60-18*	A	10	4"	3	2" NPT	88.0	32.5	55.5	3.8	3.9	39	84

NOTES: All models suitable for use in 4" wells, unless otherwise noted.
 * Also available with 6" motor.

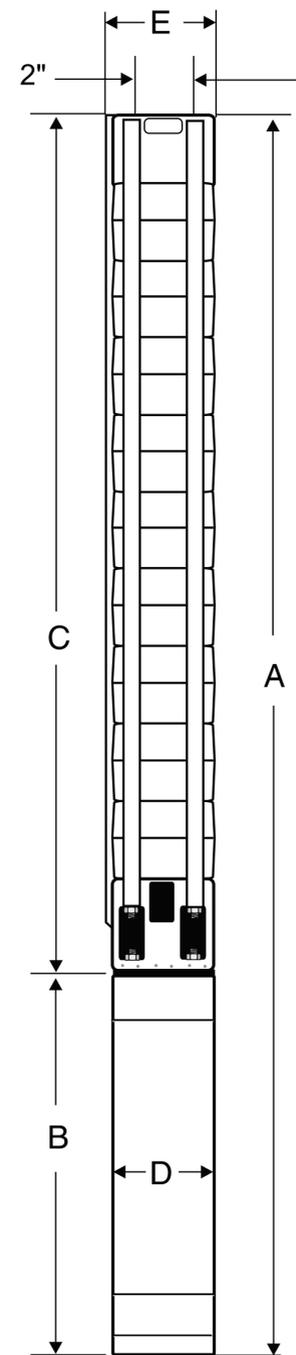
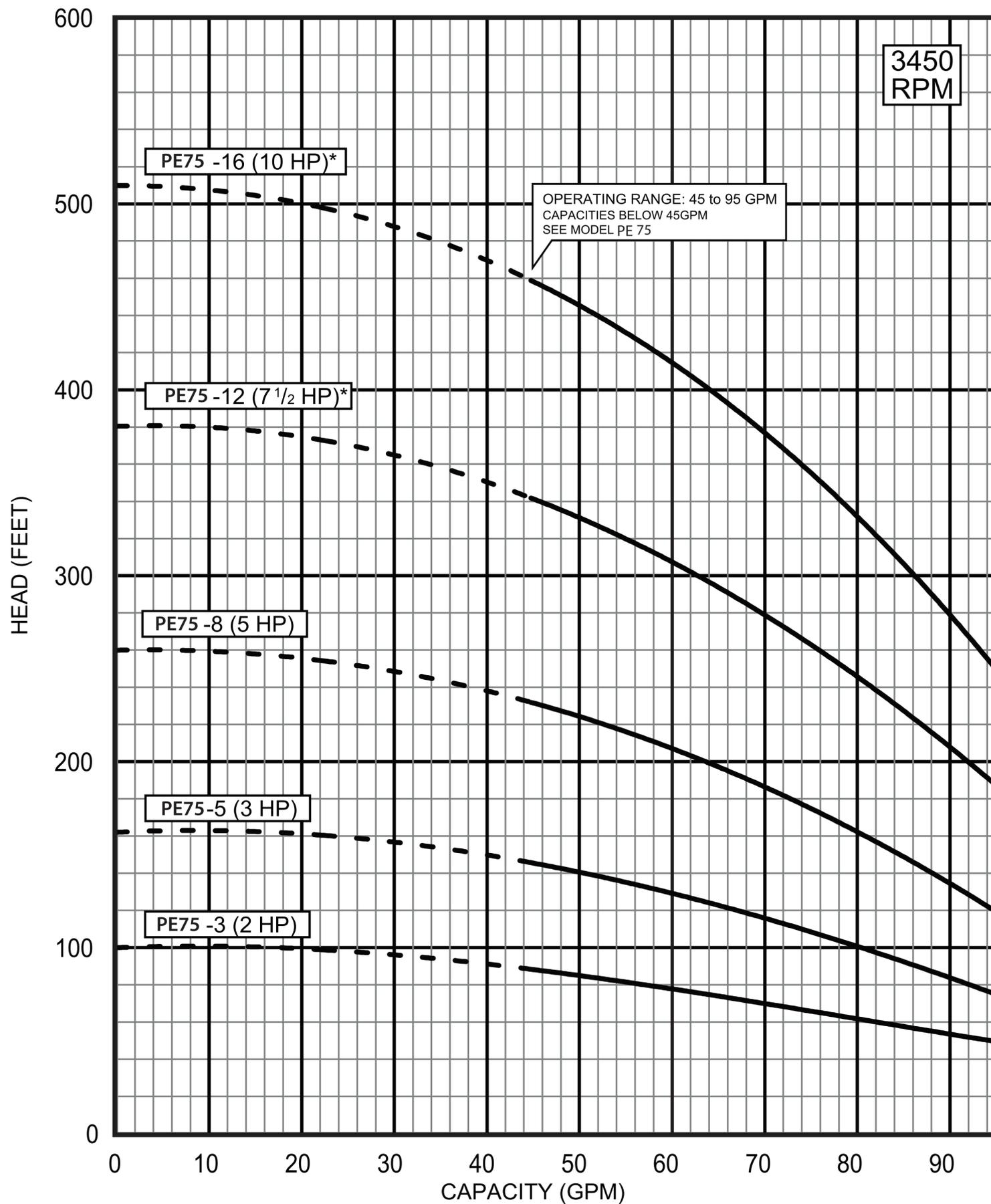


Fig. A

75 GPM

MODEL PE 75

FLOW RANGE: 45 - 95 GPM OUTLET SIZE: 2" NPT NOMINAL DIA.: 4"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" motor standard, 2-10 HP/3450 RPM

* Also available with 6" motor. Performance is the same only at Best Efficiency Point.

Consult factory for actual performance.

Performance conforms to ISO 9906 Annex A @ 5 ft. min. submergence.

TECHNICAL DATA

75 GPM

MODEL PE 75

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX	
						A	B	C	D	E	PUMP	MOTOR
PE75-3	A	2	4"	1	2" NPT	33.1	15.9	17.2	3.8	3.9	15	37
				3		33.1	15.9					37
PE75-5	A	3	4"	1	2" NPT	43.5	21.2	22.3	3.8	3.9	18	53
				3		43.5	21.2					53
PE75-8	A	5	4"	1	2" NPT	57.1	27.2	30.0	3.8	3.9	23	68
				3		52.7	22.8					57
PE75-12*	A	7.5	4"	3	2" NPT	70.4	30.2	40.2	3.8	3.9	29	77
PE75-16*	A	10	4"	3	2" NPT	82.9	32.5	50.4	3.8	3.9	36	84

NOTES: All models suitable for use in 4" wells, unless otherwise noted.

* Also available with 6" motor. Performance is the same only at Best Efficiency Point.

Consult factory for actual performance.

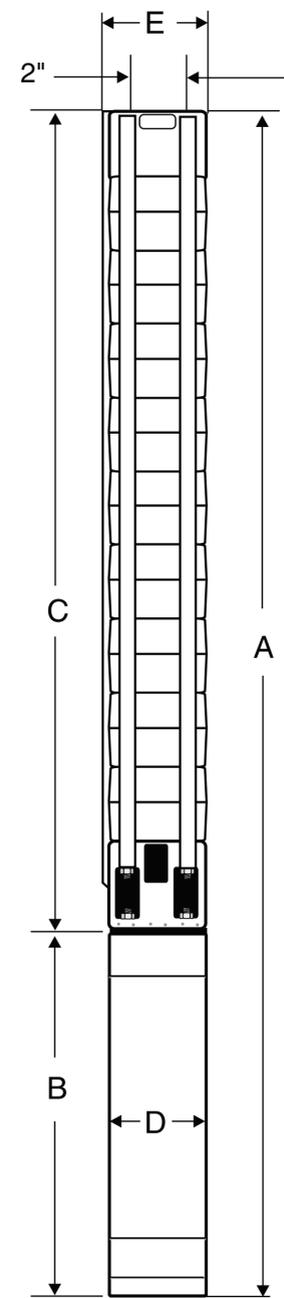
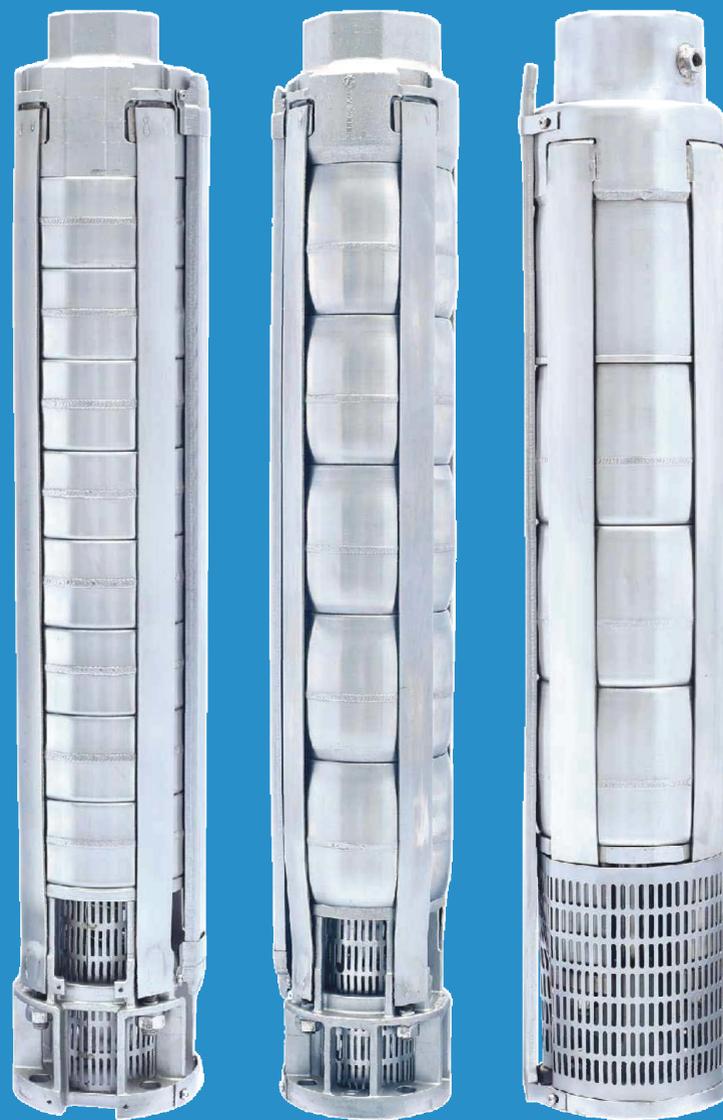


Fig. A

Performance Curve And Technical Data

6- Inch, Submersibles



6-inch Submersibles

Sectional drawing, PE pump 6" smooth shaft (PE 85 - PE300)

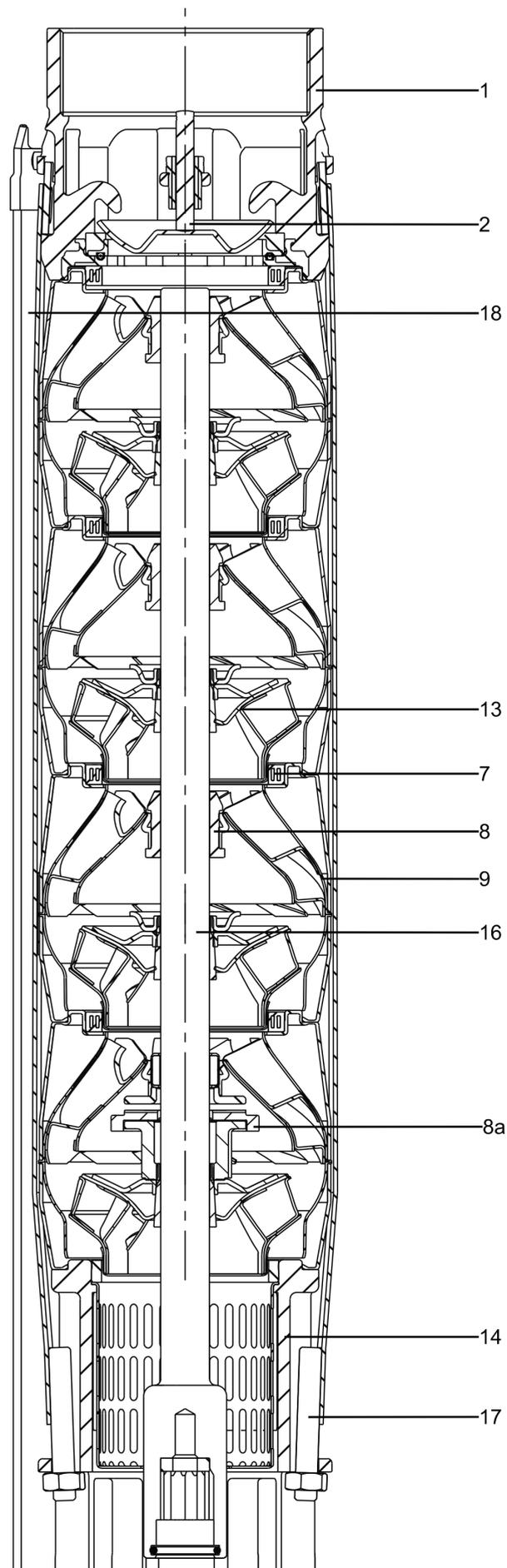


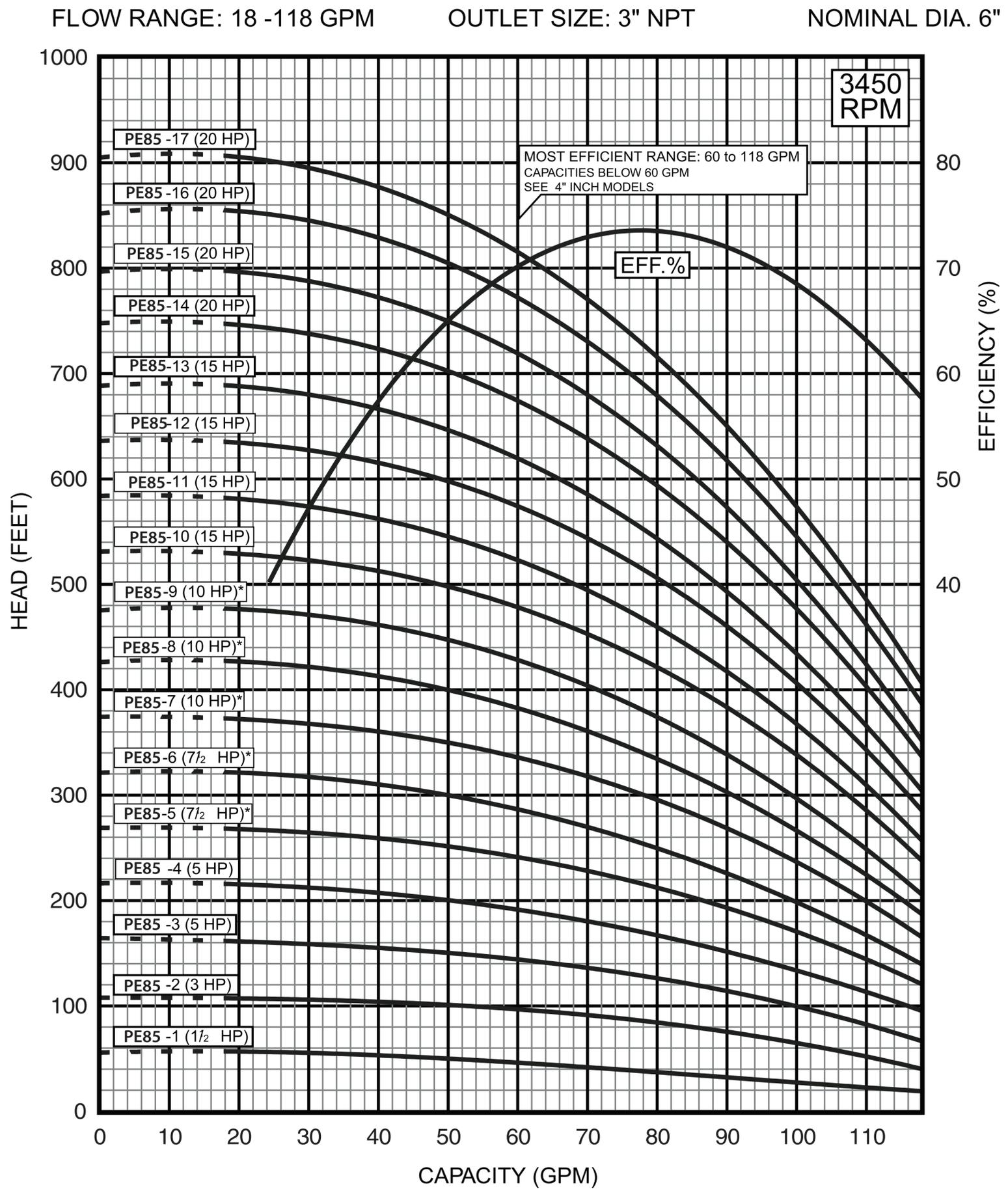
Fig. 15 Example, 6" (PE 85 - PE 300)

Material specification

Pos.	Component	Material	Standard	N-version
			[AISI (EN)]	[AISI (EN)]
1	Valve casing	Stainless steel	304 (1.4301)	316 (1.4401)
2	Valve cup	Stainless steel	304 (1.4301)	316 (1.4401)
	Valve seat	NBR-FKM	NBR-FKM	NBR-FKM
7	Neck ring	NBR-FKM	NBR-FKM	NBR-FKM
8	Bearing	NBR-FKM-LSR	NBR-FKM-LSR	NBR-FKM-LSR
	Washer for stop ring	Carbon/graphite HY22 in PTFE mass		
9	Chamber	Stainless steel	304 (1.4301)	316 (1.4401)
13	Impeller	Stainless steel	304 (1.4301)	316 (1.4401)
14	Suction interconnector	Cast stainless steel	304 (1.4308)	316 (1.4408)
	Strainer	Stainless steel	304 (1.4301)	316 (1.4401)
16	Shaft complete	Stainless steel	431 (1.4057)	329 (1.4460)
17	Strap	Stainless steel	304 (1.4301)	316 (1.4401)
18	Cable guard	Stainless steel	304 (1.4301)	316 (1.4401)

85 GPM

MODEL PE 85

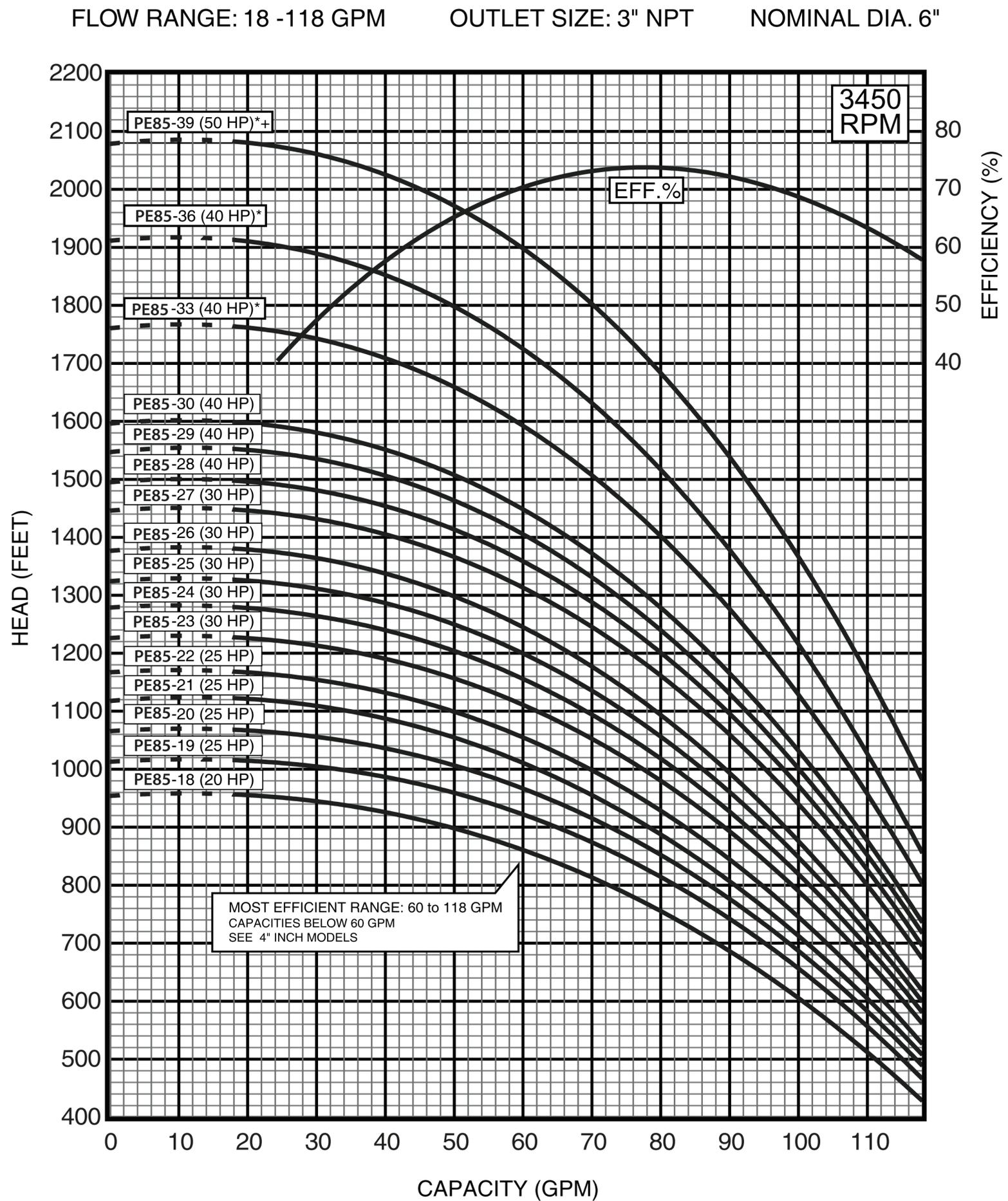


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, 1.5-5 HP/3450 RPM
6" MOTOR STANDARD, 7.5-50 HP/3450 RPM.
*Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 5 ft. min. submergence.

85 GPM

MODEL PE 85



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
* Built into sleeve 3" male NPT discharge/ 8" min. well diameter.
6" MOTOR STANDARD, 7.5-50 HP/3450 RPM.
+ Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 5 ft. min. submergence.

TECHNICAL DATA

85 GPM

MODEL PE 85

DIMENSIONS AND WEIGHTS

MODEL NO	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE85-1	A	1.5	4"	1	3" NPT	26.3	13.3	13.0	3.8	5.2	17	33
				3		26.3	13.3					33
PE85-2	A	3	4"	1	3" NPT	36.5	21.2	15.4	3.8	5.2	19	53
				3		36.5	21.2					53
PE85-3	A	5	4"	1	3" NPT	44.9	27.2	17.7	3.8	5.2	22	68
				3		40.5	22.8					57
PE85-4	A	5	4"	1	3" NPT	47.3	27.2	20.1	3.8	5.2	25	68
				3		42.9	22.8					57
PE85-5	A	7.5	4"	3	3" NPT	52.7	30.2	22.5	3.8	5.2	28	77
PE85-6	A	7.5	4"	3	3" NPT	55.1	30.2	24.9	3.8	5.2	31	77
PE85-7	A	10	4"	3	3" NPT	59.7	32.5	27.3	3.8	5.2	34	84
PE85-8	A	10	4"	3	3" NPT	62.1	32.5	29.6	3.8	5.2	36	84
PE85-9	A	10	4"	3	3" NPT	64.5	32.5	32.0	3.8	5.2	39	84
PE85-5	A	7.5	6"	3	3" NPT	47.0	24.2	22.8	5.4	5.6	29	108
PE85-6	A	7.5	6"	3	3" NPT	49.4	24.2	25.2	5.4	5.6	32	108
PE85-7	A	10	6"	3	3" NPT	53.0	25.4	27.6	5.4	5.6	35	108
PE85-8	A	10	6"	3	3" NPT	55.4	25.4	30.0	5.4	5.6	38	108
PE85-9	A	10	6"	3	3" NPT	57.8	25.4	32.4	5.4	5.6	41	108
PE85-10	A	15	6"	3	3" NPT	62.8	28.0	34.8	5.4	5.6	44	119
PE85-11	A	15	6"	3	3" NPT	65.2	28.0	37.2	5.4	5.6	48	119
PE85-12	A	15	6"	3	3" NPT	67.6	28.0	39.6	5.4	5.6	51	119
PE85-13	A	15	6"	3	3" NPT	70.0	28.0	42.0	5.4	5.6	54	119
PE85-14	A	20	6"	3	3" NPT	75.0	30.6	44.4	5.4	5.6	57	132
PE85-15	A	20	6"	3	3" NPT	77.4	30.6	46.8	5.4	5.6	61	132
PE85-16	A	20	6"	3	3" NPT	79.7	30.6	49.1	5.4	5.6	64	132
PE85-17	A	20	6"	3	3" NPT	82.1	30.6	51.5	5.4	5.6	67	132
PE85-18	A	20	6"	3	3" NPT	84.5	30.6	53.9	5.4	5.6	71	132
PE85-19	A	25	6"	3	3" NPT	89.4	33.1	56.3	5.4	5.6	74	145
PE85-20	A	25	6"	3	3" NPT	91.8	33.1	58.7	5.4	5.6	77	145
PE85-21	A	25	6"	3	3" NPT	94.2	33.1	61.1	5.4	5.6	81	145
PE85-22	A	25	6"	3	3" NPT	96.6	33.1	63.5	5.4	5.6	84	145
PE85-23	A	30	6"	3	3" NPT	101.6	35.7	65.9	5.4	5.6	87	158
PE85-24	A	30	6"	3	3" NPT	104.0	35.7	68.3	5.4	5.6	90	158
PE85-25	A	30	6"	3	3" NPT	106.4	35.7	70.7	5.4	5.6	94	158
PE85-26	A	30	6"	3	3" NPT	108.8	35.7	73.1	5.4	5.6	97	158
PE85-27	A	30	6"	3	3" NPT	116.3	40.8	75.5	5.4	5.6	100	158
PE85-28	A	40	6"	3	3" NPT	118.7	40.8	77.9	5.4	5.6	104	220
PE85-29	A	40	6"	3	3" NPT	121.1	40.8	80.3	5.4	5.6	107	220
PE85-30	A	40	6"	3	3" NPT	123.5	40.8	82.7	5.4	5.6	110	220
PE85-33*	B	40	6"	3	3" NPT	130.6	40.8	89.8	5.4	6.9	120	220
PE85-36*	B	40	6"	3	3" NPT	137.8	40.8	97.0	5.4	6.9	130	220
PE85-39*	B	50	6"	3	3" NPT	162.0	57.8	104.2	5.4	6.9	140	308
PE85-33*	B	40	8"	3	3" NPT	126.4	35.8	90.6	7.5	6.9	126	220
PE85-36*	B	40	8"	3	3" NPT	133.5	35.8	97.7	7.5	6.9	136	220
PE85-39*	B	50	8"	3	3" NPT	143.6	38.8	104.8	7.5	6.9	147	308

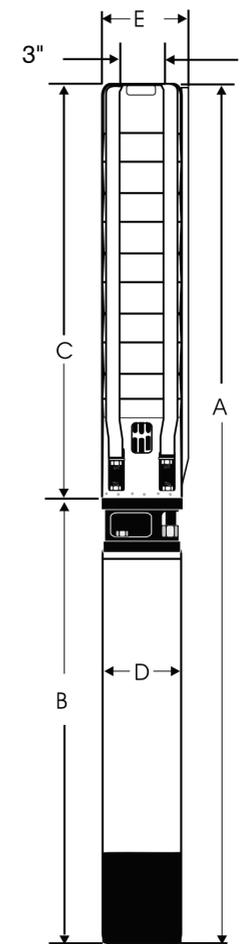


Fig. A

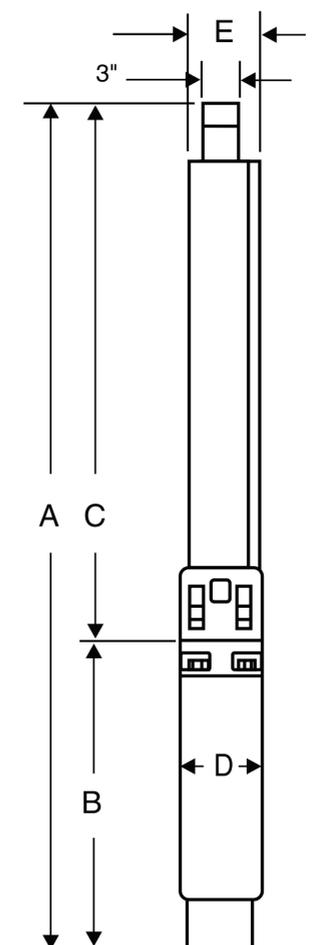


Fig. B

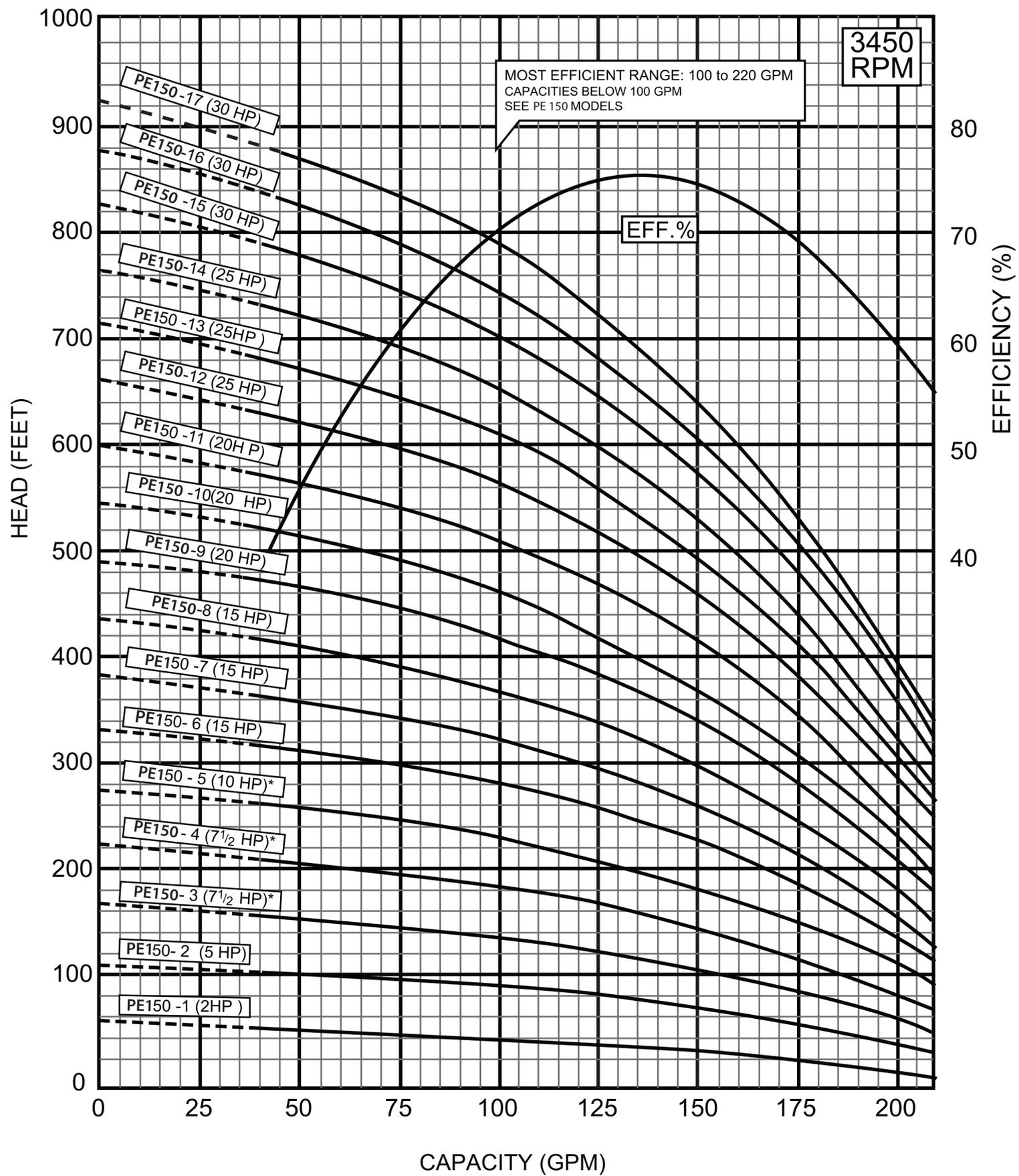
NOTES: All models suitable for use in 6" wells, unless otherwise noted.

* Built into sleeve 3" NPT discharge, 8" min. well dia.

150 GPM

MODEL PE150

FLOW RANGE: 30- 220 GPM OUTLET SIZE: 3" NPT NOMINAL DIA. 6"

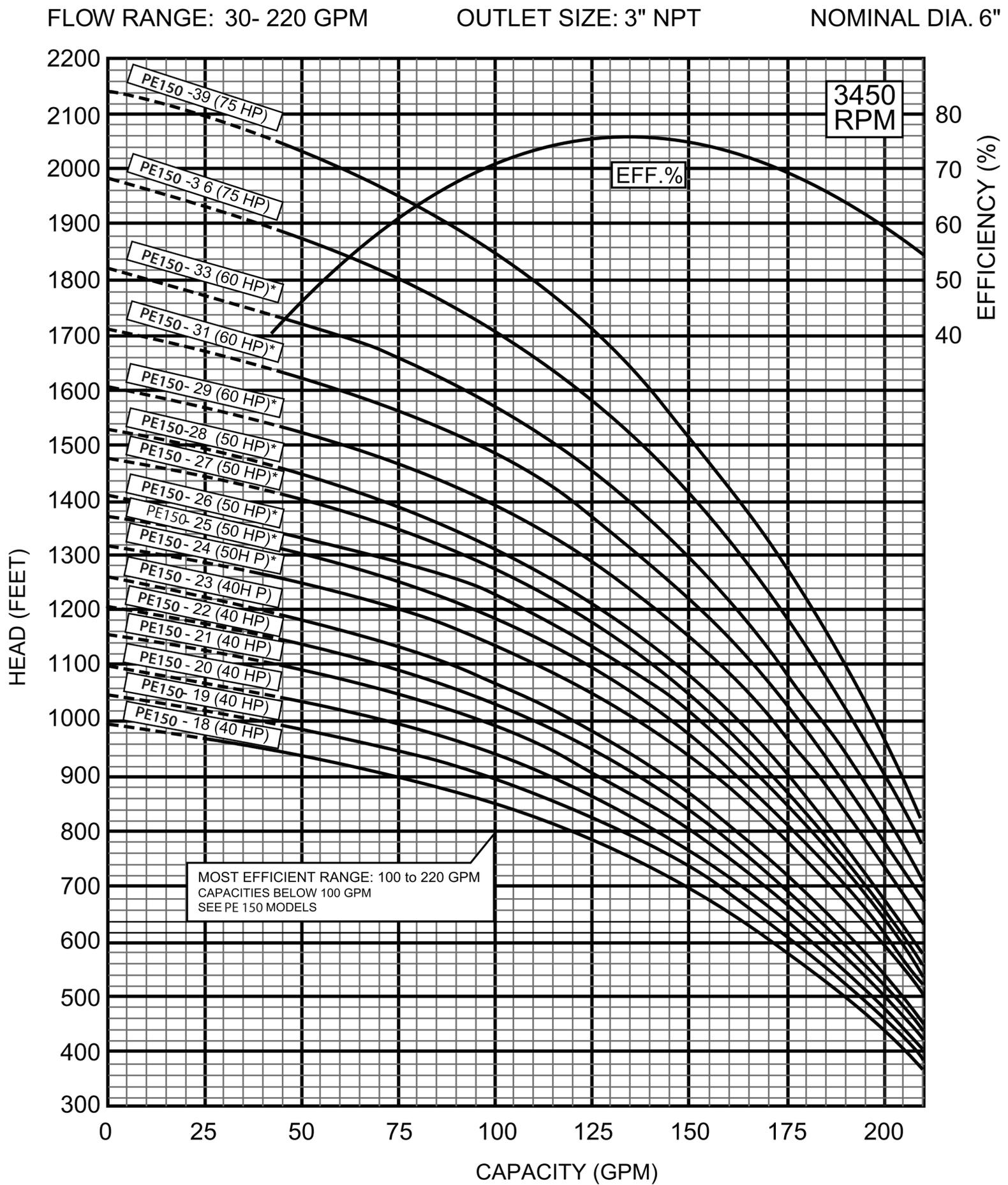


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 4" MOTOR STANDARD, 2-10 HP/3450 RPM
 6" MOTOR STANDARD, 7.5-60 HP/3450 RPM
 8" MOTOR STANDARD, 75 HP/3525 RPM
 * Alternate motor sizes available

Performance conforms to ISO 9906 Annex A
 @ 5 ft. min. submergence.

150 GPM

MODEL PE150



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
6" MOTOR STANDARD, 7.5-60 HP/3450 RPM.
8" MOTOR STANDARD, 75 HP/3525 RPM
* Alternate motor sizes available

Performance conforms to ISO 9906 Annex A
@ 5 ft. min. submergence.

TECHNICAL DATA

150 GPM

MODEL PE150

Dimensions and weight

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE150-1	A	2	4"	1	3" NPT	30.2	15.9	14.3	3.8	5.2	18	37
				3		30.2	15.9					37
PE150-2	A	5	4"	1	3" NPT	45.3	27.2	18.1	3.8	5.2	22	68
				3		45.3	27.2					57
PE150-3	A	7.5	4"	3	3" NPT	52.1	30.2	21.9	3.8	5.2	26	77
PE150-4	A	7.5	4"	3	3" NPT	55.9	30.2	25.7	3.8	5.2	31	77
PE150-5	A	10	4"	3	3" NPT	62.0	32.5	29.5	3.8	5.2	35	84
PE150-4	A	7.5	6"	3	3" NPT	55.3	24.2	31.1	5.4	5.6	35	99
PE150-5	A	10	6"	3	3" NPT	59.1	25.5	33.6	5.4	5.6	40	108
PE150-6	A	15	6"	3	3" NPT	64.2	28.0	36.2	5.4	5.6	44	119
PE150-7	A	15	6"	3	3" NPT	66.7	28.0	38.7	5.4	5.6	48	119
PE150-8	A	15	6"	3	3" NPT	69.2	28.0	41.2	5.4	5.6	53	119
PE150-9	A	20	6"	3	3" NPT	74.3	30.6	43.8	5.4	5.6	57	132
PE150-10	A	20	6"	3	3" NPT	76.9	30.6	46.3	5.4	5.6	61	132
PE150-11	A	20	6"	3	3" NPT	79.4	30.6	48.8	5.4	5.6	66	132
PE150-12	A	25	6"	3	3" NPT	84.5	33.1	51.4	5.4	5.6	70	145
PE150-13	A	25	6"	3	3" NPT	87.0	33.1	53.9	5.4	5.6	74	145
PE150-14	A	25	6"	3	3" NPT	89.6	33.1	56.4	5.4	5.6	79	145
PE150-15	A	30	6"	3	3" NPT	94.6	35.7	58.9	5.4	5.6	83	158
PE150-16	A	30	6"	3	3" NPT	97.2	35.7	61.5	5.4	5.6	87	158
PE150-17	A	30	6"	3	3" NPT	99.7	35.7	64.0	5.4	5.6	91	158
PE150-18	A	40	6"	3	3" NPT	109.8	43.3	66.5	5.4	5.6	95	220
PE150-19	A	40	6"	3	3" NPT	112.3	43.3	69.1	5.4	5.6	100	220
PE150-20	A	40	6"	3	3" NPT	114.9	43.3	71.6	5.4	5.6	104	220
PE150-21	A	40	6"	3	3" NPT	117.4	43.3	74.1	5.4	5.7	108	220
PE150-22	A	40	6"	3	3" NPT	119.9	43.3	76.7	5.4	5.7	113	220
PE150-23	A	40	6"	3	3" NPT	122.5	43.3	79.2	5.4	5.7	117	220
PE150-24	A	50	6"	3	3" NPT	140.2	58.5	81.7	5.4	6.1	122	308
PE150-25	A	50	6"	3	3" NPT	142.8	58.5	84.3	5.4	6.1	126	308
PE150-26	A	50	6"	3	3" NPT	145.3	58.5	86.8	5.4	6.1	130	308
PE150-27	A	50	6"	3	3" NPT	147.8	58.5	89.3	5.4	6.1	135	308
PE150-28	A	50	6"	3	3" NPT	150.4	58.5	91.9	5.4	7.1	139	308
PE150-29	A	50	6"	3	3" NPT	152.9	58.5	94.4	5.4	7.1	143	308
PE150-31	A	50	8"	3	3" NPT	174.2	44.9	129.3	5.4	7.1	157	361
PE150-33	A	50	8"	3	3" NPT	178.0	44.9	133.1	5.4	7.1	167	361
PE150-24	A	50	8"	3	3" NPT	161.0	44.9	116.1	7.5	7.5	138	361
PE150-25	A	50	8"	3	3" NPT	162.9	44.9	118.0	7.5	7.5	142	361
PE150-26	A	50	8"	3	3" NPT	164.8	44.9	119.9	7.5	7.5	146	361
PE150-27	A	50	8"	3	3" NPT	166.7	44.9	121.8	7.5	7.5	150	361
PE150-28	A	50	8"	3	3" NPT	168.5	44.9	123.7	7.5	7.5	154	361
PE150-29*	B	60	8"	3	3" NPT	174.0	48.4	125.6	7.5	7.5	158	416
PE150-31*	B	60	8"	3	3" NPT	177.8	48.4	129.3	7.5	7.5	165	416
PE150-33*	B	60	8"	3	3" NPT	181.5	48.4	133.1	7.5	7.5	174	416
PE150-36*	B	75	8"	3	3" NPT	191.5	52.8	138.8	7.5	7.5	189	447
PE150-39*	B	75	8"	3	3" NPT	197.2	52.8	144.4	7.5	7.5	200	447

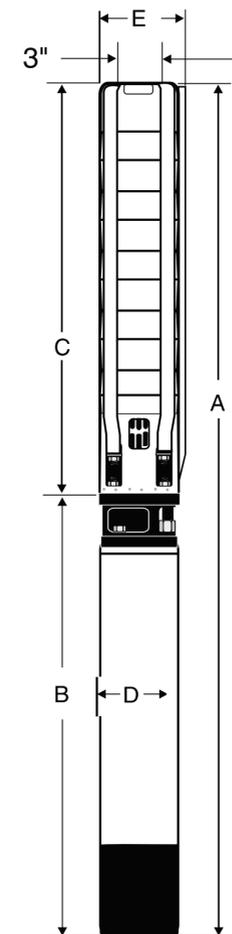


Fig. A

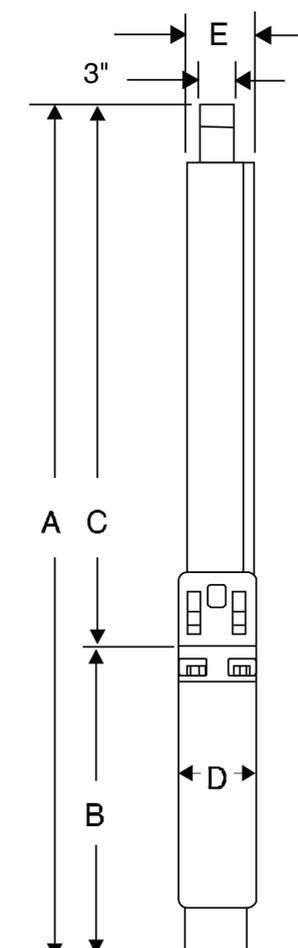


Fig. B

Notes : All models suitable for use in 6" wells, unless otherwise noted.

* Built into sleeve 3" NPT discharge, 8" min. well dia.

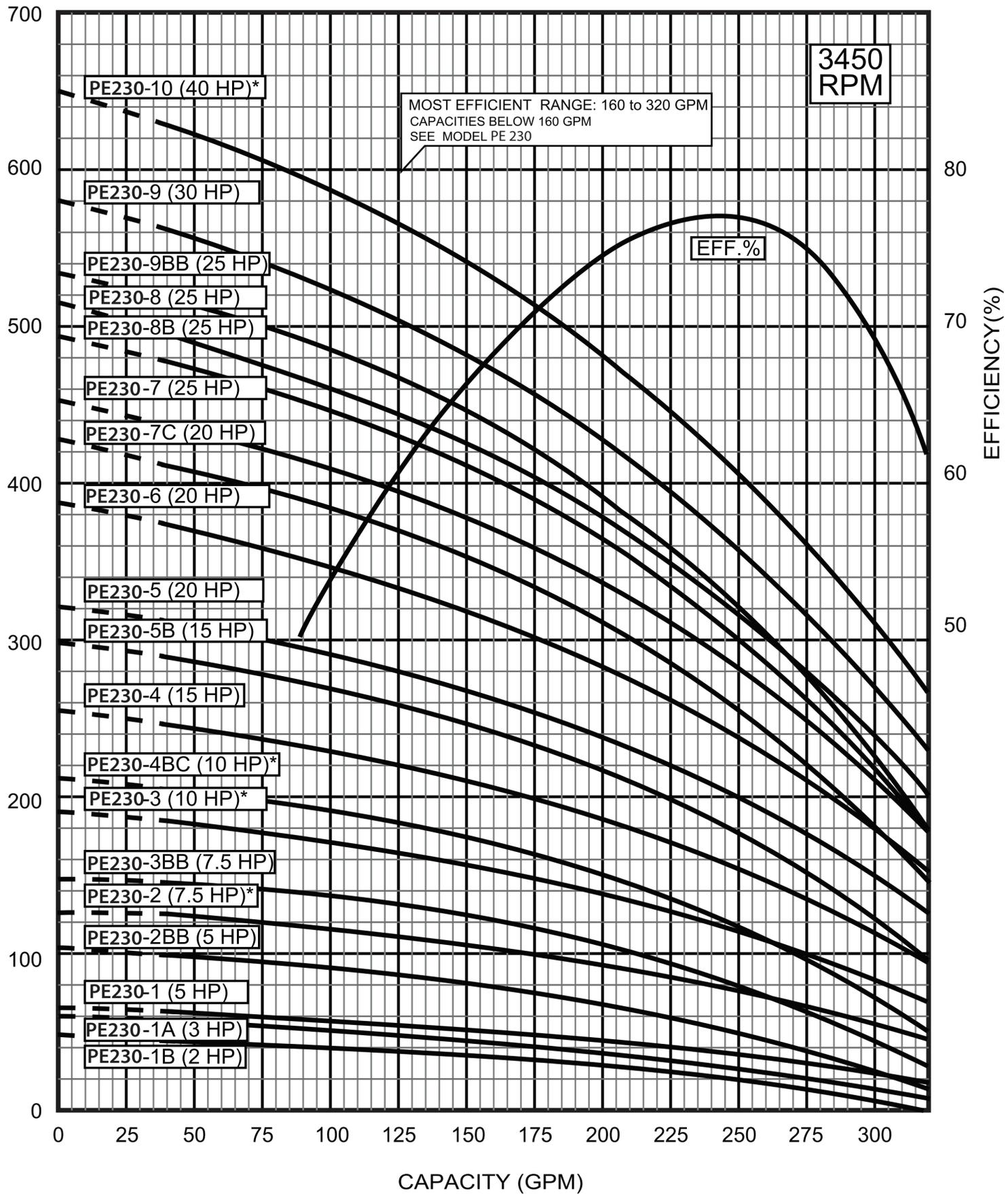
230 GPM

MODEL PE 230

FLOW RANGE: 160 -320 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"

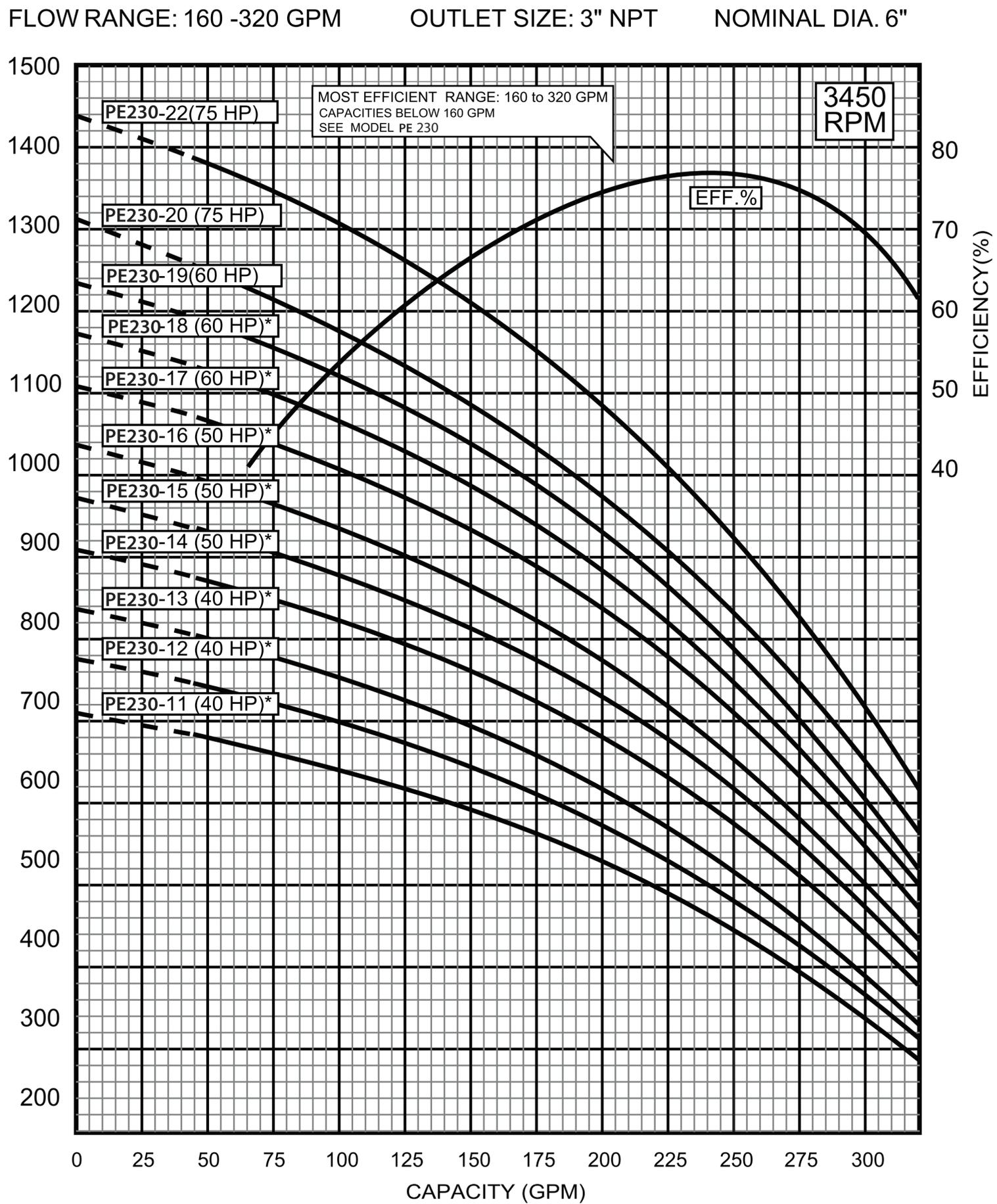


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 4" MOTOR STANDARD, 7.5 HP/3450 RPM
 6" MOTOR STANDARD, 7.5-40 HP/3450 RPM.
 8" MOTOR STANDARD, 50-75 HP/3525 RPM.
 * Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
 @ 8 ft. min. submergence.

230 GPM

MODEL PE 230



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 4" MOTOR STANDARD, 7.5 HP/3450 RPM
 6" MOTOR STANDARD, 7.5-40 HP/3450 RPM.
 8" MOTOR STANDARD, 50-75 HP/3525 RPM.
 * Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
 @ 8 ft. min. submergence.

TECHNICAL DATA

230 GPM

MODEL PE 230

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE230 1 B	A	2	4"	1	3" NPT	30.6	15.9	14.7	3.8	5.7	19	37
				3		30.6	15.9					37
PE230 1 A	A	3	4"	1	3" NPT	35.9	21.2	14.7	3.8	5.7	19	53
				3		35.9	21.2					53
PE230 1	A	5	4"	1	3" NPT	41.9	27.2	14.7	3.8	5.7	19	68
				3		37.5	22.8					57
PE230 2AB	A	5	4"	1	3" NPT	46.4	27.2	19.2	3.8	5.7	25	68
				3		42.0	22.8					57
PE230 2	A	7.5	4"	3	3" NPT	49.4	30.2	19.2	3.8	5.7	25	77
PE230 2	A	7.5	6"	3	3" NPT	43.4	24.2	19.2	5.4	5.7	25	99
PE230 3BB	A	7.5	4"	3	3" NPT	53.8	30.2	23.6	3.8	5.7	30	77
PE230 3BB	A	7.5	6"	3	3" NPT	47.8	24.2	23.6	5.4	5.7	30	99
PE230 3	A	10	4"	3	3" NPT	53.8	32.5	23.6	3.8	5.7	30	84
PE230 3	A	10	6"	3	3" NPT	50.2	25.4	24.8	5.4	5.7	36	108
PE230 4BC	A	10	4"	3	3" NPT	60.6	32.5	28.1	3.8	5.7	35	84
PE230 4BC	A	10	6"	3	3" NPT	54.5	25.5	29.1	5.4	5.7	41	108
PE230 4	A	15	6"	3	3" NPT	57.1	28.0	29.1	5.4	5.7	41	119
PE230 5B	A	15	6"	3	3" NPT	61.4	28.0	33.3	5.4	5.7	46	119
PE230 5	A	20	6"	3	3" NPT	63.8	30.5	33.3	5.4	5.7	46	132
PE230 6	A	20	6"	3	3" NPT	68.1	30.5	37.6	5.4	5.7	51	132
PE230 7C	A	20	6"	3	3" NPT	72.4	30.5	41.9	5.4	5.7	55	132
PE230 7	A	25	6"	3	3" NPT	75.1	33.1	41.9	5.4	5.7	55	145
PE230 8B	A	25	6"	3	3" NPT	79.4	33.1	46.2	5.4	5.7	60	145
PE230 8	A	25	6"	3	3" NPT	79.4	33.1	46.2	5.4	5.7	60	145
PE230 9BB	A	25	6"	3	3" NPT	83.6	33.1	50.5	5.4	5.7	65	145
PE230 9	A	30	6"	3	3" NPT	86.2	35.7	50.5	5.4	5.7	65	158
PE230 10*	A	40	6"	3	3" NPT	98.1	43.3	54.8	5.4	5.7	70	220
PE230 11*	A	40	6"	3	3" NPT	102.4	43.3	59.1	5.4	5.7	75	220
PE230 12*	A	40	6"	3	3" NPT	106.6	43.3	63.4	5.4	5.7	80	220
PE230 13*	A	40	6"	3	3" NPT	110.9	43.3	67.7	5.4	5.7	85	220
PE230 14*	A	50	6"	3	3" NPT	130.5	58.5	72.0	5.4	5.7	90	308
PE230 15*	A	50	6"	3	3" NPT	134.8	58.5	76.3	5.4	5.7	95	308
PE230 16*	A	50	6"	3	3" NPT	139.1	58.5	80.6	5.4	5.7	99	308
PE230 17*	A	60	6"	3	3" NPT	133.3	48.4	84.8	5.4	5.7	105	416
PE230 18*	A	60	6"	3	3" NPT	137.6	48.4	89.1	5.4	5.7	110	416
PE230 19*	A	60	6"	3	3" NPT	141.8	48.4	93.4	5.4	5.7	114	416
PE230 17	A	60	8"	3	3" NPT	135.8	48.4	87.4	7.5	7.6	113	416
PE230 18	A	60	8"	3	3" NPT	140.2	48.4	91.8	7.5	7.6	119	416
PE230 19	A	60	8"	3	3" NPT	144.7	48.4	96.3	7.5	7.6	124	416
PE230 20**	B	75	8"	3	4" M-NPT	153.5	52.8	100.7	7.5	7.6	131	447
PE230 20**	B	75	8"	3	4" M-NPT	162.4	52.8	109.6	7.5	7.6	140	447

NOTES: All models suitable for use in 6" wells, unless equipped with 8" motor.
 * Alternate motor sizes available.
 ** Built into sleeve, 4" NPT, 8" motor required.

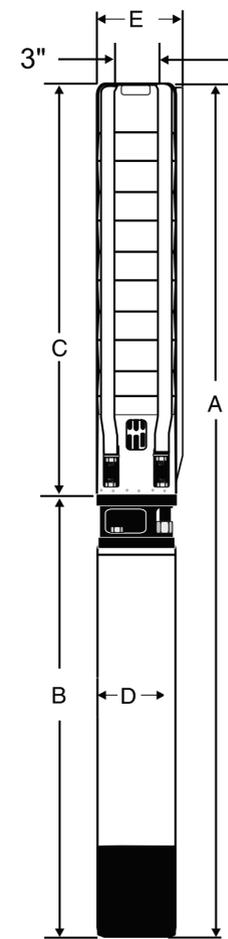


Fig. A

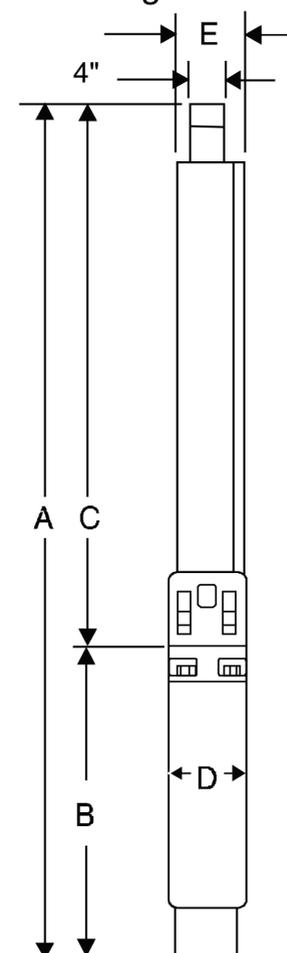


Fig. B

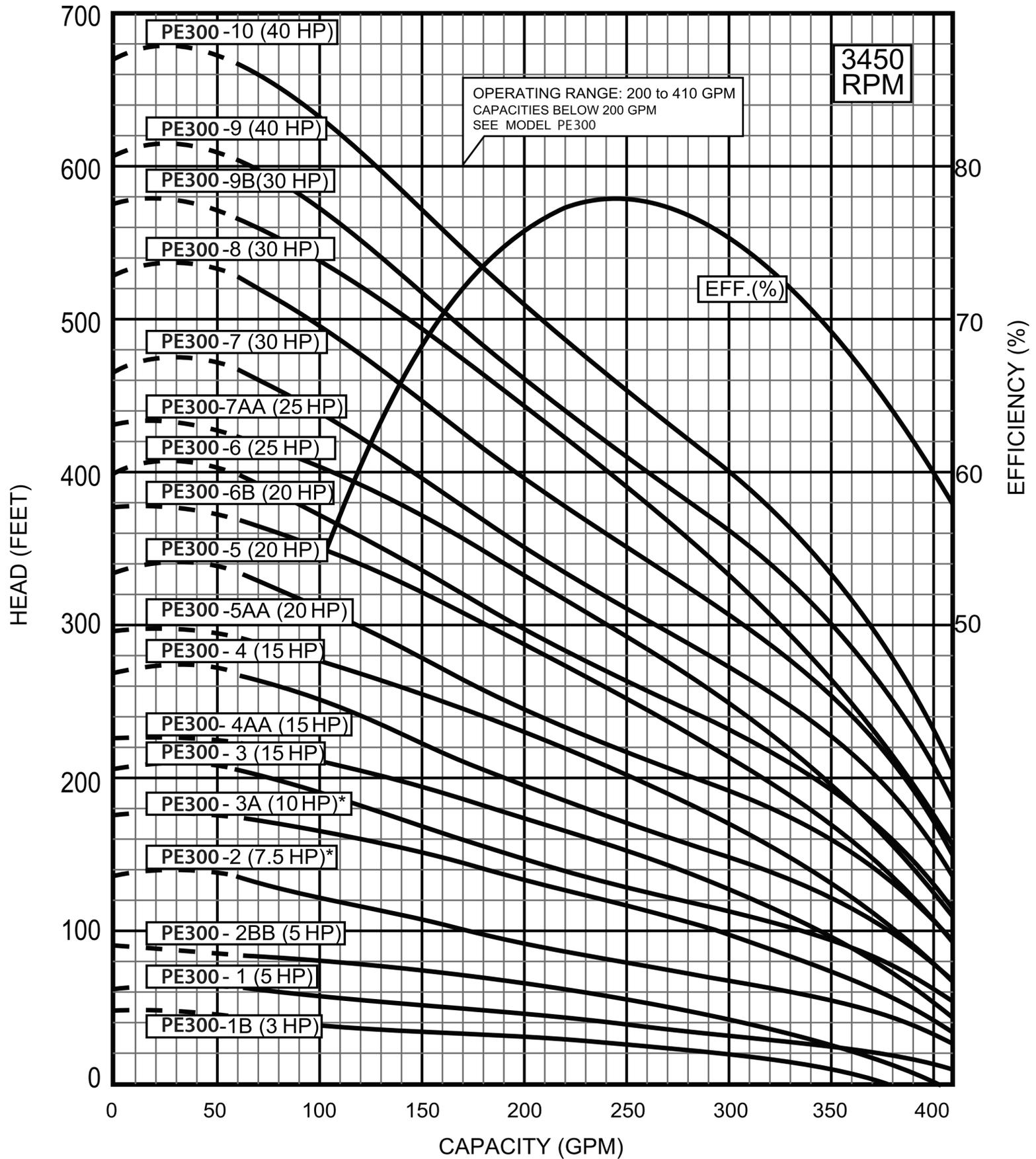
300 GPM

MODEL PE 300

FLOW RANGE: 60 - 410 GPM

OUTLET SIZE: 3"& 4" NPT*

NOMINAL DIA. 6"



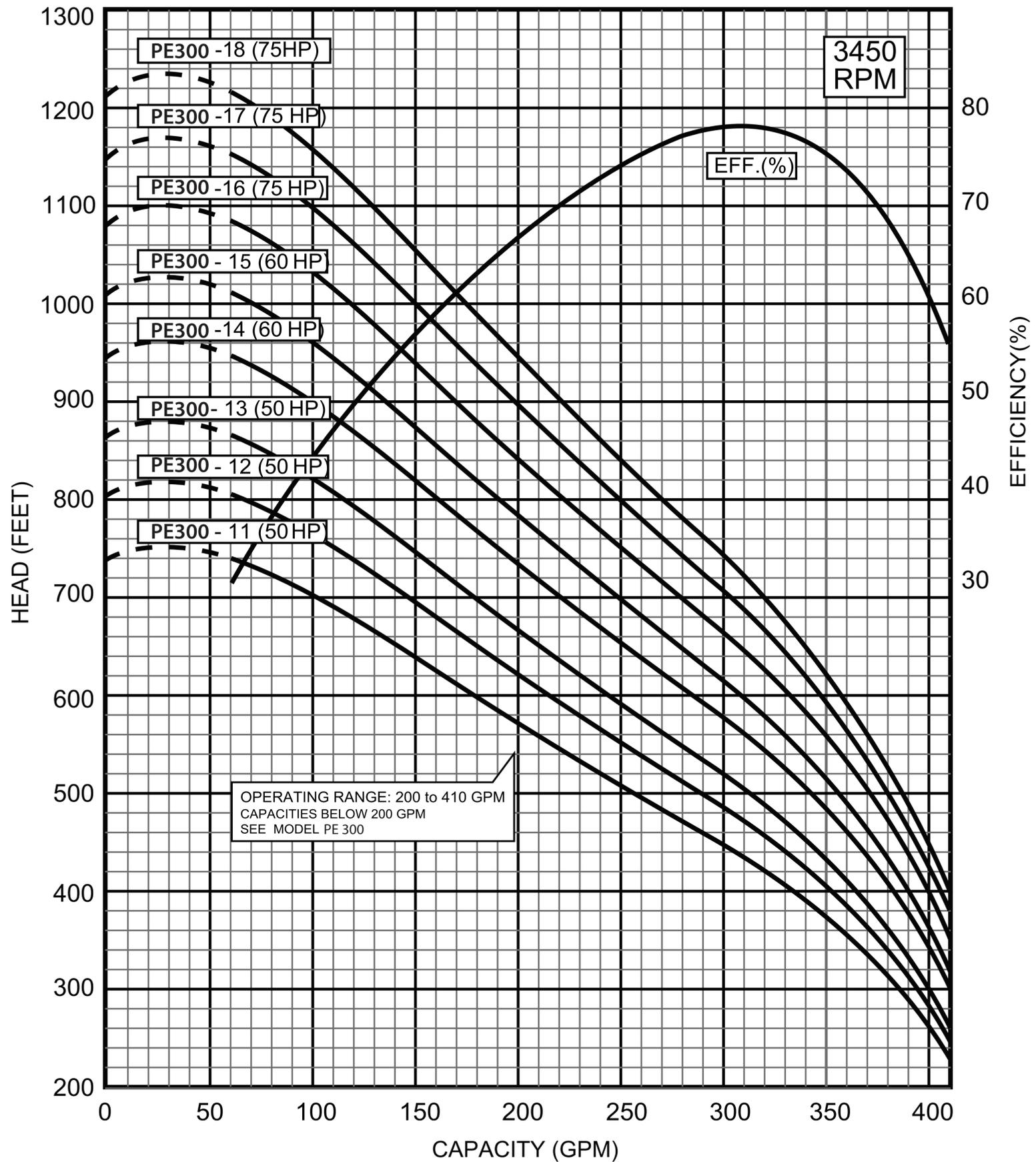
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 4" MOTOR STANDARD, 7.5 HP/3450 RPM.
 6" MOTOR STANDARD, 15-50 HP/3450 RPM.
 8" MOTOR STANDARD, 60-75 HP/3525 RPM.
 * 3" NPT 2-7 STAGES, 4" NPT 8-18 STAGES.

Performance conforms to ISO 9906 Annex A
 @ 8 ft. min. submergence.

300 GPM

MODEL PE 300

FLOW RANGE: 60 - 410 GPM OUTLET SIZE: 3"& 4" NPT* NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 4" MOTOR STANDARD, 7.5 HP/3450 RPM.
 6" MOTOR STANDARD, 15-50 HP/3450 RPM.
 8" MOTOR STANDARD, 60-75 HP/3525 RPM.
 * 3" NPT 2-7 STAGES, 4" NPT 8-18 STAGES.

Performance conforms to ISO 9906 Annex A
 @ 8 ft. min. submergence.

TECHNICAL DATA

300 GPM

MODEL PE 300

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
PE 300 1B	A	3	4"	1	3" NPT	35.6	21.2	14.4	3.8	5.7	20	53
				3		35.6	21.2					53
PE 300 1	A	5	4"	1	3" NPT	41.6	27.2	14.4	3.8	5.7	20	68
				3		37.2	22.8					57
PE 300 2BB	A	5	4"	1	3" NPT	46.4	27.2	19.2	3.8	5.7	27	68
				3		42.0	22.8					57
PE 300 2	A	7.5	4"	3	3" NPT	49.4	30.2	19.2	3.8	5.7	27	77
PE 300 2*	A	7.5	6"	3	3" NPT	43.9	24.2	19.7	5.4	5.7	31	99
PE 300 3A	A	10	4"	3	3" NPT	54.1	30.2	23.9	3.8	5.7	35	84
PE 300 3A	A	10	6"	3	3" NPT	49.6	25.5	24.2	5.4	5.7	37	108
PE 300 3	A	15	6"	3	3" NPT	52.2	28.0	24.2	5.4	5.7	37	119
PE 300 4AA	A	15	6"	3	3" NPT	56.6	28.0	28.6	5.4	5.7	43	119
PE 300 4	A	15	6"	3	3" NPT	56.6	28.0	28.6	5.4	5.7	43	119
PE 300 5AA	A	20	6"	3	3" NPT	63.6	30.6	33.0	5.4	5.7	49	132
PE 300 5	A	20	6"	3	3" NPT	63.6	30.6	33.0	5.4	5.7	49	132
PE 300 6B	A	20	6"	3	3" NPT	68.0	30.6	37.4	5.4	5.7	54	132
PE 300 6	A	25	6"	3	3" NPT	65.5	28.0	37.4	5.4	5.7	54	145
PE 300 7AA	A	25	6"	3	3" NPT	69.9	28.0	41.9	5.4	5.7	59	145
PE 300 7	A	30	6"	3	4" NPT	77.6	35.7	41.9	5.4	5.7	59	158
PE 300 8	A	30	6"	3	4" NPT	82.0	35.7	46.3	5.4	5.7	65	158
PE 300 9B	A	30	6"	3	4" NPT	86.4	35.7	50.7	5.4	5.7	70	158
PE 300 9*	A	40	6"	3	4" NPT	94.0	43.3	50.7	5.4	5.7	70	220
PE 300 10*	A	40	6"	3	4" NPT	98.4	43.3	55.2	5.4	5.7	75	220
PE 300 11*	A	50	6"	3	4" NPT	104.5	44.9	59.6	5.4	5.7	81	361
PE 300 12*	A	50	6"	3	4" NPT	108.9	44.9	64.0	5.4	5.7	82	361
PE 300 13*	A	50	6"	3	4" NPT	113.3	44.9	68.4	5.4	5.7	93	361
PE 300 14*	A	60	6"	3	4" NPT	121.3	48.4	72.9	5.4	7.1	98	416
PE 300 15*	A	60	6"	3	4" NPT	125.7	48.4	77.3	7.5	7.1	103	416
PE 300 16*	A	75	8"	3	4" NPT	135.7	52.8	82.9	7.5	7.1	107	447
PE 300 17*	A	75	8"	3	4" NPT	140.1	52.8	87.4	7.5	7.1	112	447
PE 300 18	A	75	8"	3	4" NPT	144.6	52.8	91.8	7.5	7.1	119	447

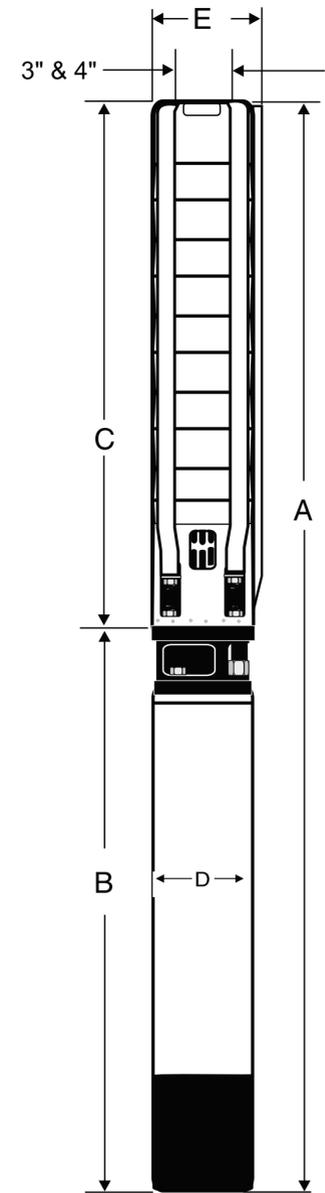


Fig. A

NOTES: Models 2-15 Stgs. are suitable for use in 6" wells, 16-18 Stgs. are suitable for use in 8" wells.

* Alternate motor sizes available.

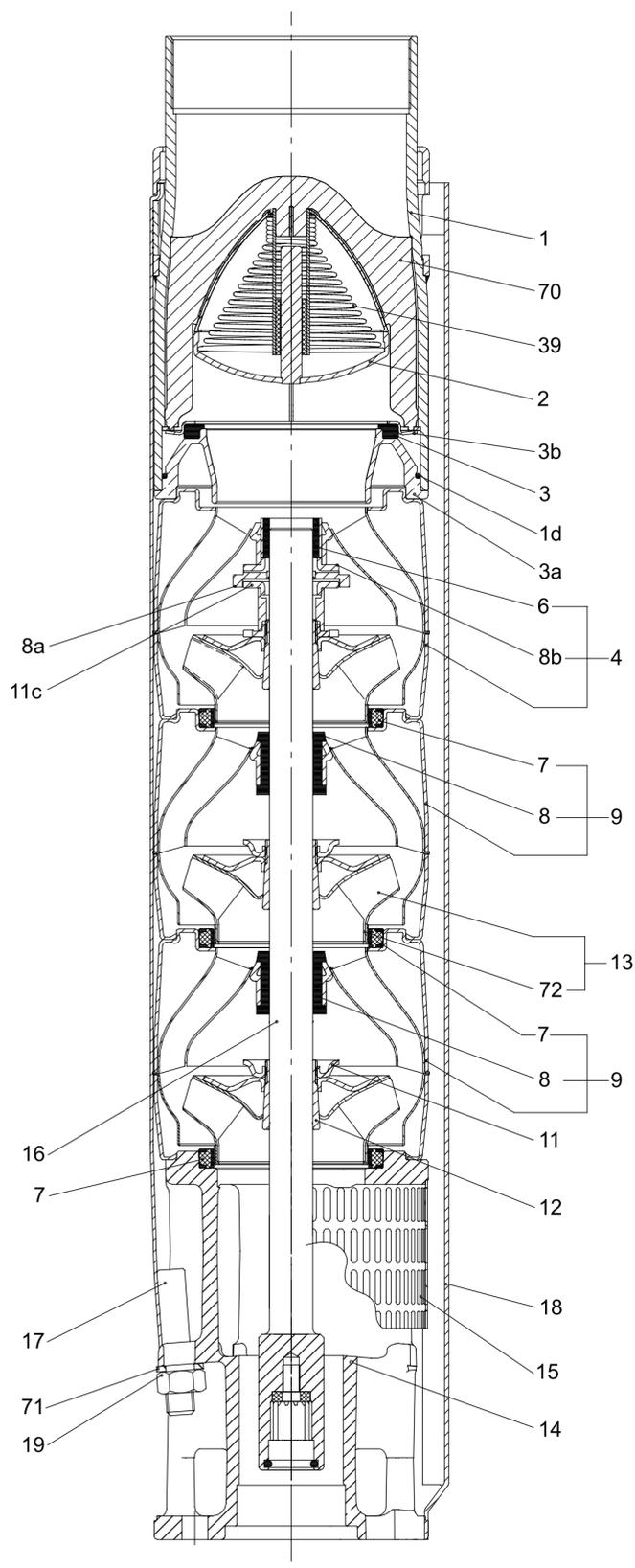
Performance Curve And Technical Data

8- Inch Submersibles



8-inch Submersibles

Sectional drawing, PE Pump 8" smooth shaft (PE 385- PE475)



Material specification

Pos.	Component	Materials	Standard	N	R
			[AISI (EN)]		
1	Valve casing	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
1d	O-ring	NBR			
2	Valve cup	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
3	Valve seat	Standard/ N- version: NBR R-version: FKM			
3a	Lower valve seat retainer	Stainless steel	316 (1.4401)	316 (1.4401)	904L (1.4517)
3b	Upper valve seat retainer	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
4	Top chamber	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
6	Upper bearing	Stainless steel/NBR	304 (1.4301)	316 (1.4401)	904L (1.4539)
7	Neck ring	NBR/PPS			
8	Bearing	NBR			
8a	Washer for stop ring	Carbon/ graphite HY22 in PTFE mass			
8b	Stop ring	Stainless steel	316 (1.4401)	316 (1.4401)	904L (1.4539)
9	Chamber	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
11	Split cone nut	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
11c	Nut for stop ring	Stainless steel	316 (1.4401)	316 (1.4401)	904L (1.4539)
12	Split cone	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
13	Impeller	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
14	Suction interconnector	Stainless steel	CF8M	A744 CD4-MCu	904L (1.4517)
15	Strainer	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
16	Shaft complete	Stainless steel	431 (1.4057)	329 (1.4460)	329 (1.4460)
17	Strap	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
18	Cable guard	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
19	Nut for strap	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
39	Spring for valve cup	Stainless steel	304 (1.4301)	316 (1.4401)	SAF 2205
70	Valve guide	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)
71	Washer	Stainless steel	316 (1.4401)	316 (1.4401)	904L (1.4539)
72	Wear ring	Stainless steel	304 (1.4301)	316 (1.4401)	904L (1.4539)

Fig. 16 PE pump, 8" (PE385 - PE475)

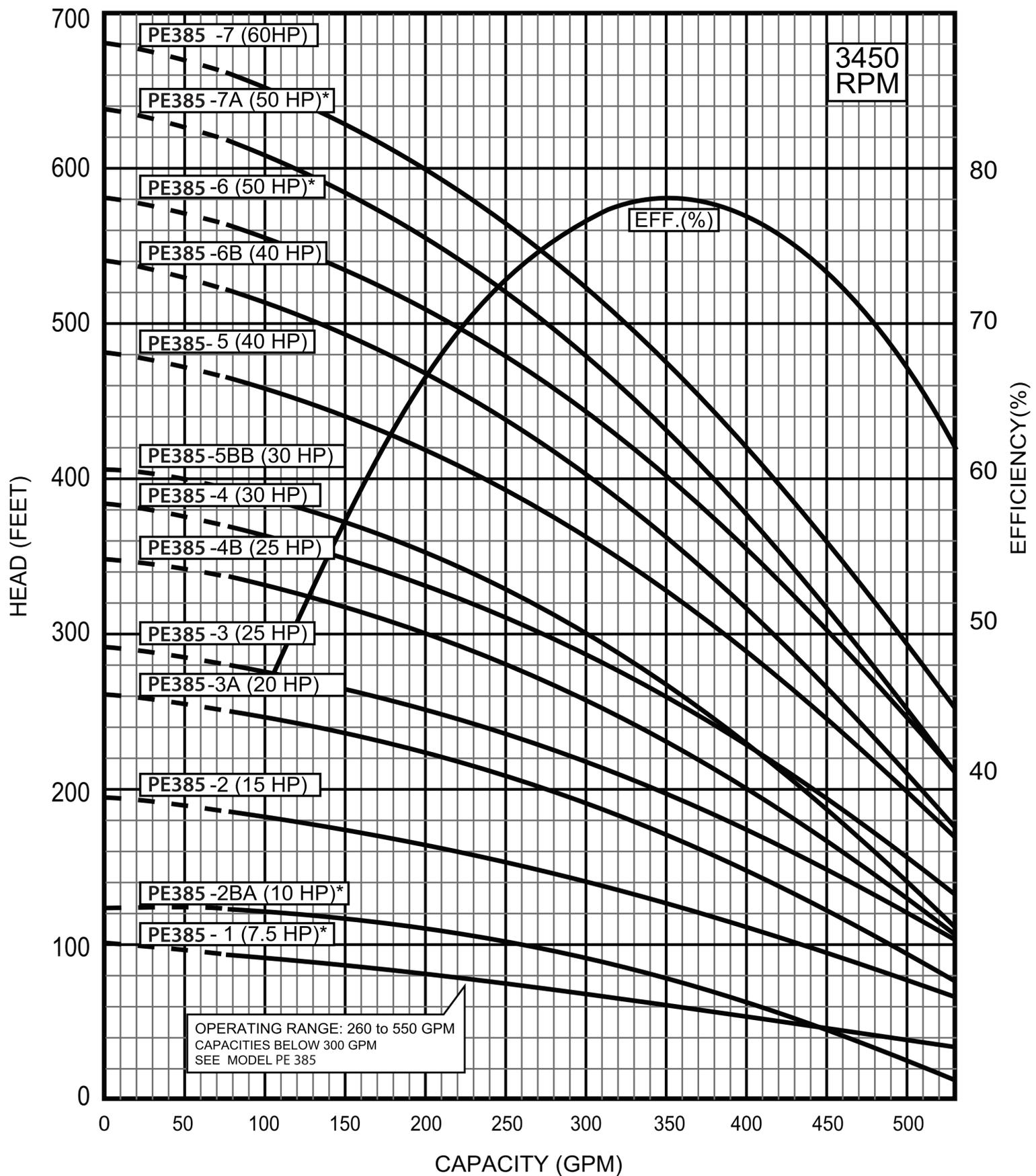
385 GPM

MODEL PE 385

FLOW RANGE: 75 - 550 GPM

OUTLET SIZE: 5" NPT

NOMINAL DIA. 8"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
6" MOTOR STANDARD, 10-60 HP/3450 RPM.
8" MOTOR STANDARD, 75-100 HP/3525 RPM.
* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 8 ft. min. submergence.

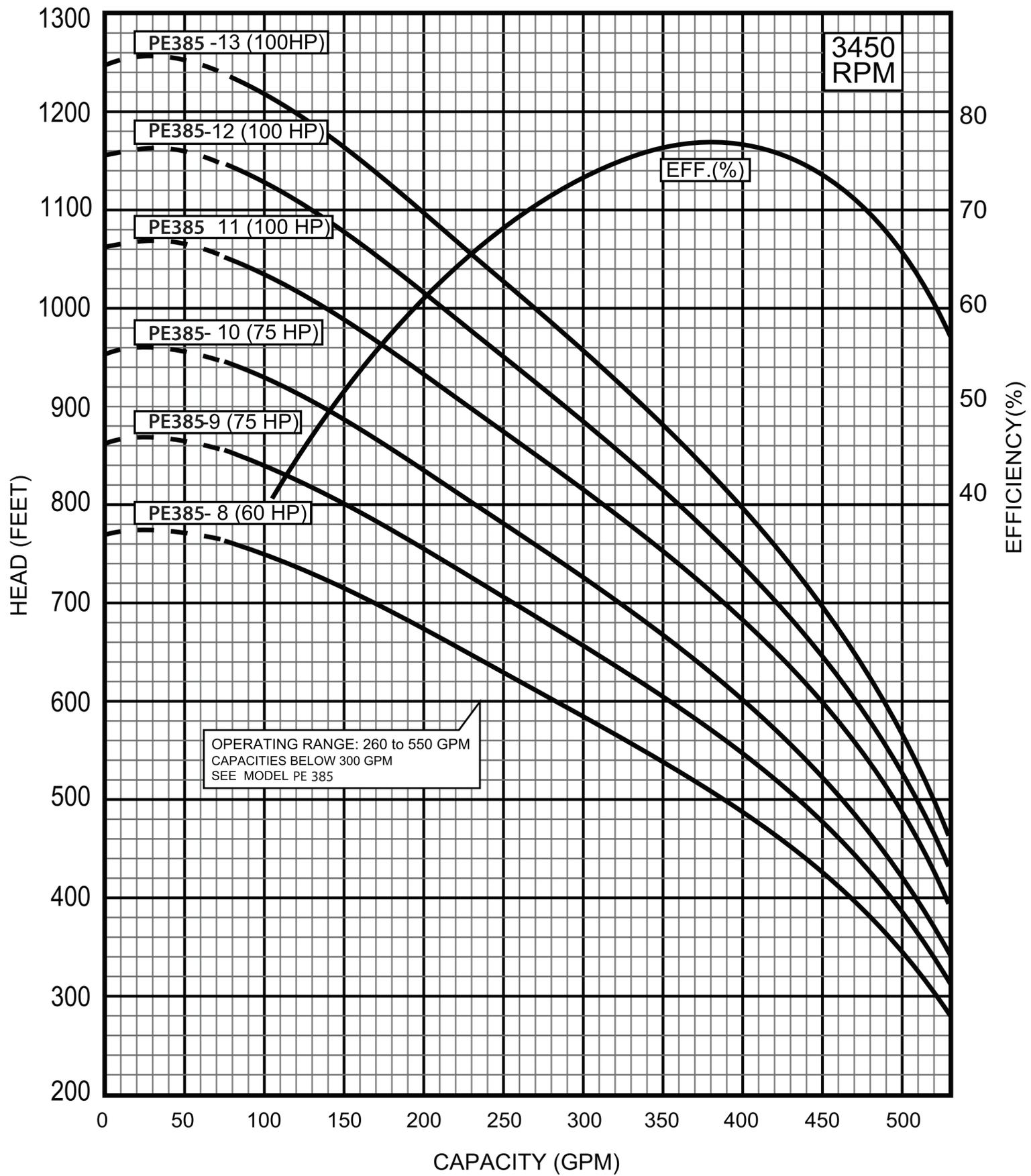
385 GPM

MODEL PE 385

FLOW RANGE: 75 - 550 GPM

OUTLET SIZE: 5" NPT

NOMINAL DIA. 8"



OPERATING RANGE: 260 to 550 GPM
CAPACITIES BELOW 300 GPM
SEE MODEL PE 385

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
6" MOTOR STANDARD, 10-60 HP/3450 RPM.
8" MOTOR STANDARD, 75-100 HP/3525 RPM.
* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 8 ft. min. submergence.

TECHNICAL DATA

385 GPM

MODEL PE 385

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
					A	B	C	D	E	PUMP	MOTOR
PE385-1	A	7.5	6"	5" NPT	48.8	24.2	24.6	5.4	7.0	51	99
PE385-2BA	A	10	6"	5" NPT	55.1	25.5	29.6	5.4	7.0	59	108
PE385-2	A	15	6"	5" NPT	57.6	28.0	29.6	5.4	7.0	59	119
PE385-3A	A	20	6"	4" NPT	65.2	30.6	34.6	5.4	7.0	69	132
PE385-3	A	25	6"	5" NPT	67.8	33.1	34.6	5.4	7.0	69	145
PE385-4B	A	25	6"	5" NPT	72.8	33.1	39.7	5.4	7.0	78	145
PE385-4	A	30	6"	5" NPT	75.4	35.7	39.7	5.4	7.0	86	158
PE385-5BB	A	30	6"	5" NPT	80.4	35.7	44.7	5.4	7.0	91	158
PE385-5*	A	40	6"	5" NPT	88.0	43.3	44.7	5.4	7.0	93	220
PE385-6B	A	40	6"	5" NPT	93.0	43.3	49.8	5.4	7.0	103	220
PE385-6*	A	50	6"	5" NPT	108.3	58.5	49.8	5.4	7.0	105	308
PE385-7A	A	50	6"	5" NPT	113.3	58.5	54.8	5.4	7.0	114	308
PE385-7*	A	60	6"	5" NPT	119.4	64.6	54.8	5.4	7.0	114	352
PE385-8*	A	60	6"	5" NPT	124.4	64.6	59.8	5.4	7.0	124	352
PE385-9	A	75	8"	5" NPT	118.2	52.8	65.5	7.6	7.7	144	447
PE385-10	A	75	8"	5" NPT	123.3	52.8	70.5	7.6	7.7	154	447
PE385-11	A	100	8"	5" NPT	137.0	61.4	75.6	7.6	7.7	164	642
PE385-12	A	100	8"	5" NPT	142.0	61.4	80.6	7.6	7.7	174	642
PE385-13	A	100	8"	5" NPT	149.7	64.1	85.6	7.6	7.7	185	642

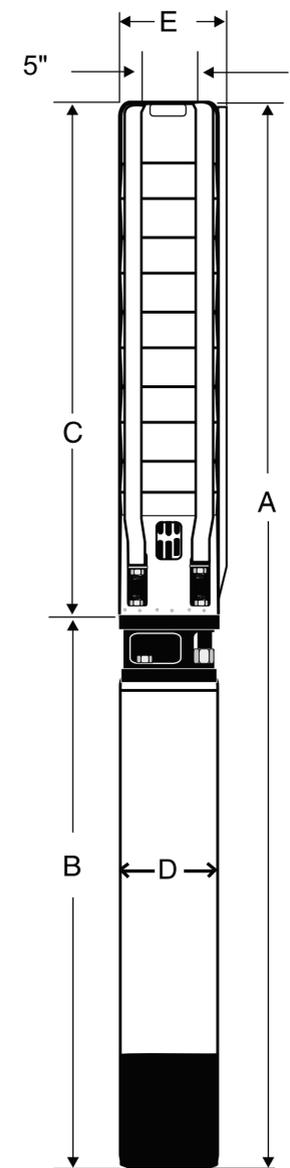


Fig. A

NOTES: All models suitable for use in 8" wells, unless otherwise noted.

*Alternate motor sizes available.

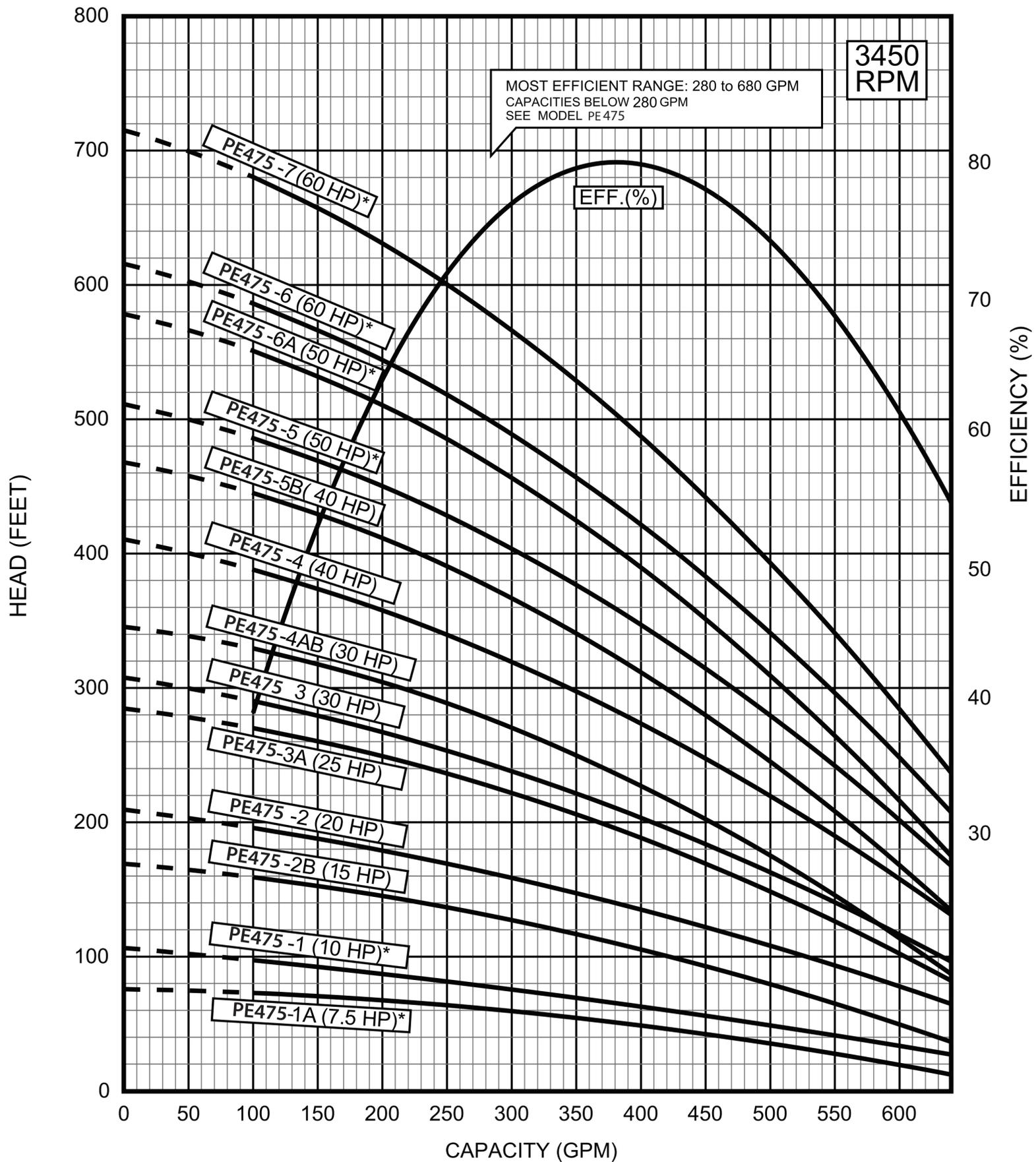
475 GPM

MODEL PE 475

FLOW RANGE: 95 - 680 GPM

OUTLET SIZE: 5" NPT

NOMINAL DIA. 8"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 10-60 HP/3450 RPM.
 8" MOTOR STANDARD, 75-125 HP/3525 RPM.
 * Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
 @ 8 ft. min. submergence.

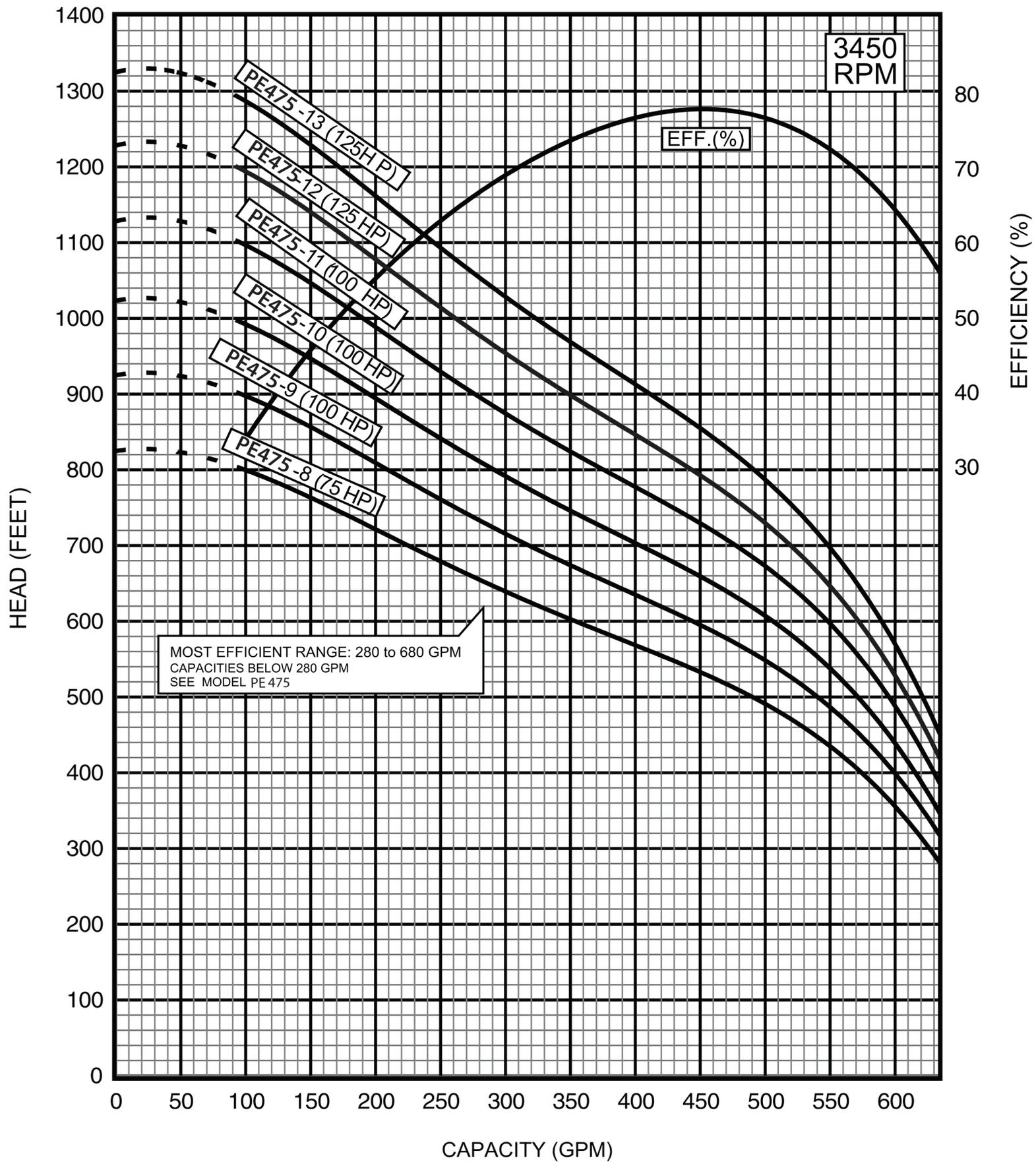
475 GPM

MODEL PE 475

FLOW RANGE: 95 - 680 GPM

OUTLET SIZE: 5" NPT

NOMINAL DIA. 8"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 10-60 HP/3450 RPM.
 8" MOTOR STANDARD, 75-125 HP/3525 RPM.
 * Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
 @ 8 ft. min. submergence.

TECHNICAL DATA

475 GPM

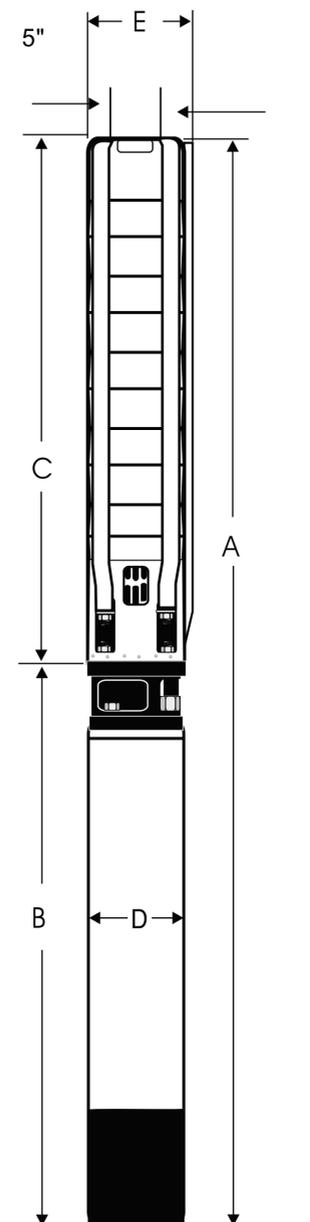
MODEL PE 475

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
					A	B	C	D	E	PUMP	MOTOR
PE475-1A	A	7.5	6"	5" NPT	48.8	24.2	24.6	5.4	7.0	51	99
PE475-1	A	10	6"	5" NPT	50.0	25.5	24.6	5.4	7.0	51	108
PE475-2B	A	15	6"	5" NPT	57.6	28.0	29.6	5.4	7.0	59	119
PE475-2	A	20	6"	5" NPT	60.2	30.6	29.6	5.4	7.0	59	132
PE475-3A	A	25	6"	5" NPT	67.8	33.1	34.6	5.4	7.0	69	145
PE475-3	A	30	6"	5" NPT	70.3	35.7	34.6	5.4	7.0	69	158
PE475-4AB	A	30	6"	5" NPT	75.4	35.7	39.7	5.4	7.0	78	158
PE475-4*	A	40	6"	5" NPT	82.9	43.3	39.7	5.4	7.0	78	220
PE475-5B	A	40	6"	5" NPT	88.0	43.3	44.7	5.4	7.0	90	220
PE475-5*	A	50	6"	5" NPT	103.3	58.5	44.7	5.4	7.0	90	308
PE475-6A*	A	50	6"	5" NPT	108.3	58.5	49.8	5.4	7.0	103	308
PE475-6*	A	60	8"	5" NPT	146.8	48.4	98.3	7.6	7.7	116	416
PE475-7*	A	60	8"	5" NPT	154.7	48.4	106.3	7.6	7.7	126	416
PE475-8	A	75	8"	5" NPT	166.9	52.8	114.2	7.6	7.7	136	447
PE475-9	A	100	8"	5" NPT	183.5	61.4	122.1	7.6	7.7	144	642
PE475-10	A	100	8"	5" NPT	191.4	61.4	130.0	7.6	7.7	154	642
PE475-11	A	100	8"	5" NPT	199.3	61.4	137.9	7.6	7.7	164	642
PE475-12	A	125	8"	5" NPT	214.4	68.5	145.9	7.6	7.7	174	642
PE475-13	A	125	8"	5" NPT	222.3	68.5	153.8	7.6	7.7	185	642
Pipe Adapter	A										

NOTES: All models suitable for use in 8" wells, unless otherwise noted.

*Alternate motors sizes available.



Performance Curve And Technical Data 10-Inch Submersibles



10-inch Submersibles

Sectional drawing, PE Pump 10" smooth shaft (PE 625 - PE1100)

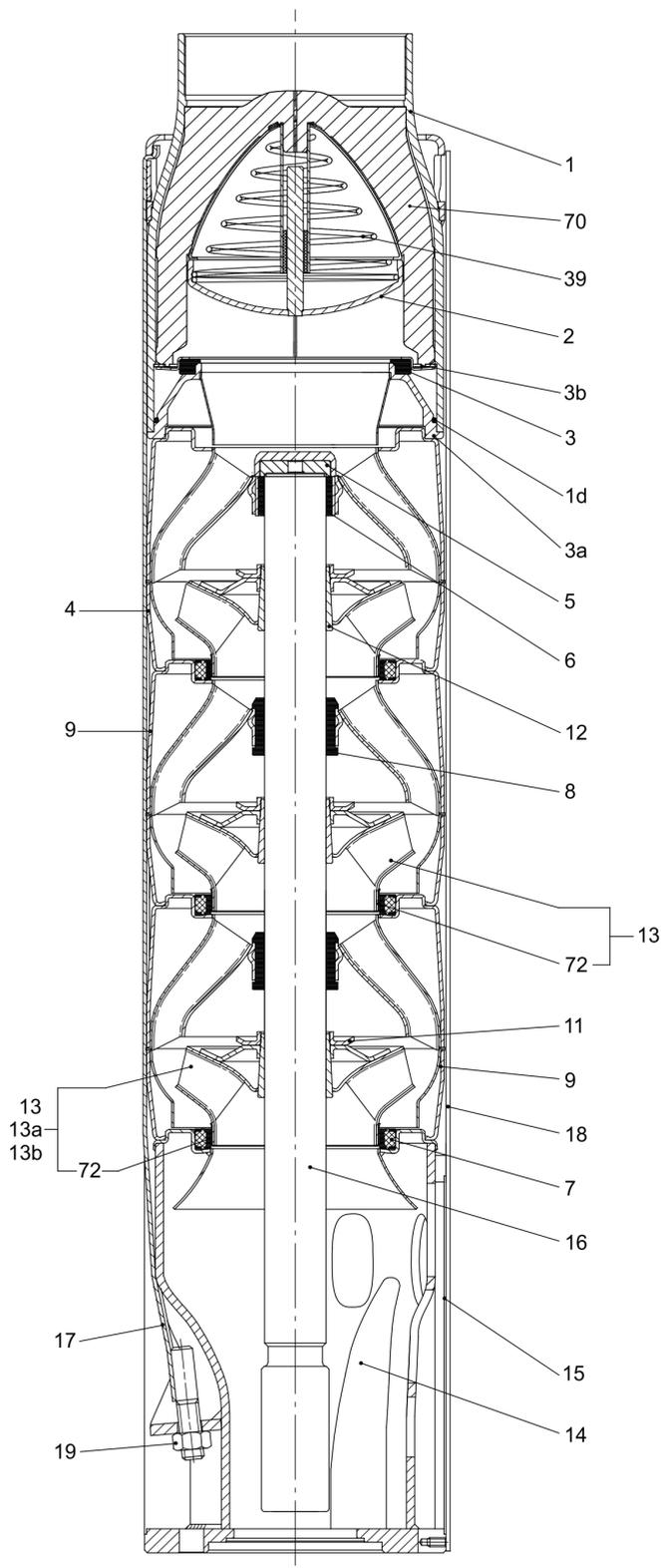


Fig. 17 PE pump, 10" (PE625 - PE1100)

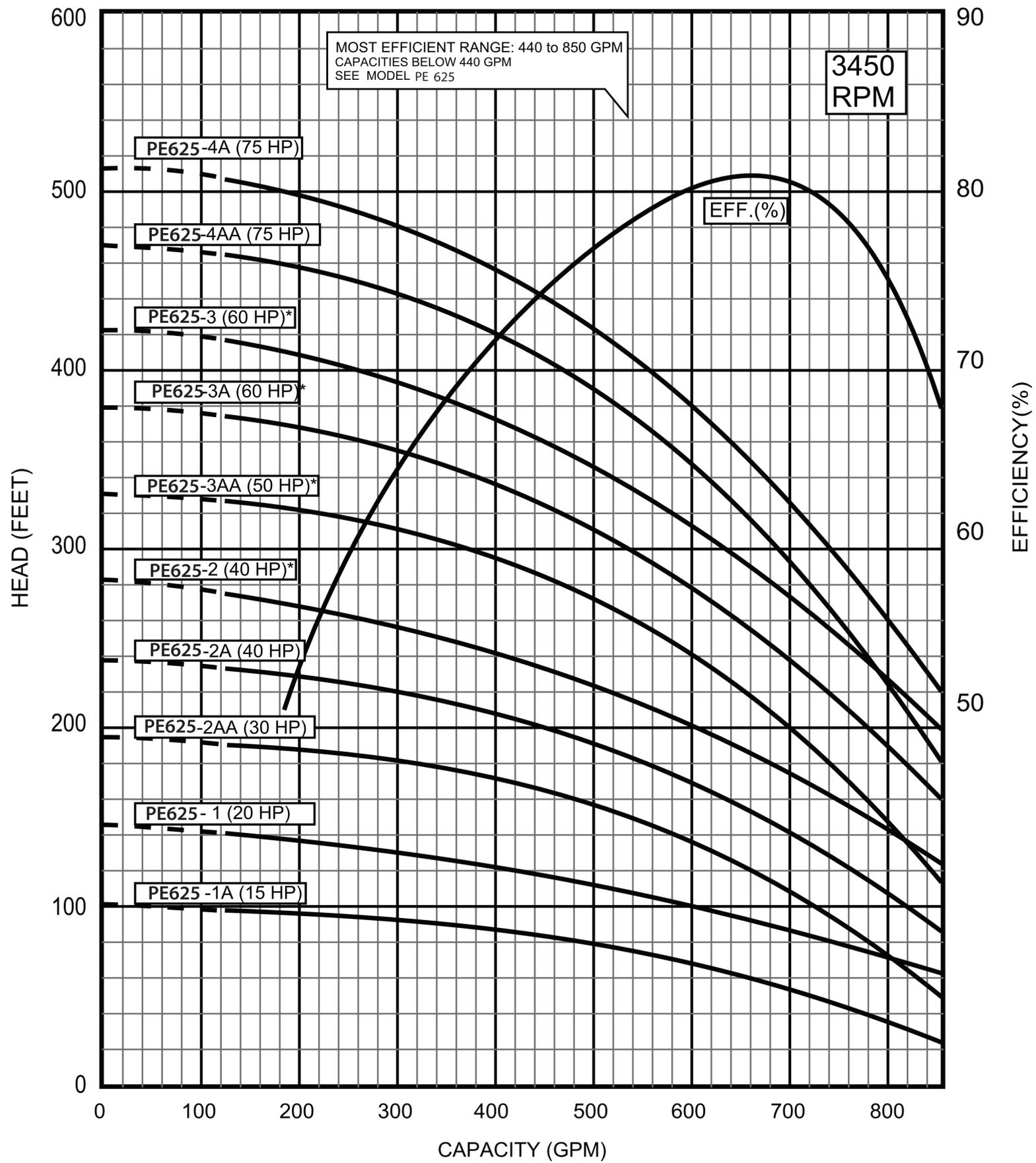
Material specification

Pos.	Description	Material	Standard	N
			[AISI (EN)]	
Valve casing				
1	Valve casing	Stainless steel	304 (1.4301)	316 (1.4401)
1d	O-ring	NBR		
2	Valve cup	Stainless steel	304 (1.4301)	316 (1.4401)
3	Valve seat	Stainless steel	304 (1.4301)	316 (1.4401)
3a	Lower valve seat retainer	Stainless steel	304 (1.4301)	316 (1.4401)
3b	Upper valve seat retainer	Stainless steel	304 (1.4301)	316 (1.4401)
39	Spring for valve cup	Stainless steel	301 (1.4310)	316 (1.4401)
70	Valve guide	Stainless steel	304 (1.4301)	316 (1.4401)
78	Nameplate	Stainless steel	304 (1.4301)	316 (1.4401)
79	Rivet	Stainless steel	304 (1.4301)	316 (1.4401)
63	Connecting piece	Stainless steel	304 (1.4301)	316 (1.4401)
Chamber stack				
4	Top chamber	Stainless steel	304 (1.4301)	316 (1.4401)
5	Upthrust disc	Carbon/ graphite HY22 in PTFE mass		
6	Top bearing	Stainless steel/ NBR	304 (1.4301)	316 (1.4401)
7	Neck ring	NBR/PPS		
8	Bearing	NBR		
9	Chamber	Stainless steel	304 (1.4301)	316 (1.4401)
11	Nut for split cone	Stainless steel	304 (1.4301)	316 (1.4401)
12	Split cone	Stainless steel	304 (1.4301)	316 (1.4401)
13	Impeller	Stainless steel	304 (1.4301)	316 (1.4401)
16	Shaft with coupling	Stainless steel	431 (1.4057)	329 (1.4460)
18	Cable guard	Stainless steel	304 (1.4301)	316 (1.4401)
18a, 18b	Screw for cable guard	Stainless steel	304 (1.4301)	316 (1.4401)
23	Rubber guard	NBR		
72	Wear ring	Stainless steel	304 (1.4301)	316 (1.4401)
Suction interconnector				
14	Suction interconnector	Stainless steel	304 (1.4301)	316 (1.4401)
15	Strainer	Stainless steel	304 (1.4301)	316 (1.4401)
17	Strap	Stainless steel	304 (1.4301)	316 (1.4401)
19	Nut for strap	Stainless steel	304 (1.4301)	316 (1.4401)
19a	Nut	Stainless steel	316 (1.4401)	316 (1.4401)
20	Motor cable			
22	Bolts	Stainless steel	316 (1.4401)	316 (1.4401)
28, 28a	Lock for strainer	Stainless steel	329 (1.4460)	329 (1.4460)

625 GPM

MODEL PE 625

FLOW RANGE: 125 - 850 GPM OUTLET SIZE: 6" NPT NOMINAL DIA. 10"



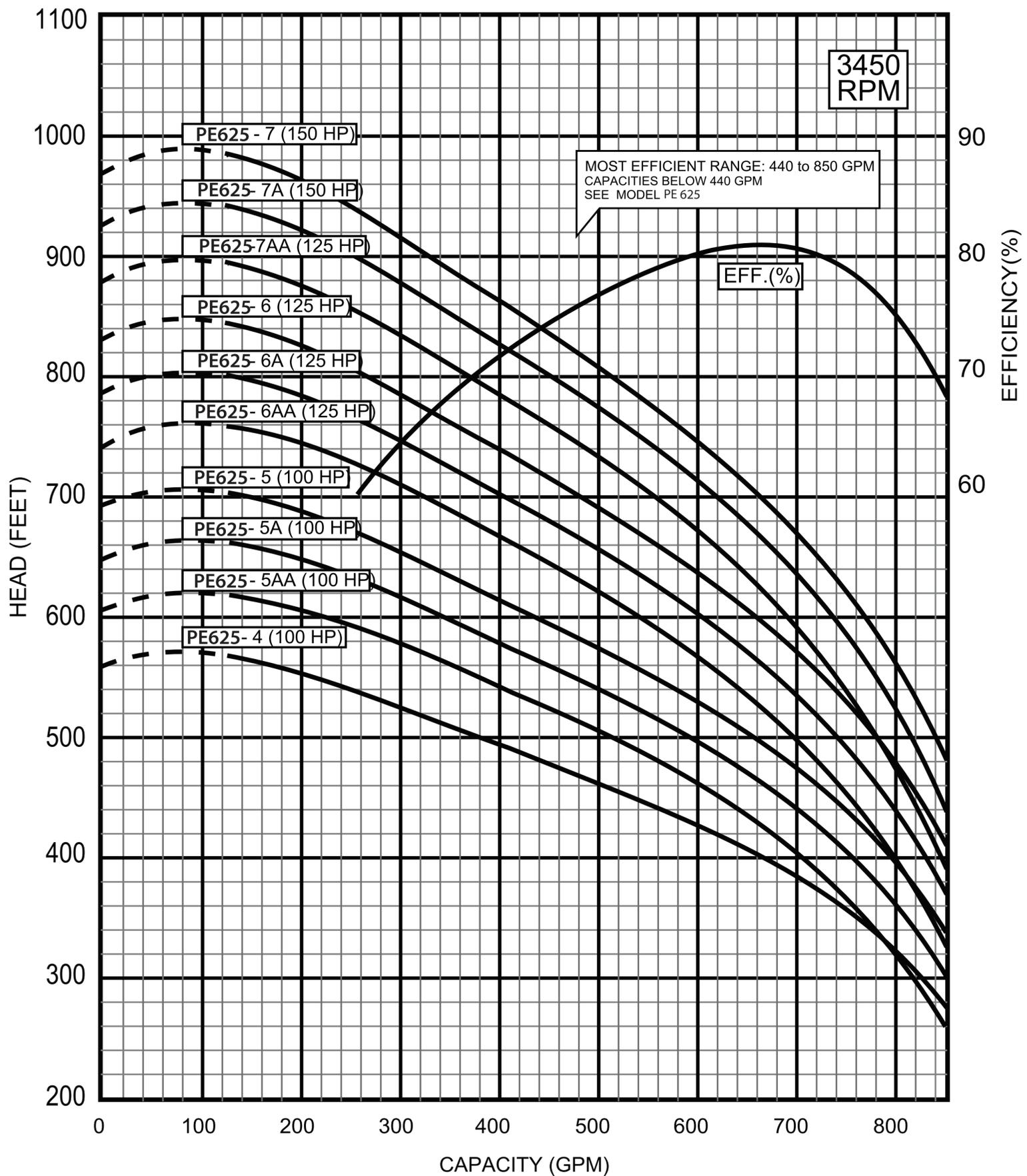
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
6" MOTOR STANDARD, 15-60 HP/3450 RPM.
8" MOTOR STANDARD, 75-150 HP/3525 RPM.
* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 10 ft. min. submergence.

625 GPM

MODEL PE 625

FLOW RANGE: 125 - 850 GPM OUTLET SIZE: 6" NPT NOMINAL DIA. 10"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
6" MOTOR STANDARD, 15-60 HP/3450 RPM.
8" MOTOR STANDARD, 75-150 HP/3525 RPM.
* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 10 ft. min. submergence.

TECHNICAL DATA

625 GPM

MODEL PE 625

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
					A	B	C	D	E	PUMP	MOTOR
PE625-1A	A	15	6"	6" NPT	53.5	28.0	25.5	5.4	8.3	64	119
PE625-1	A	20	6"	6" NPT	56.1	30.6	25.5	5.4	8.3	64	132
PE625-2AA	A	30	6"	6" NPT	67.4	35.7	31.7	5.4	8.3	78	158
PE625-2A	A	40	6"	6" NPT	74.9	43.3	31.7	5.4	8.3	78	220
PE625-2*	A	50	6"	6" NPT	90.2	58.5	31.7	5.4	8.3	78	308
PE625-3AA*	A	50	6"	6" NPT	96.3	58.5	37.8	5.4	8.6	91	308
PE625-3A*	A	60	8"	6" NPT	86.0	48.4	37.6	5.4	8.6	91	416
PE625-3*	A	75	8"	6" NPT	90.3	52.8	37.6	5.4	8.6	91	447
PE625-4AA	A	75	8"	6" NPT	96.5	52.8	43.7	7.6	8.6	105	447
PE625-4A	A	100	8"	6" NPT	105.1	61.4	43.7	7.6	8.6	105	642
PE625-4	A	100	8"	6" NPT	105.1	61.4	43.7	7.6	8.6	105	642
PE625-5AA	A	100	8"	6" NPT	111.2	61.4	49.8	7.6	8.6	119	642
PE625-5A	A	100	8"	6" NPT	111.2	61.4	49.8	7.6	8.6	119	642
PE625-5	A	100	8"	6" NPT	111.2	61.4	49.8	7.6	8.6	119	642
PE625-6AA	A	125	8"	6" NPT	124.5	68.5	56.0	7.7	8.6	149	642
PE625-6A	A	125	8"	6" NPT	124.5	68.5	56.0	7.7	8.6	149	642
PE625-6	A	125	8"	6" NPT	124.5	68.5	56.0	7.7	8.6	149	642
PE625-7AA	A	125	8"	6" NPT	130.6	68.5	62.1	7.7	8.6	165	642
PE625-7A	A	150	8"	6" NPT	122.2	60.1	62.1	7.7	8.6	165	739
PE625-7	A	150	8"	6" NPT	122.2	60.1	62.1	7.7	8.6	165	739

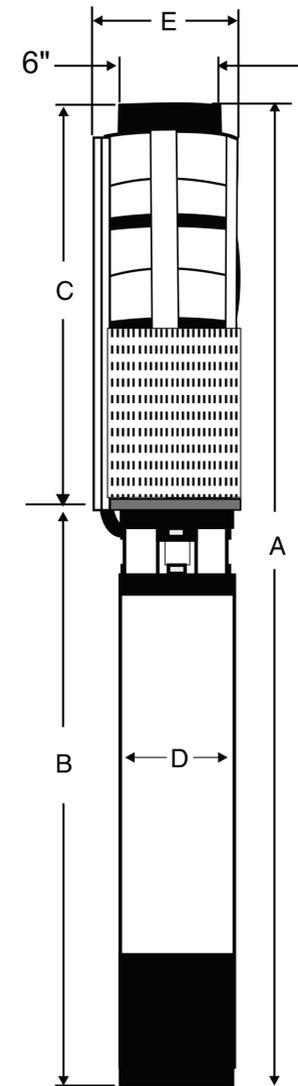


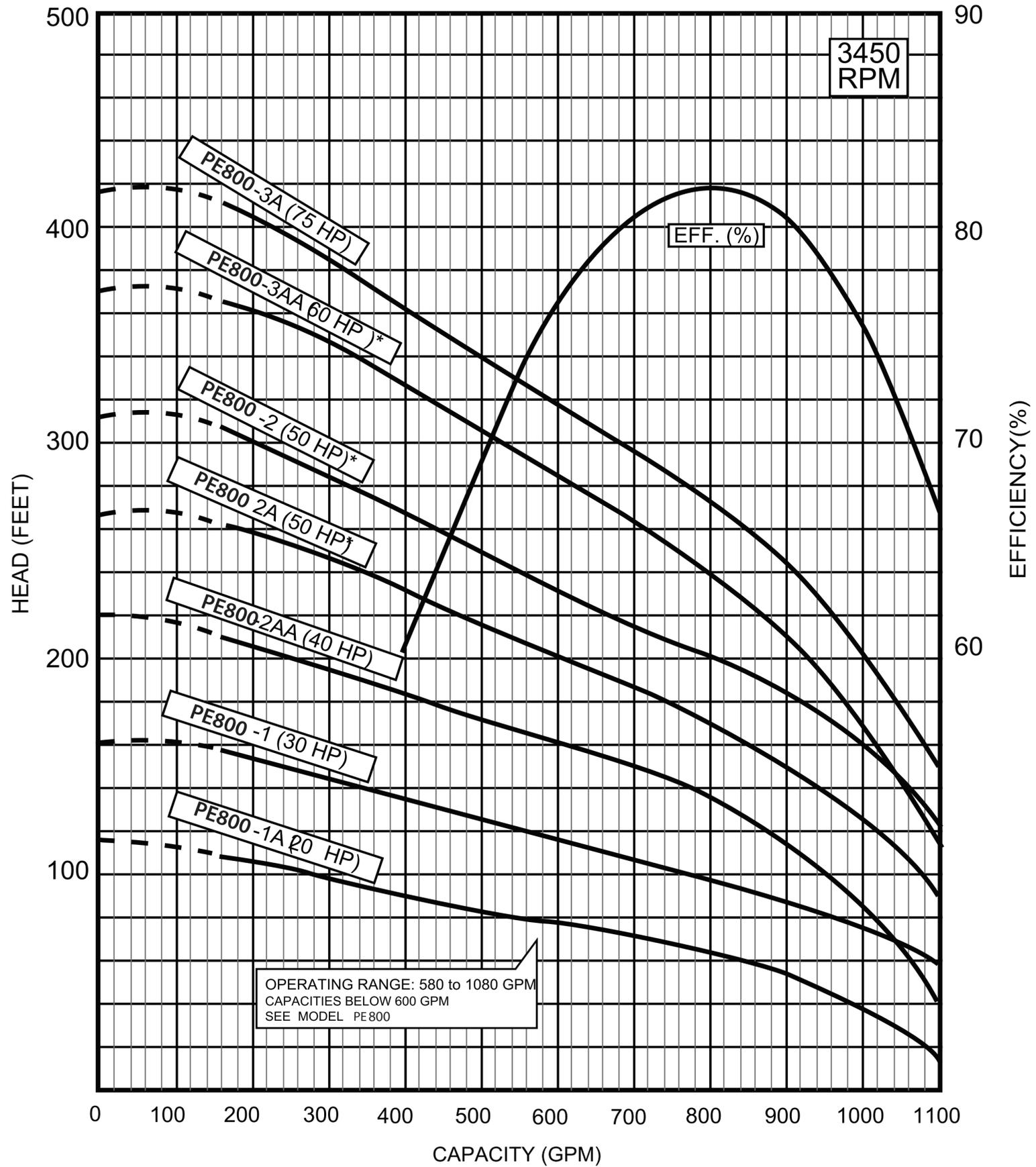
Fig. A

NOTES: All models suitable for use in 8" wells unless otherwise noted.
*Alternate motor sizes available.

800 GPM

MODEL PE 800

FLOW RANGE: 220 -1400 GPM OUTLET SIZE: 6 " NPT NOMINAL DIA. 10"



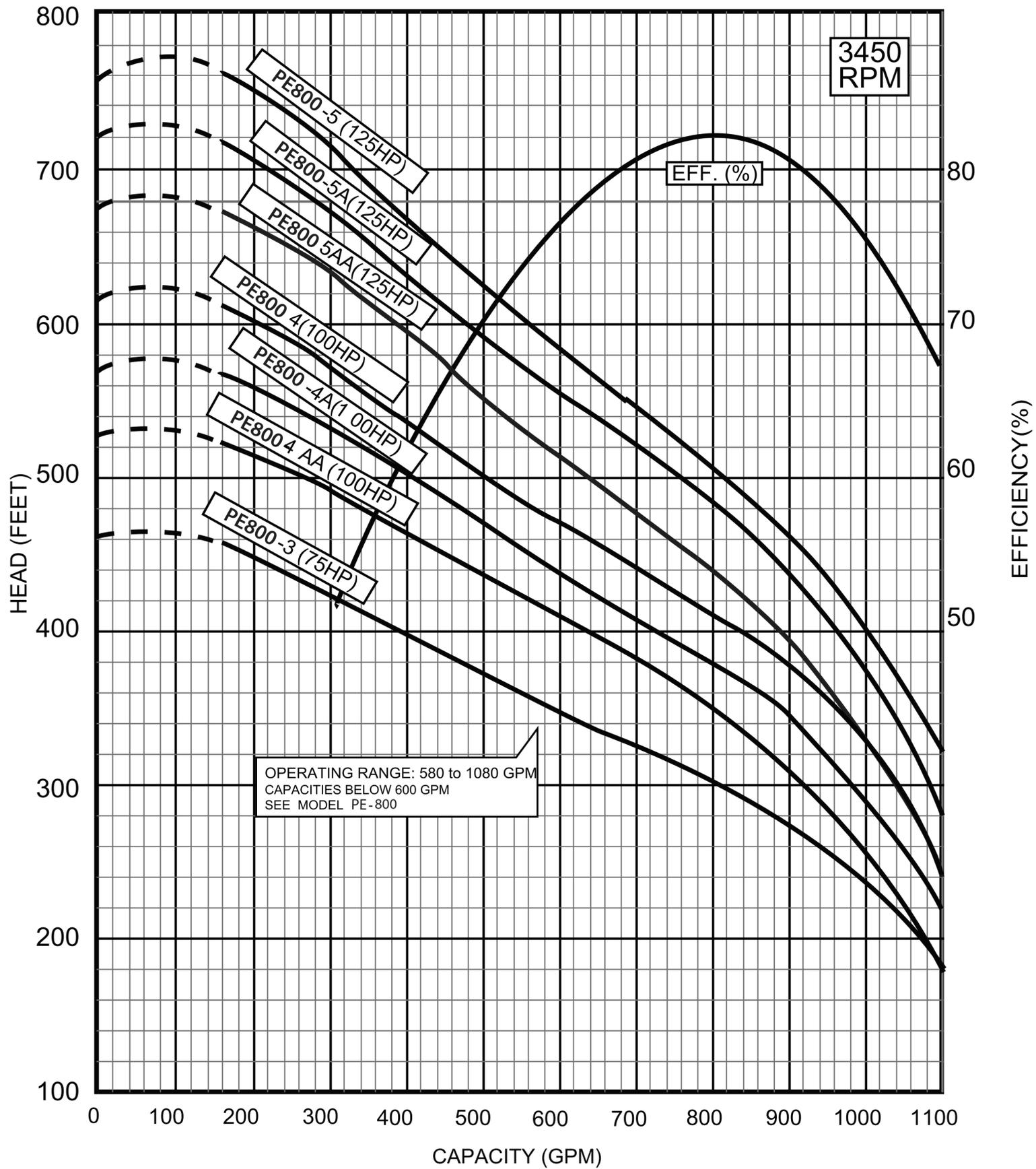
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 40 HP/3450 RPM.
 8" MOTOR STANDARD, 60-200 HP/3525 RPM.
 10" MOTOR STANDARD, 250 HP/3500 RPM.
 * Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
 @ 10 ft. min. submergence.

800 GPM

MODEL PE 800

FLOW RANGE: 220 -1400 GPM OUTLET SIZE: 6 " NPT NOMINAL DIA. 10"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 40 HP/3450 RPM.
 8" MOTOR STANDARD, 60-200 HP/3525 RPM.
 10" MOTOR STANDARD, 250 HP/3500 RPM.
 * Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
 @ 10 ft. min. submergence.

TECHNICAL DATA

800 GPM

MODEL PE 800

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
					A	B	C	D	E	PUMP	MOTOR
PE800-1A	A	20	6"	6" NPT	56.1	30.6	25.5	5.4	8.3	64	132
PE800-1	A	30	6"	6" NPT	61.2	35.7	25.5	5.4	8.3	64	158
PE800-2AA*	A	40	6"	6" NPT	74.9	43.3	31.7	5.4	8.3	78	220
PE800-2A*	A	50	6"	6" NPT	90.2	58.5	31.7	5.4	8.3	78	308
PE800-2*	A	50	6"	6" NPT	90.2	58.5	31.7	5.4	8.3	78	308
PE800-2AA*	A	40	8"	6" NPT	76.3	44.9	31.4	7.6	8.6	78	361
PE800-2A*	A	50	8"	6" NPT	76.3	44.9	31.4	7.6	8.6	78	361
PE800-2*	A	50	8"	6" NPT	76.3	44.9	31.4	7.6	8.6	78	361
PE800-3AA*	A	60	8"	6" NPT	86.0	48.4	37.6	7.6	8.6	91	416
PE800-3A	A	75	8"	6" NPT	90.3	52.8	37.6	7.6	8.6	91	447
PE800-3	A	75	8"	6" NPT	90.3	52.8	37.6	7.6	8.6	91	447
PE800-4AA	A	100	8"	6" NPT	105.1	61.4	43.7	7.6	8.6	105	642
PE800-4A	A	100	8"	6" NPT	105.1	61.4	43.7	7.6	8.6	105	642
PE800-4	A	100	8"	6" NPT	105.1	61.4	43.7	7.6	8.6	105	642
PE800-5AA	A	125	8"	6" NPT	115.3	65.5	49.8	7.6	8.6	119	642
PE800-5A	A	125	8"	6" NPT	115.3	65.5	49.8	7.7	8.6	119	642
PE800-5	A	125	8"	6" NPT	115.3	65.5	49.8	7.7	8.6	119	642

NOTES: All models suitable for use in 10" wells, unless equipped with 10" motor.

* Alternate motor sizes available.

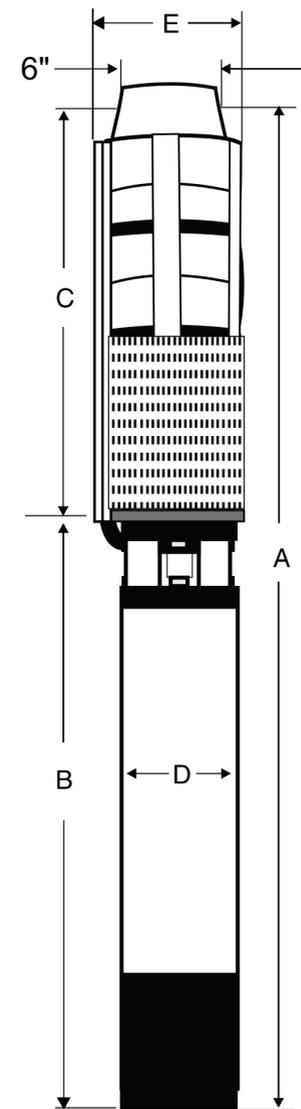


Fig. A

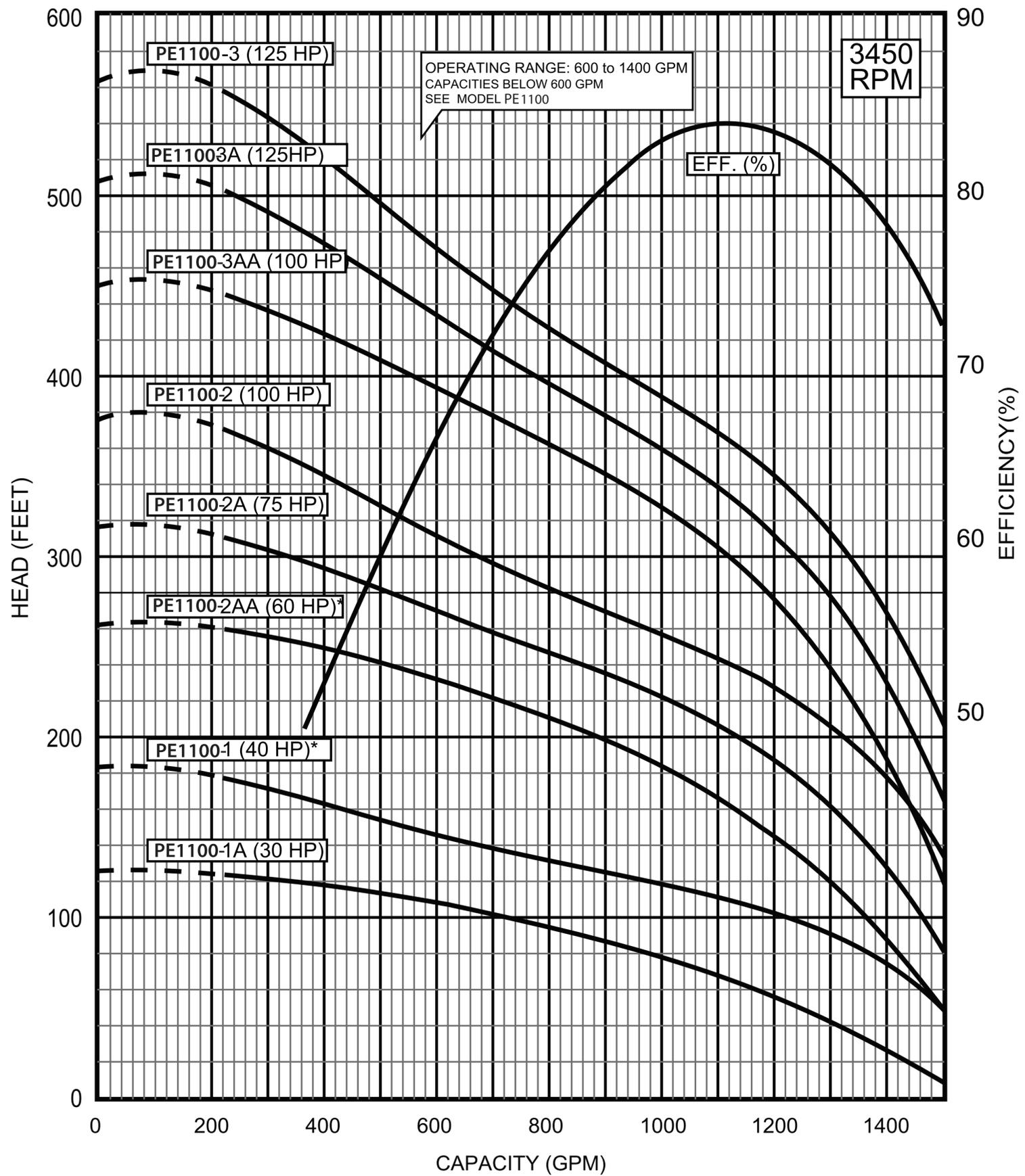
1100 GPM

MODEL PE 1100

FLOW RANGE: 220 -1400 GPM

OUTLET SIZE: 6 " NPT

NOMINAL DIA. 10"



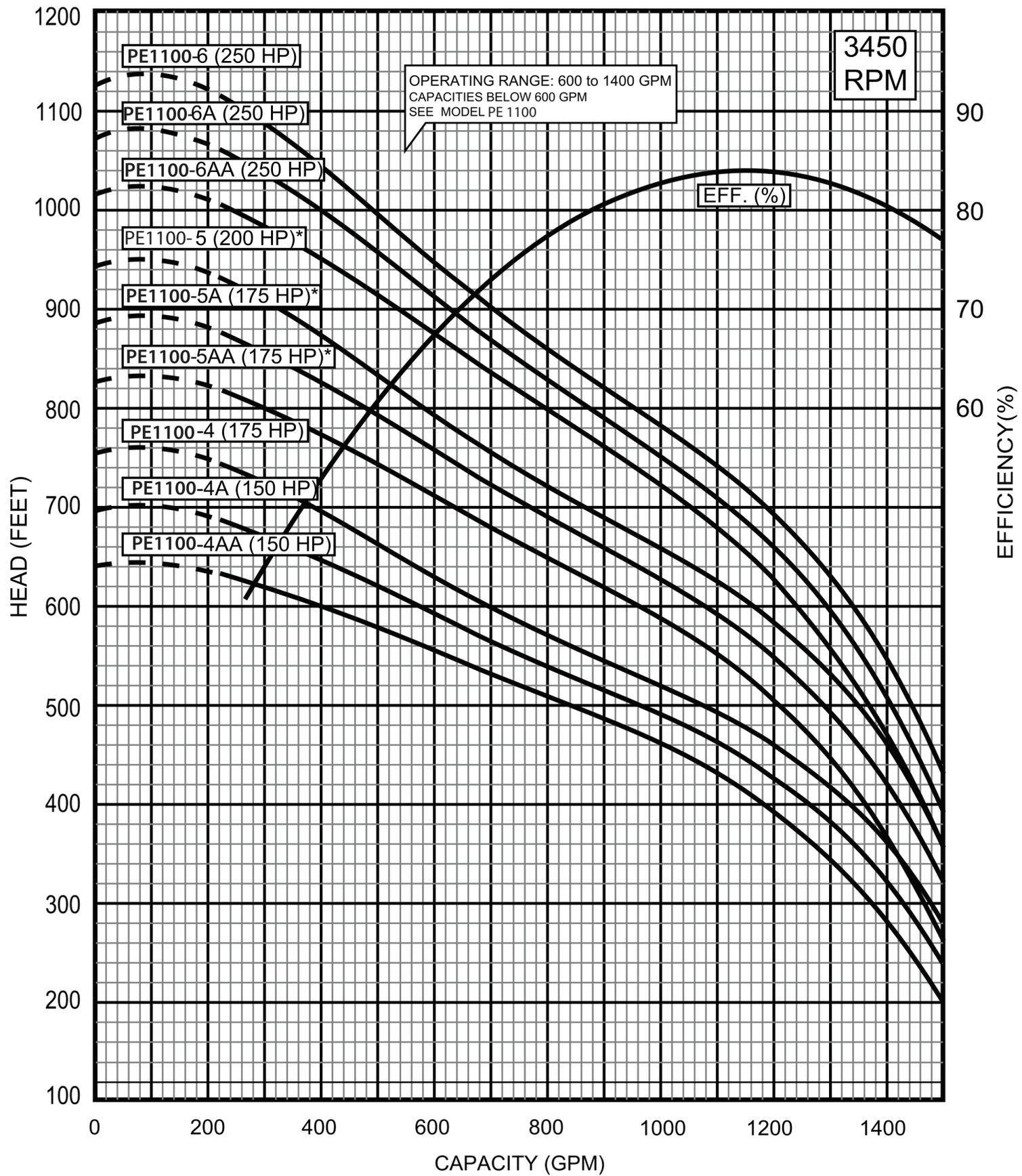
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 40 HP/3450 RPM.
 8" MOTOR STANDARD, 60-200 HP/3525 RPM.
 10" MOTOR STANDARD, 250 HP/3500 RPM.
 * Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
 @ 10 ft. min. submergence.

1100 GPM

MODEL PE 1100

FLOW RANGE: 220 -1400 GPM OUTLET SIZE: 6 " NPT NOMINAL DIA. 10"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
6" MOTOR STANDARD, 40 HP/3450 RPM.
8" MOTOR STANDARD, 60-200 HP/3525 RPM.
10" MOTOR STANDARD, 250 HP/3500 RPM.
* Alternate motor sizes available.

Performance conforms to ISO 9906 Annex A
@ 10 ft. min. submergence.

TECHNICAL DATA

1100 GPM

MODEL PE 1100

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
					A	B	C	D	E	PUMP	MOTOR
PE1100-1A	A	30	6"	6" NPT	64.4	35.7	28.7	5.4	9.7	114	158
PE1100-1*	A	40	6"	6" NPT	72.0	43.3	28.7	5.4	9.7	114	220
PE1100-2AA*	A	60	8"	6" NPT	86.7	48.4	38.3	5.4	9.7	157	416
PE1100-2A	A	75	8"	6" NPT	91.0	52.8	38.3	7.6	9.7	157	447
PE1100-2	A	100	8"	6" NPT	99.7	61.4	38.3	7.6	9.7	157	642
PE1100-3AA	A	100	8"	6" NPT	106.6	61.4	45.2	7.6	9.7	181	642
PE1100-3A	A	125	8"	6" NPT	113.7	68.5	45.2	7.7	9.7	181	642
PE1100-3	A	125	8"	6" NPT	113.7	68.5	45.2	7.7	9.7	181	642
PE1100-4AA	A	150	10"	6" NPT	112.2	60.1	52.1	7.7	9.7	215	739
PE1100-4A	A	150	10"	6" NPT	112.2	60.1	52.1	7.7	9.7	215	739
PE1100-4	A	175	10"	6" NPT	117.4	65.3	52.1	7.7	9.7	215	906
PE1100-5AA*	A	175	10"	6" NPT	124.4	65.3	59.1	7.7	9.7	237	906
PE1100-5A*	A	175	10"	6" NPT	124.4	65.3	59.1	7.7	9.7	237	906
PE1100-5*	A	200	10"	6" NPT	128.7	69.6	59.1	7.7	9.7	237	961
PE1100-6AA	A	250	10"	6" NPT	141.5	75.6	66.0	9.1	10.9	268	1056
PE1100-6A	A	250	10"	6" NPT	134.6	75.6	59.1	9.1	10.9	246	1056
PE1100-6	A	250	10"	6" NPT	141.5	75.6	66.0	9.1	10.9	268	1056

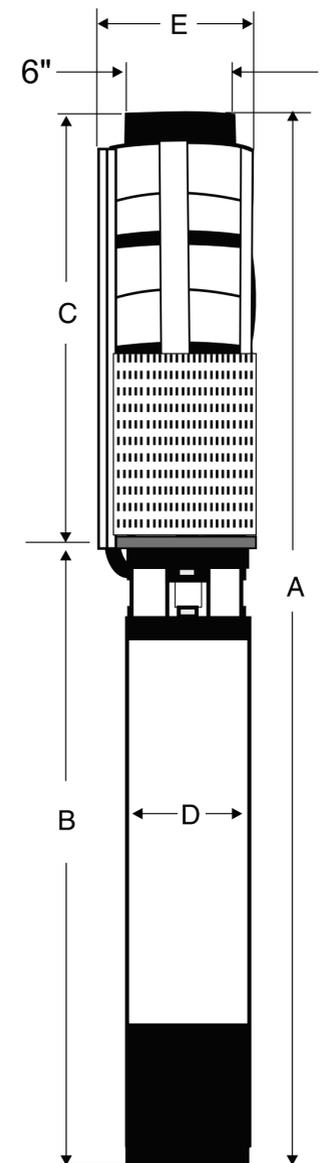


Fig. A

NOTES: All models suitable for use in 10" wells, unless equipped with 10" motor.

* Alternate motor sizes available.



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