

SUBMERSIBLE PUMPS & MOTOR

QF SERIES (60Hz) - NORTH AMERICA



SHAKTI

THE POWER OF INNOVATION, EFFICIENCY & TECHNOLOGY.

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4 Inch Submersibles

Construction

Sectional drawing, QF pump 4" spline shaft (QF 1- QF 6)

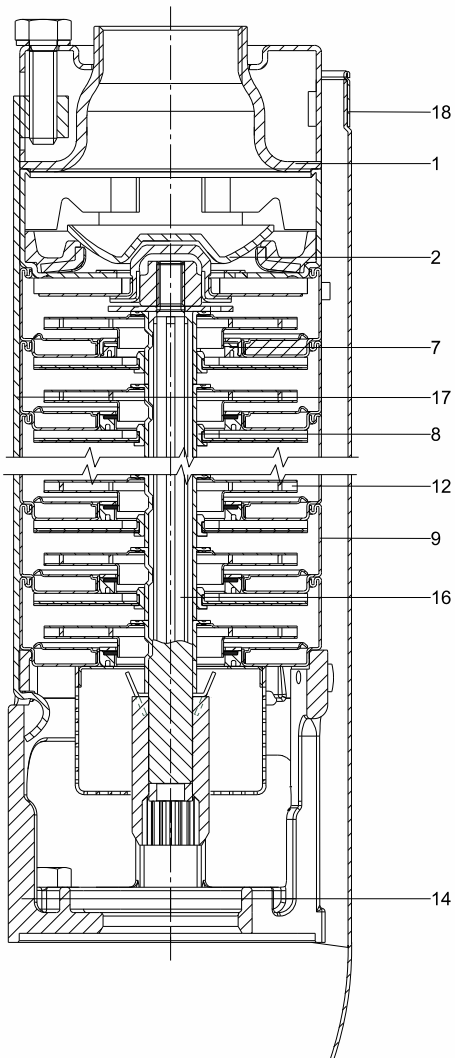


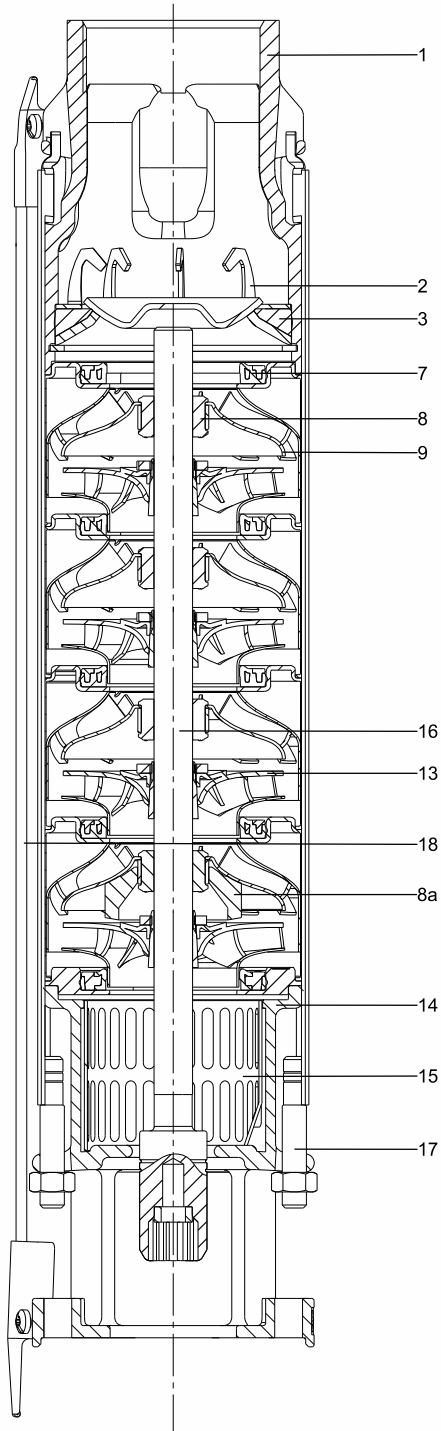
Fig. 13 QF pump, 4" spline shaft (QF 1 - QF 6)

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, QF pump 4" smooth shaft (QF 12 - QF 25)



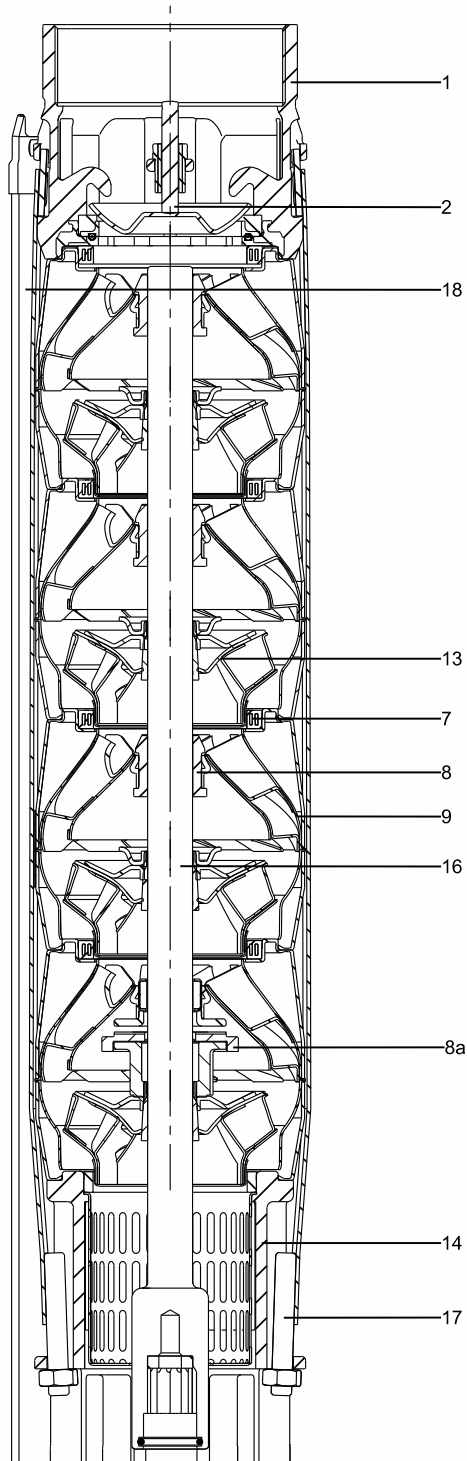
Material specification

Pos.	Component	Material	Standard	N-version
			[AISI (EN)]	
1	Valve casing	Cast stainless steel	304 (1.4301)	316 (1.4401)
2	Valve	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 QF pump, 4" smooth shaft (QF 12 - QF 25)

4 Inch Submersibles

Sectional drawing, QF pump 6" smooth shaft (QF 30 - QF 100)



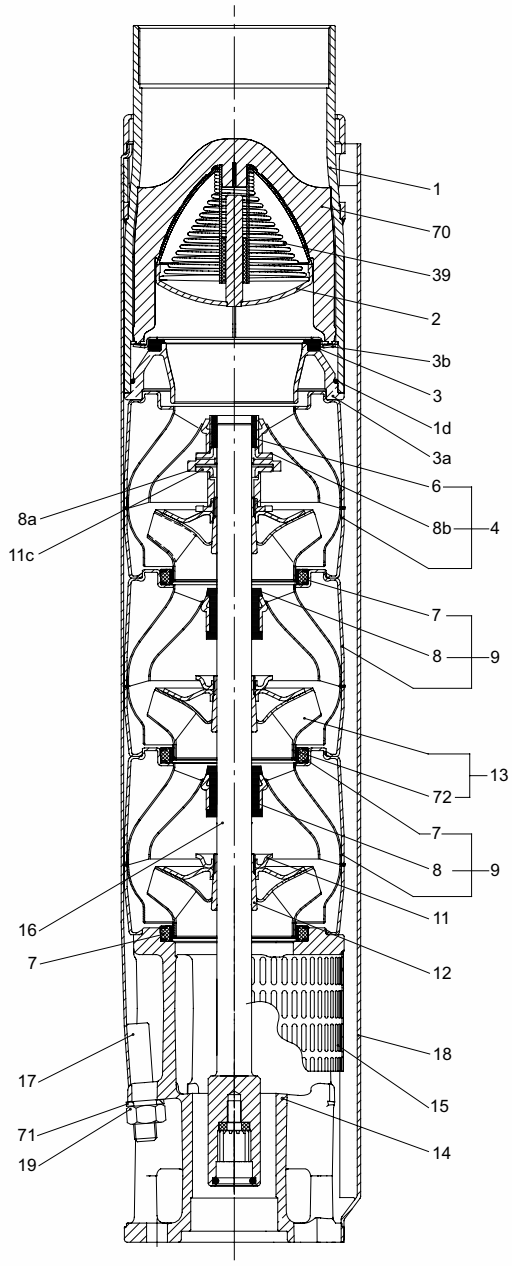
Material specification

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)
	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)

Fig. 15 Example, 6" (QF 30 - QF 100)

4 Inch Submersibles

Sectional drawing, QF pump 8" smooth shaft (QF 125 - QF 160)



Material specification

Pos.	Component	Materials	Standard	N version	R version
			[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 QF pump, 8" (QF 125 - QF 160)

4 Inch Submersibles

Sectional drawing, QF pump 10" smooth shaft (QF 210 - QF 360)

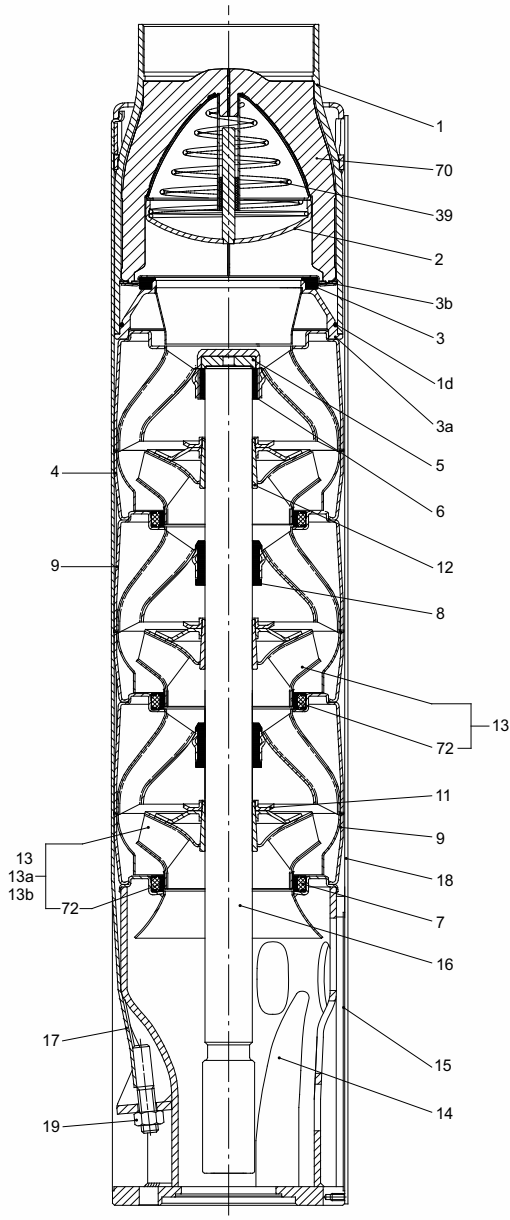


Fig. 17 QF pump, 10" (QF 210 - QF 360)

Material specification

Pos.	Description	Material	Standard	N
			version	
[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	Uphrust 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)

Performance Curve and Technical Data

4 Inch Submersibles



PERFORMANCE CURVE

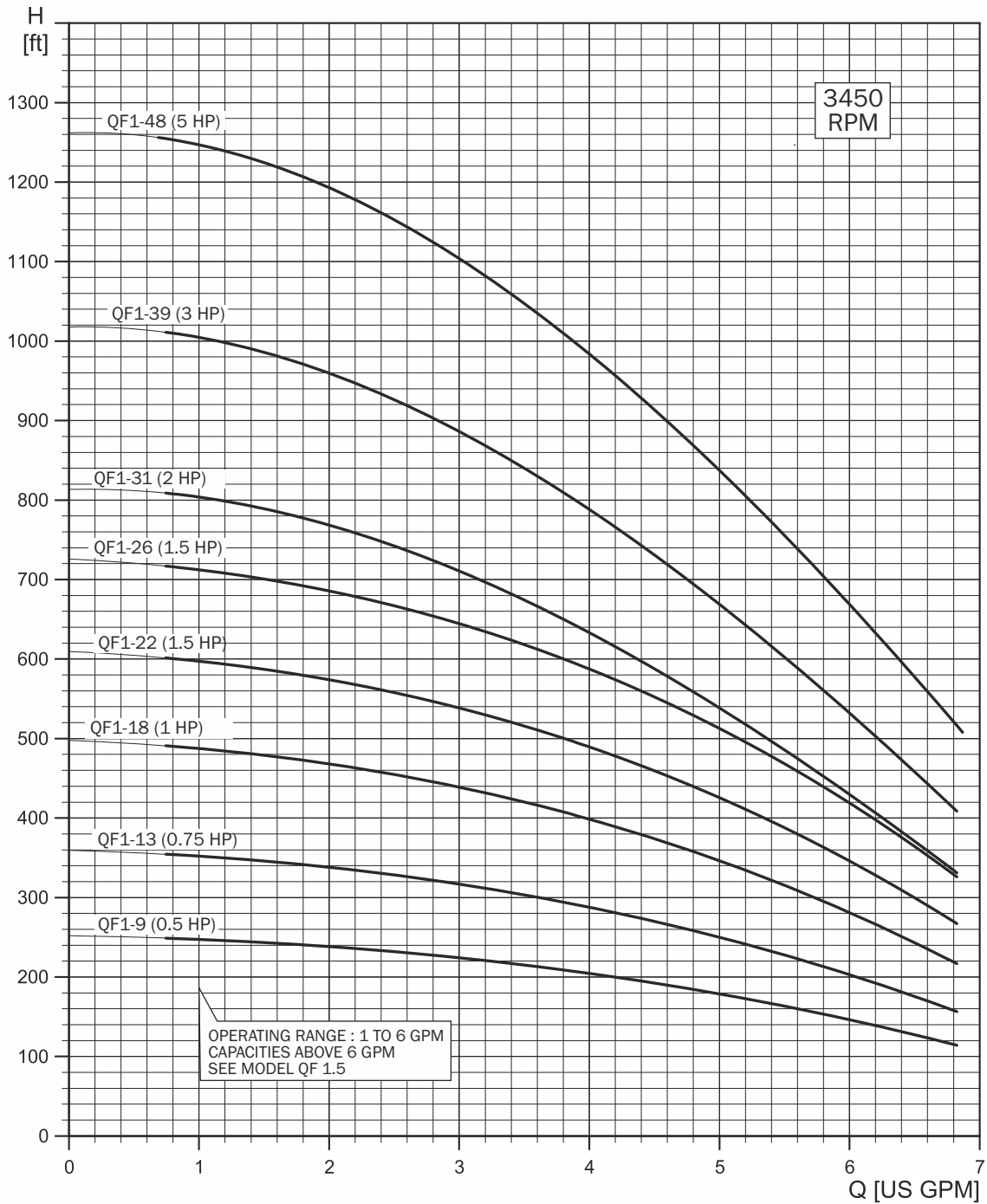
5 GPM

MODEL QF 1

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 QF 1

2 WIRE

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 1-9	A	0.5	4"	1	1.25"	28.4	13.5	14.9	3.8	3.8	11.4	29.8
QF 1-13	A	0.5	4"	1	1.25"	31.7	13.5	18.2	3.8	3.8	13.5	29.8
QF 1-18	A	0.8	4"	1	1.25"	37.8	15.5	22.4	3.8	3.8	16.2	34.4
QF 1-22	A	1	4"	1	1.25"	43.0	17.4	25.7	3.8	3.8	18.4	39.5
QF 1-26	A	1.5	4"	1	1.25"	46.3	17.4	29.0	3.8	3.8	20.7	39.5
QF 1-31	A	1.5	4"	1	1.25"	50.5	17.4	33.1	3.8	3.8	23.5	39.5

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

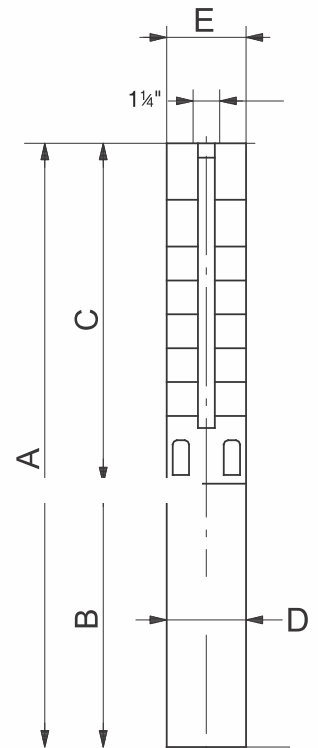


Fig. A

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 1-9	A	0.5	4"	1	1.25"	24.3	9.4	14.9	3.8	3.8	11.4	26.1
				3		25.4	10.5					29.0
QF 1-13	A	0.5	4"	1	1.25"	27.6	9.4	18.2	3.8	3.8	13.5	26.1
				3		28.7	10.5					29.0
QF 1-18	A	0.75	4"	1	1.25"	33.7	11.3	22.4	3.8	3.8	16.2	31.1
				3		32.8	10.4					29.0
QF 1-22	A	1	4"	1	1.25"	37.0	11.3	25.7	3.8	3.8	18.4	31.1
				3		37.0	11.3					31.1
QF 1-26	A	1.5	4"	1	1.25"	42.2	13.2	29.0	3.8	3.8	20.7	35.6
				3		42.2	13.2					35.6
QF 1-31	A	1.5	4"	1	1.25"	46.3	13.2	33.1	3.8	3.8	23.5	35.6
				3		46.3	13.2					35.6
QF 1-39	B	2	4"	1	1.25"	55.4	15.7	39.7	3.8	3.8	27.8	41.6
				3		55.4	15.7					41.6
QF 1-48	B	3	4"	1	1.25"	81.5	21.5	60.0	3.8	3.8	32.7	55.3
				3		81.5	21.5					55.3

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

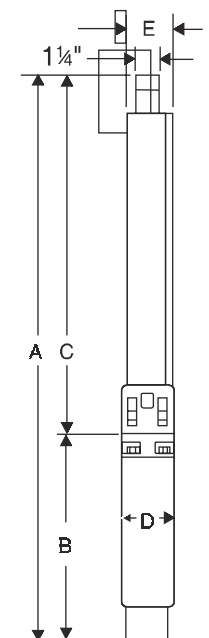


Fig. B

PERFORMANCE CURVE

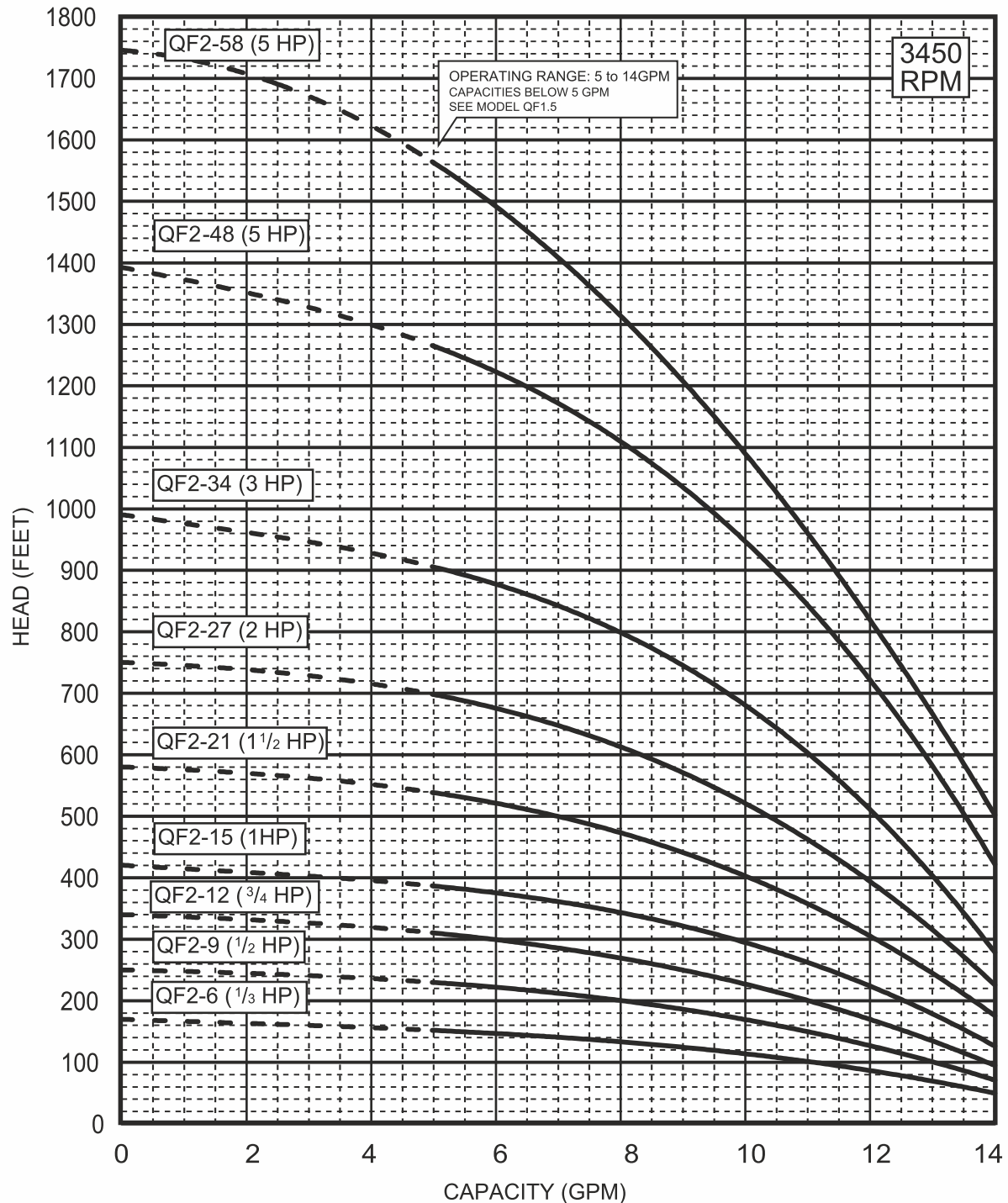
10 GPM

MODEL QF 2

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 QF 2

2 WIRE

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 2-6	A	0.5	4"	1	1.25"	25.9	13.5	12.4	3.8	3.8	9.7	29.8
QF 2-9	A	0.5	4"	1	1.25"	28.4	13.5	14.9	3.8	3.8	11.4	29.8
QF 2-12	A	0.8	4"	1	1.25"	32.9	15.5	17.4	3.8	3.8	13.0	34.4
QF 2-15	A	1	4"	1	1.25"	37.2	17.4	19.9	3.8	3.8	14.4	39.5
QF 2-21	A	1.5	4"	1	1.25"	42.2	17.4	24.8	3.8	3.8	17.8	39.5

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

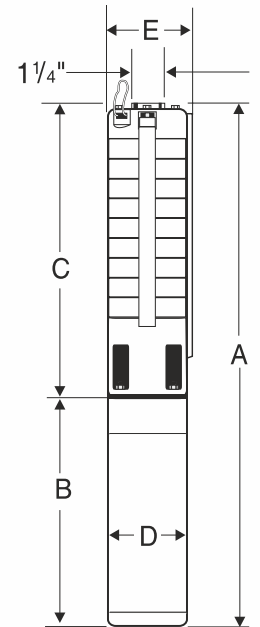


Fig. A

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 2-6	A	0.5	4"	1	1.25"	21.9	9.4	12.4	3.8	3.8	9.7	26.1
				3		23.0	10.5					29.0
QF 2-9	A	0.5	4"	1	1.25"	24.3	9.4	14.9	3.8	3.8	11.4	26.1
				3		25.4	10.5					29.0
QF 2-12	A	0.75	4"	1	1.25"	28.7	11.3	17.4	3.8	3.8	13.0	31.1
				3		27.8	10.4					29.0
QF 2-15	A	1	4"	1	1.25"	31.2	11.3	19.9	3.8	3.8	14.4	31.1
				3		31.2	11.3					31.1
QF 2-21	A	1.5	4"	1	1.25"	38.0	13.2	24.8	3.8	3.8	17.8	35.6
				3		38.0	13.2					35.6
QF 2-27	A	2	4"	1	1.25"	45.5	15.7	29.8	3.8	3.8	21.3	41.6
				3		45.5	15.7					41.6
QF 2-34	A	3	4"	1	1.25"	57.1	21.5	35.6	3.8	3.8	25.1	55.3
				3		57.1	21.5					55.3
QF 2-48	A	5	4"	1	1.25"	87.4	27	60.0	3.8	3.8	32.7	71.7
				3		83.0	23.0					71.7
QF 2-58*	B	5	4"	3	1.25"	93.4	23.0	70.4	3.8	3.8	38.2	71.7

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

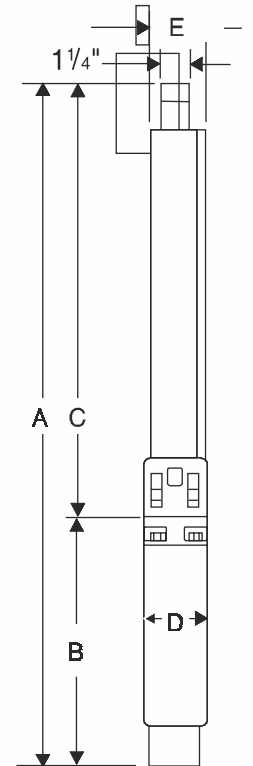


Fig. B

PERFORMANCE CURVE

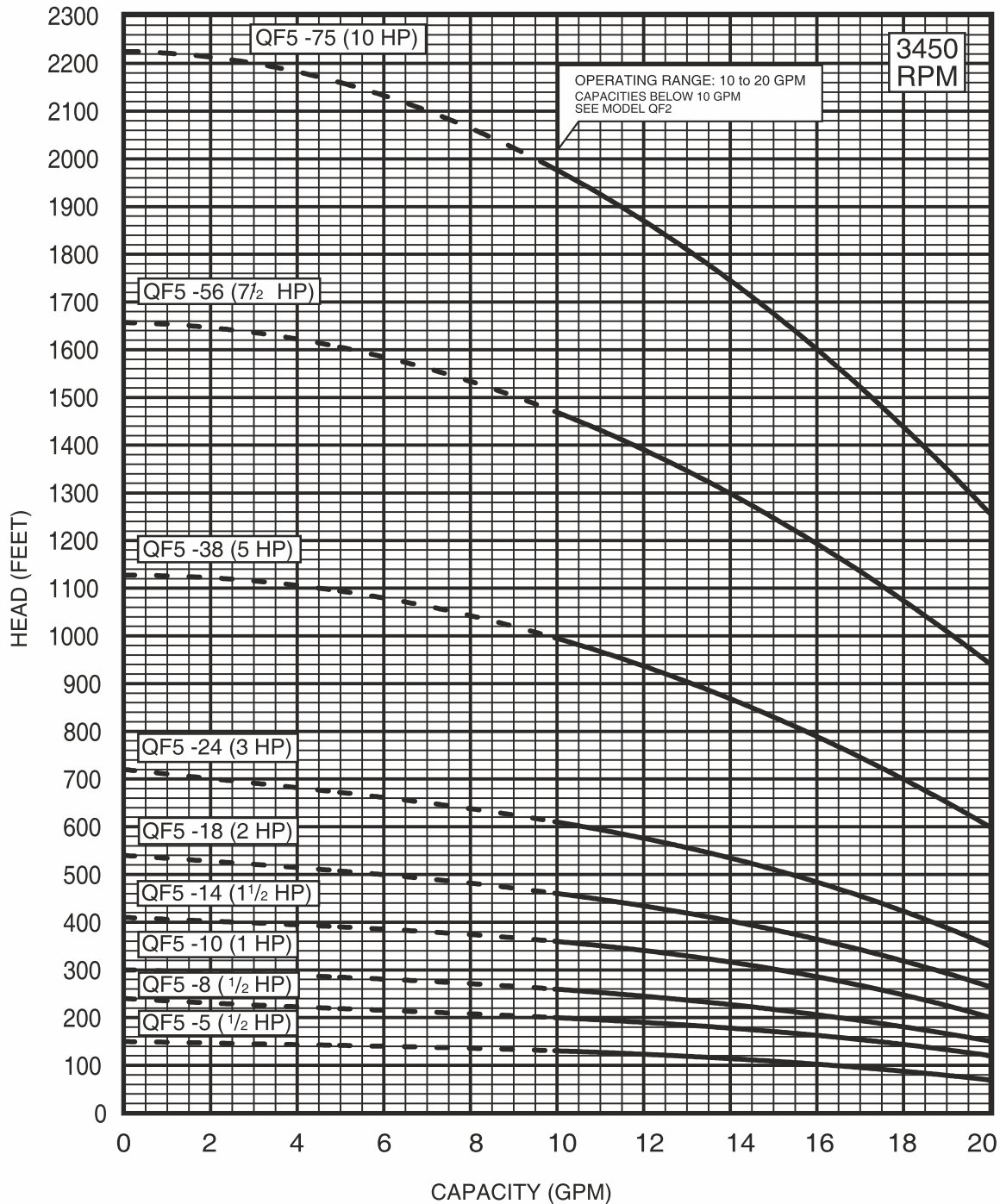
16 GPM

MODEL QF 5

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 QF 5

2 WIRE

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 5-5	A	0.5	4"	1	1.25"	25.1	13.5	11.6	3.8	3.8	9.2	29.8
QF 5-8	A	0.75	4"	1	1.25"	29.6	15.5	14.1	3.8	3.8	10.8	34.4
QF 5-10	A	1.0	4"	1	1.25"	33.1	17.4	15.7	3.8	3.8	11.9	39.5
QF 5-14	A	1.5	4"	1	1.25"	36.4	17.4	19.1	3.8	3.8	13.9	39.5

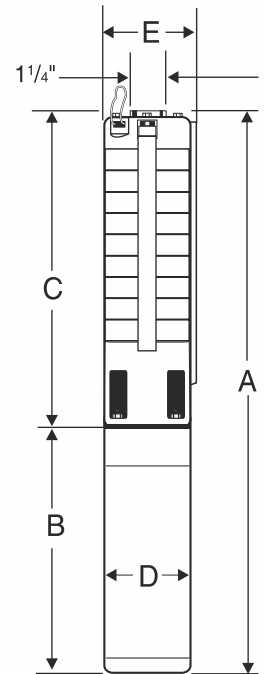


Fig. A

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 5-5	A	0.5	4"	1	1.25"	21.0	9.4	11.6	3.8	3.8	9.2	25.9
				3		22.1	10.5					28.8
QF 5-8	A	0.75	4"	1	1.25"	25.4	11.3	14.1	3.8	3.8	10.8	30.9
				3		24.5	10.4					28.8
QF 5-10	A	1.0	4"	1	1.25"	27.0	11.3	15.7	3.8	3.8	11.9	30.9
				3		27.0	11.3					30.9
QF 5-14	A	1.5	4"	1	1.25"	32.2	13.2	19.1	3.8	3.8	13.9	35.3
				3		32.2	13.2					35.3
QF 5-18	A	2.0	4"	1	1.25"	38.1	15.7	22.4	3.8	3.8	16.2	41.2
				3		38.1	15.7					41.2
QF 5-24	A	3.0	4"	1	1.25"	48.8	21.5	27.3	3.8	3.8	19.6	54.8
				3		48.8	21.5					54.8
QF 5-38	A	5.0	4"	1	1.25"	66.3	27.4	38.9	3.8	3.8	27.3	71.7
				3		61.9	23.0					71.7
QF 5-56*	B	7.5	6"	3	1.25"	97.8	27.5	70.3	5.7	5.7	39.6	113.1

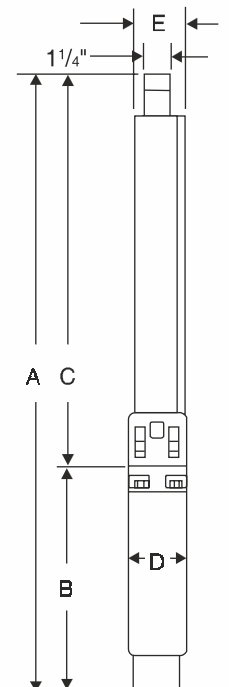


Fig. B

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

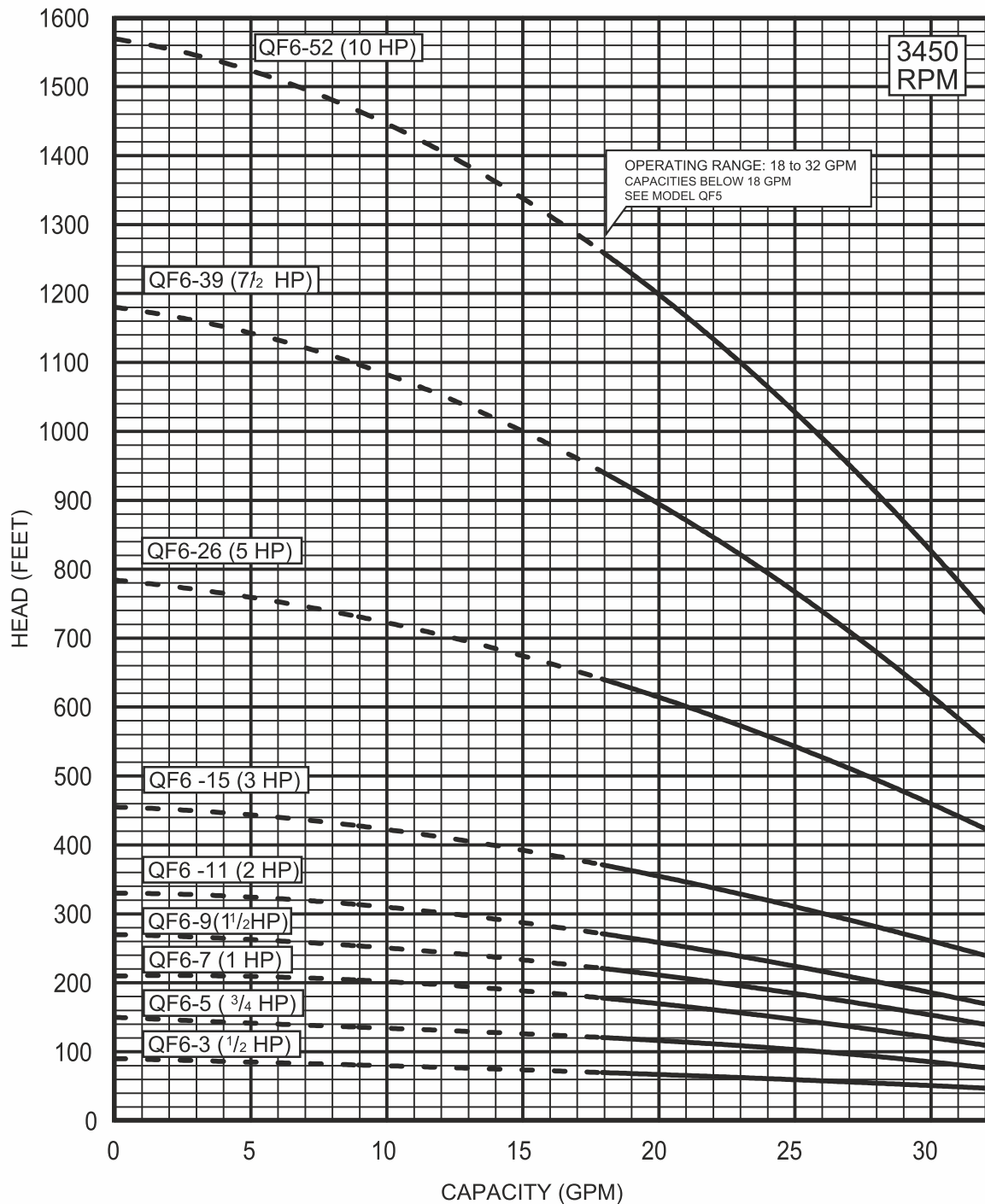
* Built into sleeve 1 1/4" NPT discharge, 6" min. well dia.

PERFORMANCE CURVE

25 GPM

MODEL QF 6

FLOW RANGE: 18 -32 GPM OUTLET SIZE: 1 1/2 " 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

25 GPM

MODEL QF 6

2 WIRE

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 6-3	A	0.5	4"	1	1.5"	23.5	13.5	10.0	3.8	3.8	8.2	29.8
QF 6-5	A	0.75	4"	1	1.5"	27.1	15.5	11.6	3.8	3.8	9.3	34.4
QF 6-7	A	1.0	4"	1	1.5"	30.6	17.4	13.3	3.8	3.8	10.4	39.5
QF 6-9	A	1.5	4"	1	1.5"	32.3	17.4	14.9	3.8	3.8	11.5	39.5

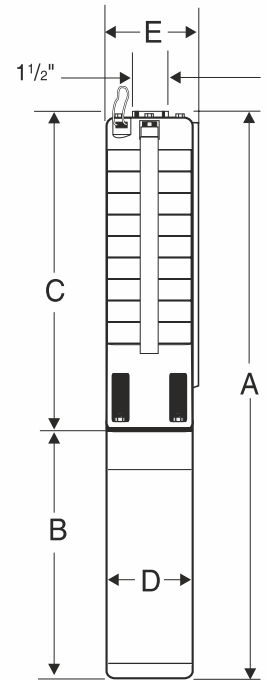


Fig. A

3 WIRE

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 6-3	A	0.5	4"	1	1.5"	19.4	9.4	10.0	3.8	3.8	8.2	25.9
				3		20.5	10.5					28.8
QF 6-5	A	0.75	4"	1	1.5"	22.9	11.3	11.6	3.8	3.8	9.3	30.9
				3		22.0	10.4					28.8
QF 6-7	A	1.0	4"	1	1.5"	24.6	11.3	13.3	3.8	3.8	10.4	30.9
				3		24.6	11.3					30.9
QF 6-9	A	1.5	4"	1	1.5"	28.1	13.2	14.9	3.8	3.8	11.5	35.3
				3		28.1	13.2					35.3
QF 6-11	A	2.0	4"	1	1.5"	32.3	15.7	16.6	3.8	3.8	12.6	41.3
				3		32.3	15.7					41.3
QF 6-15	A	3.0	4"	1	1.5"	41.4	21.5	19.9	3.8	3.8	14.8	54.9
				3		41.4	21.5					54.9
QF 6-26	A	5.0	4"	1	1.5"	56.4	27.4	29.0	3.8	3.8	20.7	71.8
				3		52.0	23.0					71.8
QF 6-39*	A	7.5	6"	3	1.5"	69.2	27.5	41.7	5.7	5.7	27.2	113.3
QF 6-52*	B	10.0	6"	3	1.5"	94.4	28.3	66.1	5.7	5.7	31.2	117.6

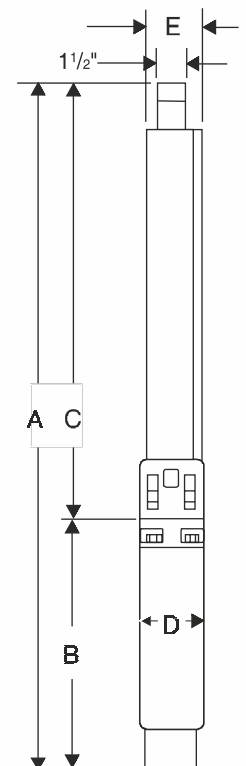


Fig. B

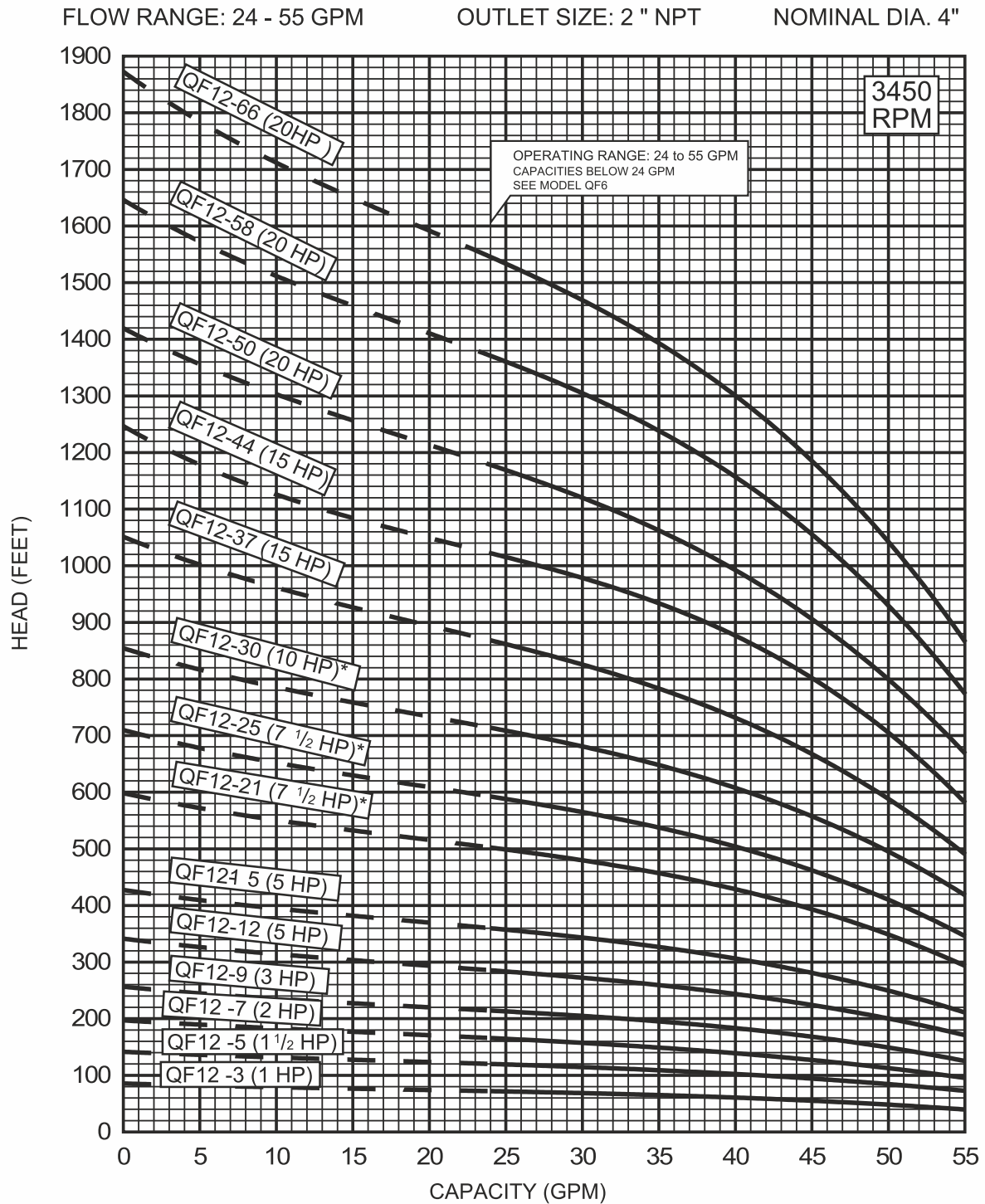
NOTES: All models suitable for use in 4" wells, unless otherwise noted.

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

PERFORMANCE CURVE

40 GPM

MODEL QF 12



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 QF 12

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 12-3	A	1	4"	1	2"	23.7	11.3	12.4	3.8	3.8	17.2	30.9
				3		23.7	11.3					30.9
QF 12-5	A	1.5	4"	1	2"	29.0	13.2	15.8	3.8	3.8	19.4	35.3
				3		29.0	13.2					35.3
QF 12-7	A	2	4"	1	2"	34.8	15.7	19.1	3.8	3.8	21.6	41.2
				3		34.8	15.7					41.2
QF 12-9	A	3	4"	1	2"	43.9	21.5	22.4	3.8	3.8	23.8	54.8
				3		43.9	21.5					54.8
QF 12-12	A	5	4"	1	2"	54.7	27.4	27.3	3.8	3.8	26.9	71.7
				3		50.3	23.0					71.7
QF 12-15	A	5	4"	1	2"	59.7	27.4	32.3	3.8	3.8	30.0	71.7
				3		55.3	23.0					71.7
QF 12-21*	A	7.5	4"	3	2"	72.7	30.5	42.2	3.8	3.8	36.4	79.5
QF 12-25*	A	7.5	4"	3	2"	79.3	30.5	48.8	3.8	3.8	40.8	79.5
QF 12-30*	A	10	4"	3	2"	89.8	32.8	57.1	3.8	3.8	45.9	81.6
QF 12-37	A	15	6"	3	2"	101.3	30.7	70.6	5.7	5.7	57.8	132.1
QF 12-44	A	15	6"	3	2"	112.8	30.7	82.2	5.7	5.7	65.3	132.1
QF 12-50**	B	20	6"	3	2"	126.5	34.4	92.1	5.7	5.7	71.7	155.8
QF 12-58**	B	20	6"	3	2"	139.7	34.4	105.3	5.7	5.7	80.3	155.8
QF 12-66*	B	20	6"	3	2"	153.0	34.4	118.6	5.7	5.7	89.7	155.8

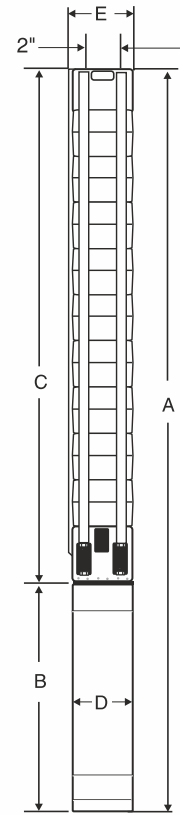


Fig. A

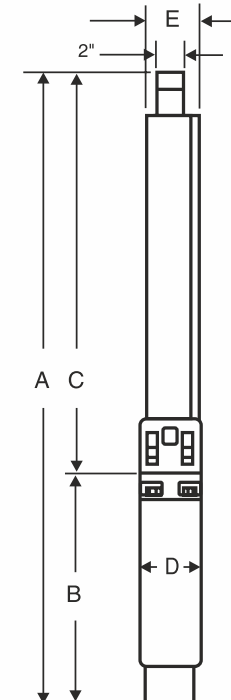


Fig. B

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

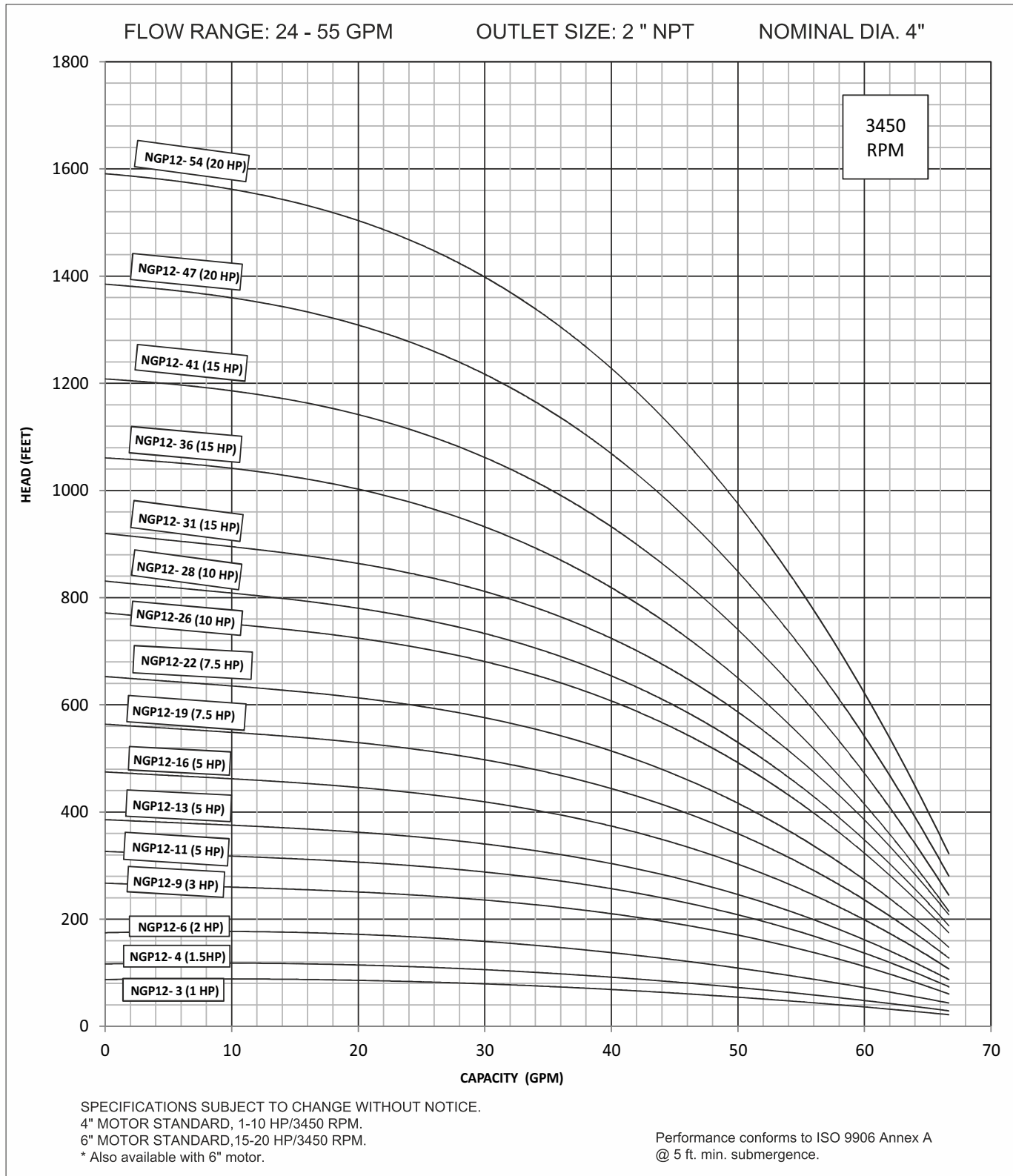
* Also available with 6" motor.

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

PERFORMANCE CURVE

40 GPM

MODEL NGP 12



TECHNICAL DATA

40 GPM

MODEL NGP 12

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
NGP12 -3	A	1	4"	1	2"	24.5	11.3	13.2	3.8	3.8	13.6	30.9
				3		24.5	11.3					30.9
NGP12 -4	A	1.5	4"	1	2"	28.4	13.2	15.2	3.8	3.8	15.0	35.3
				3		28.4	13.2					35.3
NGP12 -6	A	2	4"	1	2"	34.8	15.7	19.1	3.8	3.8	18.0	41.2
				3		34.8	15.7					41.2
NGP12 -9	A	3	4"	1	2"	46.5	21.5	25.0	3.8	3.8	22.0	54.8
				3		46.5	21.5					54.8
NGP12 -11	A	5	4"	1	2"	56.3	27.4	28.9	3.8	3.8	25.3	71.7
				3		51.9	23.0					71.7
NGP12 -13	A	5	4"	1	2"	60.3	27.4	32.9	3.8	3.8	27.9	71.7
				3		55.9	23.0					71.7
NGP12 -16	A	5	4"	1	2"	66.2	27.4	38.8	3.8	3.8	31.9	71.7
				3		61.8	23.0					71.7
NGP12 -19	A	7.5	4"	3	2"	75.2	30.5	44.7	3.8	3.8	37.0	79.5
NGP12 -22*	A	7.5	4"	3	2"	81.1	30.5	50.6	3.8	3.8	41.1	79.5
NGP12 -26*	A	10	4"	3	2"	91.3	32.8	58.5	3.8	3.8	48.6	81.6
NGP12 -28	A	10	6"	3	2"	92.7	28.3	64.4	5.7	5.7	54.0	117.3
NGP12 -31	A	15	6"	3	2"	101.1	30.7	70.4	5.7	5.7	60.3	132.1
NGP12 -36	A	15	6"	3	2"	110.9	30.7	80.2	5.7	5.7	69.5	132.1
NGP12 -41	A	15	6"	3	2"	120.7	30.7	90.0	5.7	5.7	76.6	132.1
NGP12 -47	A	20	6"	3	2"	136.2	34.4	101.8	5.7	5.7	88.2	155.8
NGP12 -54	A	20	6"	3	2"	150.1	34.4	115.6	5.7	5.7	99.0	155.8

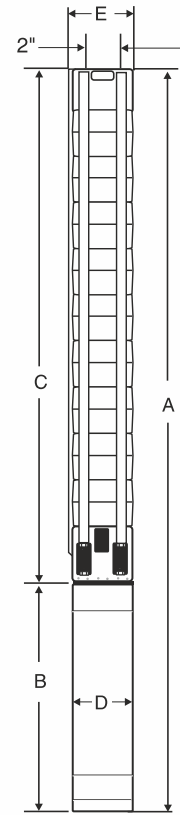


Fig. A

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

* Also available with 6" motor.

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

PERFORMANCE CURVE

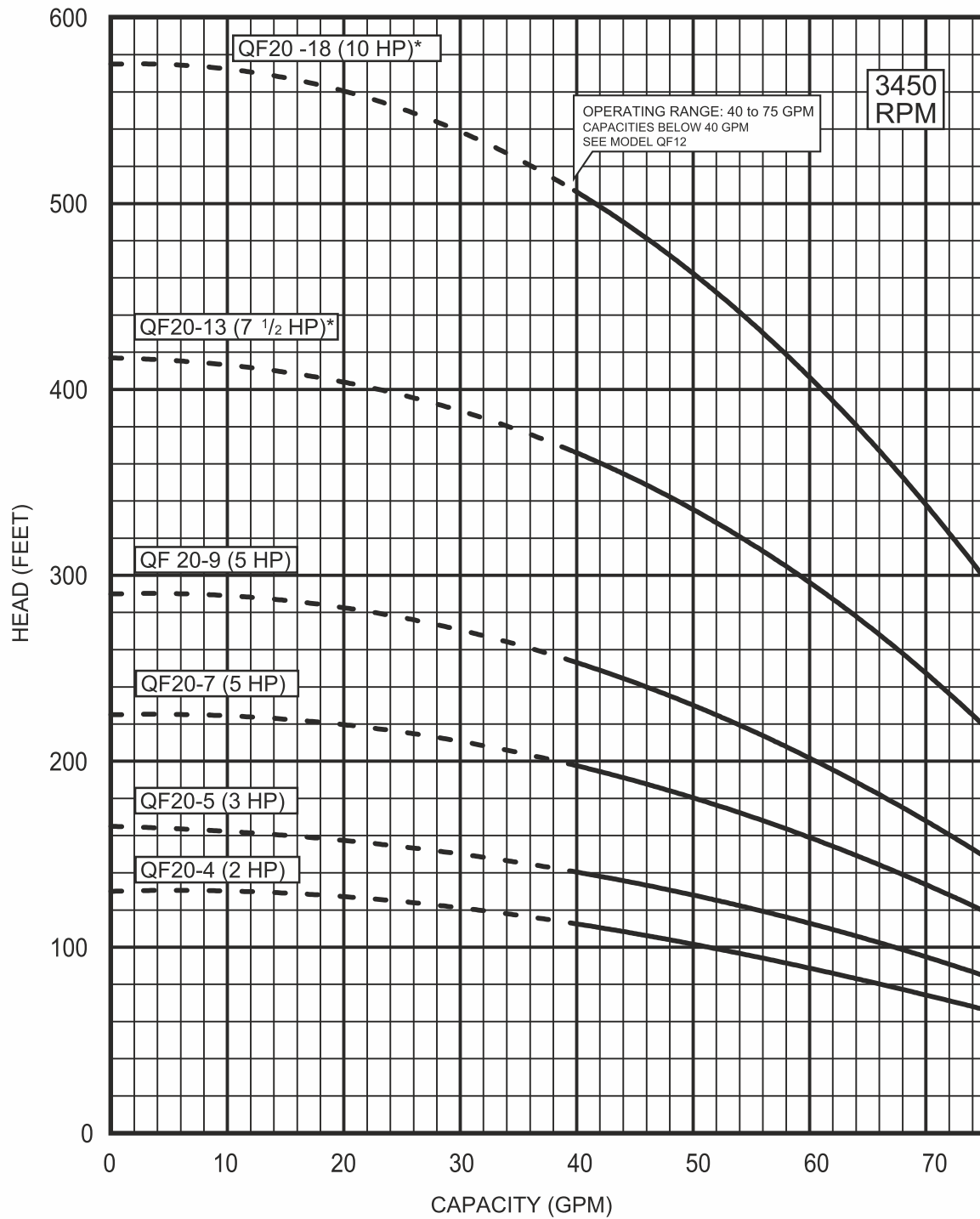
60 GPM

MODEL QF 20

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 QF 20

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 20-4	A	2	4"	1	2"	33.3	15.7	17.6	3.8	3.8	20.9	41.2
				3		33.3	15.7					41.2
QF 20-5	A	3.0	4"	1	2"	41.7	21.5	20.2	3.8	3.8	22.5	54.8
				3		41.7	21.5					54.8
QF 20-7	A	5	4"	1	2"	52.7	27.4	25.3	3.8	3.8	25.4	71.7
				3		48.3	23.0					71.7
QF 20-9	A	5	4"	1	2"	57.8	27.4	30.4	3.8	3.8	28.0	71.7
				3		53.4	23.0					71.7
QF 20-13*	A	7.5	4"	3	2"	71.2	30.5	40.7	3.8	3.8	34.0	79.5
QF 20-18*	A	10	4"	3	2"	86.2	32.8	53.5	3.8	3.8	41.2	81.6

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

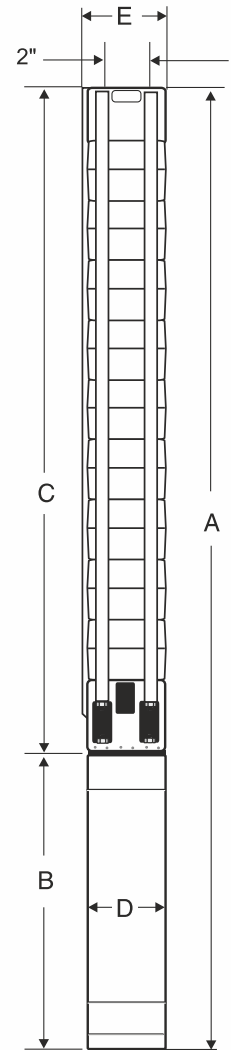
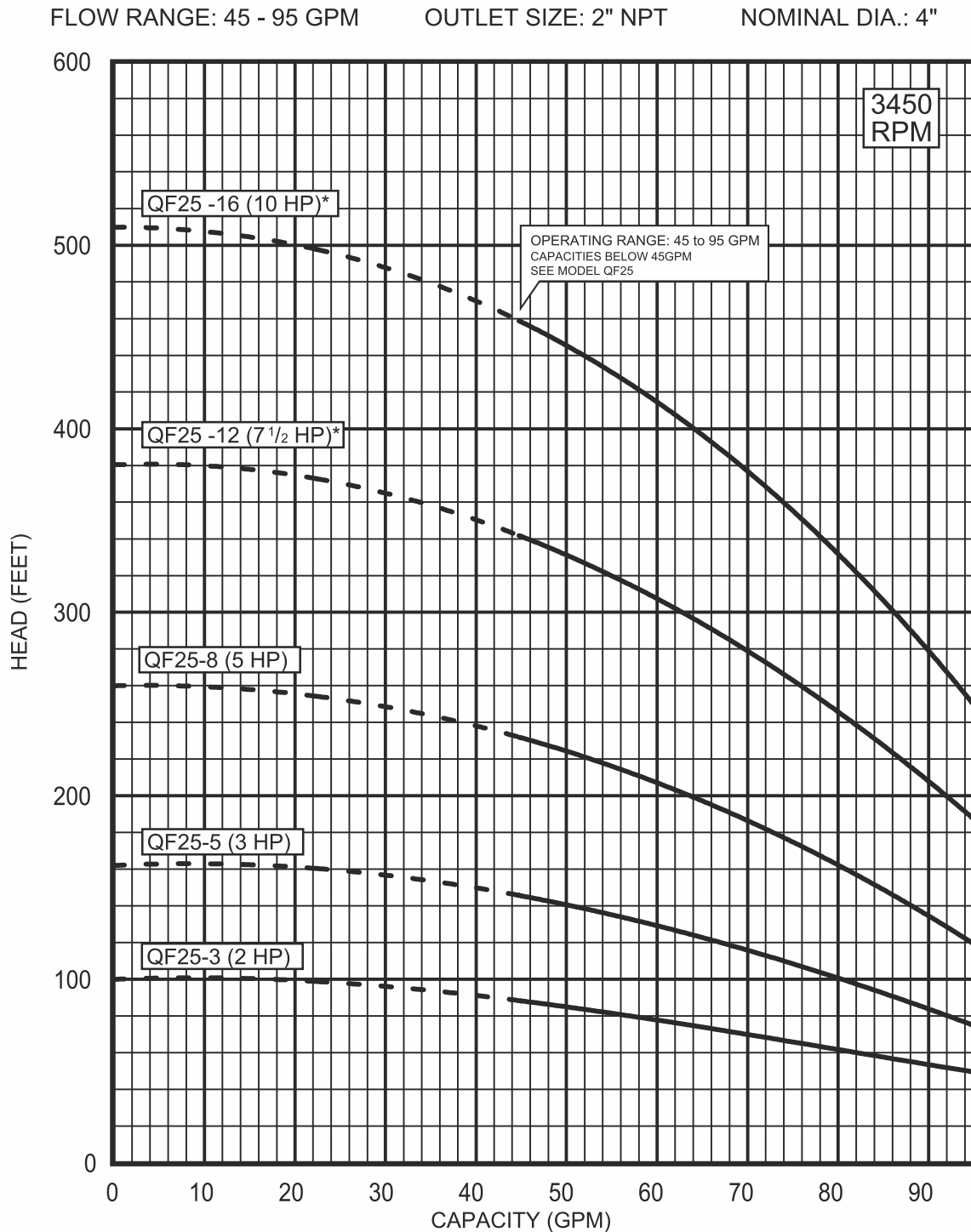


Fig. A

PERFORMANCE CURVE

75 GPM

MODEL QF 25



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 QF 25

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 25-3	A	2.0	4"	1	2"	30.8	15.7	15.1	3.8	3.8	19.5	41.2
				3		30.8	15.7					41.2
QF 25-5	A	3	4"	1	2"	41.7	21.5	20.2	3.8	3.8	22.4	54.8
				3		41.7	21.5					54.8
QF 25-8	A	5	4"	1	2"	55.3	27.4	27.9	3.8	3.8	26.7	71.7
				3		50.9	23.0					71.7
QF 25-12*	A	7.5	4"	3	2"	68.6	30.5	38.1	3.8	3.8	32.4	79.5
QF 25-16*	A	10	4"	3	2"	81.1	32.8	48.3	3.8	3.8	38.1	81.6

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.

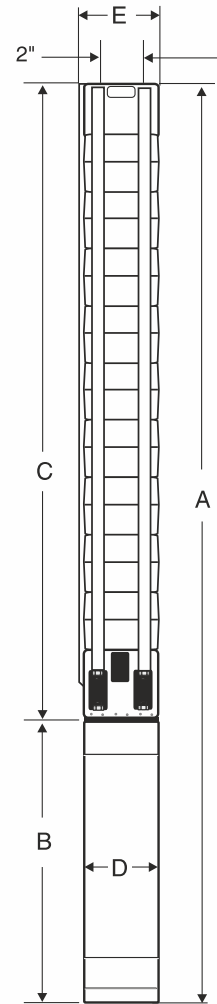


Fig. A

6 Inch, 8 Inch & 10 Inch Submersibles

Performance Curve and Technical Data 6 Inch, 8 Inch & 10 Inch Submersibles



PERFORMANCE CURVE

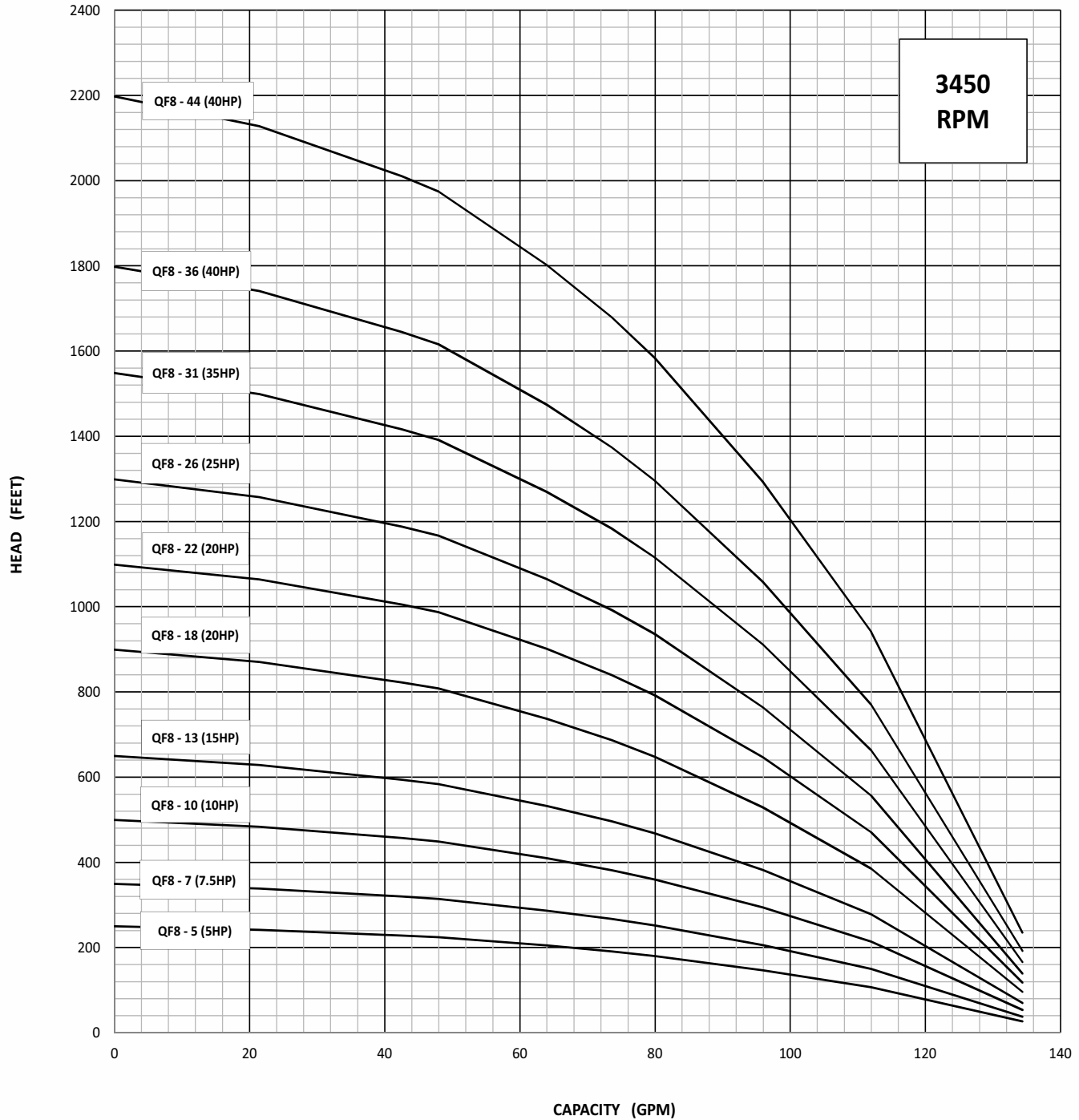
64 GPM

MODEL QF 8

FLOW RANGE: 20-120 GPM

OUTLET SIZE: 2"NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 5-40HP/3450 RPM
 *Alternate motor sizes available.

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

TECHNICAL DATA

64 GPM

MODEL QF 8

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF8 - 5	A	5	6"	3	2"	49.3	27.5	21.8	5.7	5.7	35.1	108.2
QF8 - 7	A	7.5	6"	3	2"	54.0	27.5	26.5	5.7	5.7	40.8	113.2
QF8 - 10	A	10	6"	3	2"	62.0	28.3	33.7	5.7	5.7	49.4	117.3
QF8 - 13	A	15	6"	3	2"	71.5	30.7	40.8	5.7	5.7	58.0	132.1
QF8 - 18	A	20	6"	3	2"	87.1	34.4	52.7	5.7	5.7	72.4	155.8
QF8 - 22	A	20	6"	3	2"	96.6	34.4	62.2	5.7	5.7	83.8	155.8
QF8 - 26	A	25	6"	3	2"	108.0	36.2	71.8	5.7	5.7	95.3	167.6
QF8 - 31	A	30	6"	3	2"	124.1	39.7	84.4	5.7	5.7	109.6	185.5
QF8 - 36	A	40	6"	3	2"	144.1	47.8	96.3	5.7	5.7	125.1	227.1
QF8 - 44	A	40	6"	3	2"	163.2	47.8	115.4	5.7	5.7	148.2	227.1

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

* Built into sleeve 2" NPT discharge, 8" min. well dia.

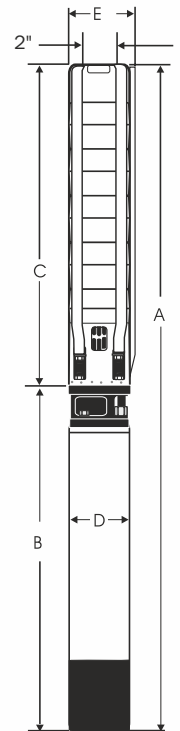


Fig. A

PERFORMANCE CURVE

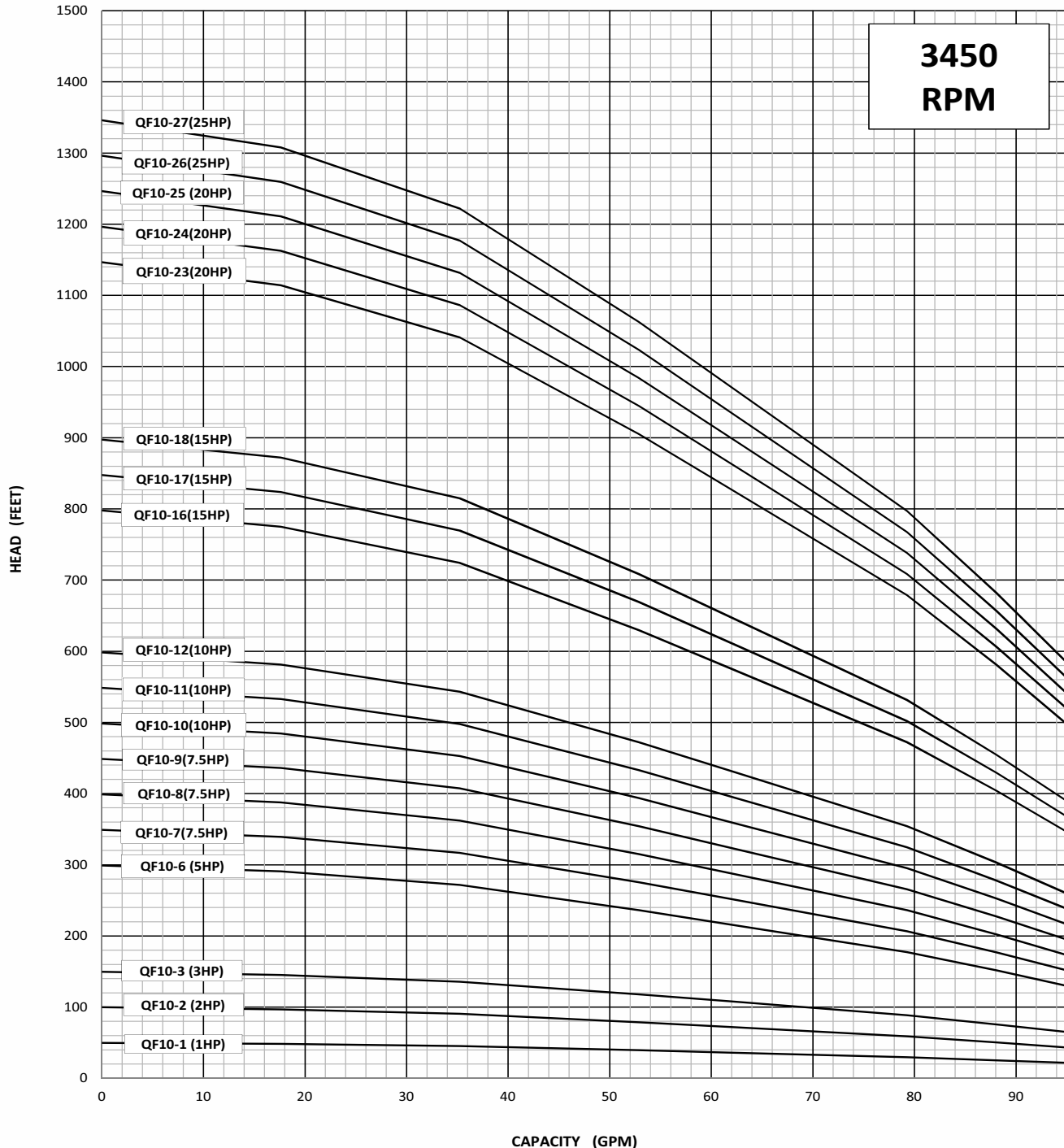
70 GPM

MODEL QF 10

FLOW RANGE: 30-90 GPM

OUTLET SIZE: 3"NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 1-7.5HP/3450 RPM

6" MOTOR STANDARD, 10-40HP/3450 RPM

*Alternate motor sizes available.

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

PERFORMANCE CURVE

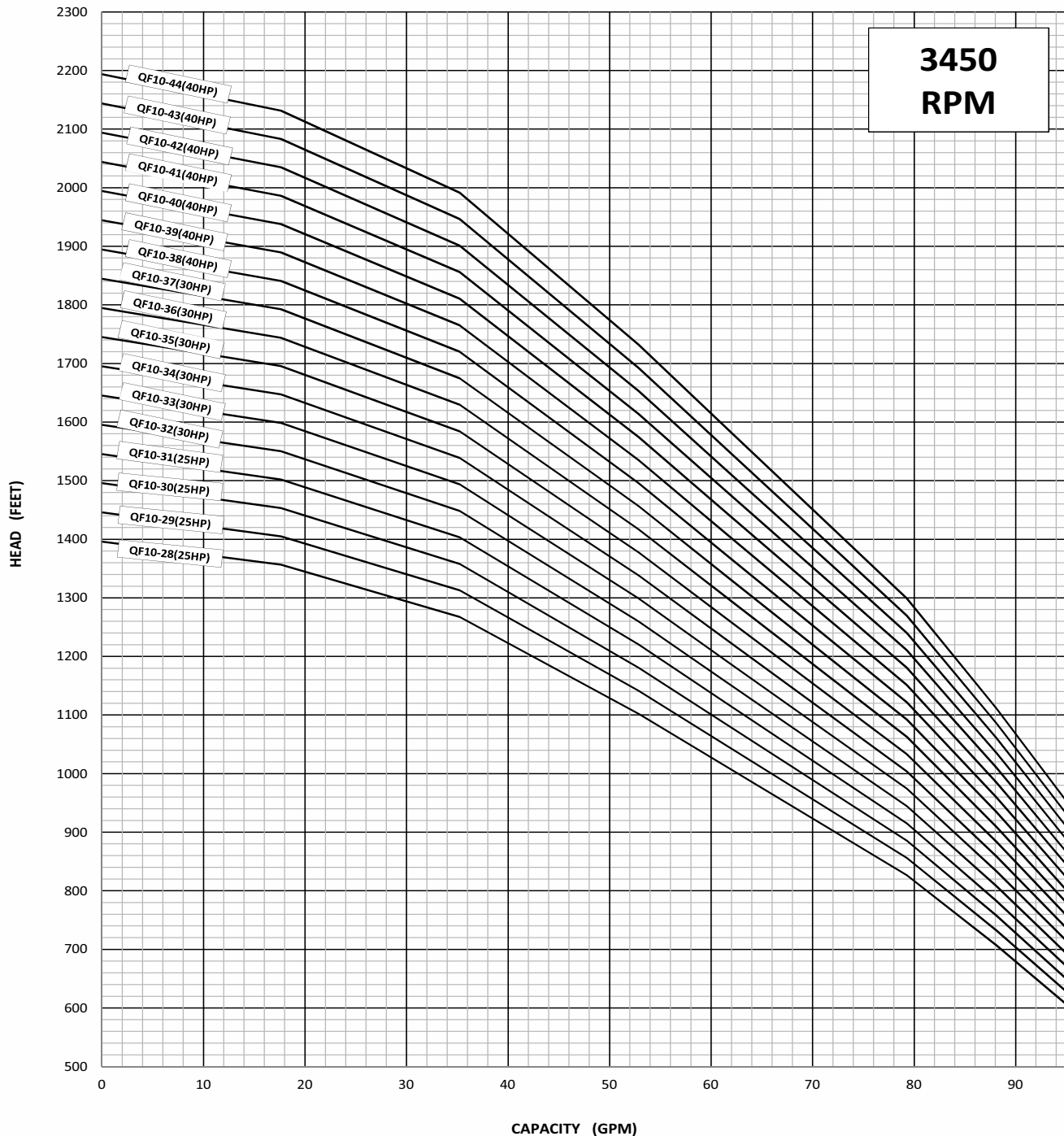
70 GPM

MODEL QF 10

FLOW RANGE: 30-90 GPM

OUTLET SIZE: 3"NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 1-7.5HP/3450 RPM
 6" MOTOR STANDARD, 10-40HP/3450 RPM
 *Alternate motor sizes available.

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

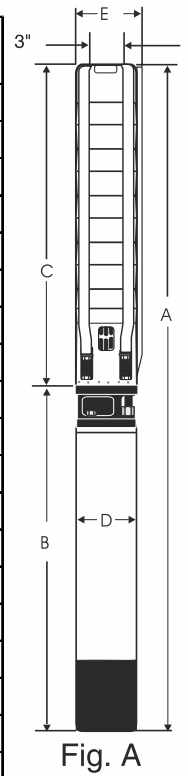
TECHNICAL DATA

70 GPM

MODEL QF 10

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 10-1	A	1	4"	1	3"	22.9	11.3	11.6	3.8	5.0	21.4	30.9
				3		22.9	11.3					30.9
QF 10-2	A	2	4"	1	3"	29.7	15.7	14.0	3.8	5.0	24.2	41.3
				3		29.7	15.7					41.3
QF 10-3	A	3	4"	1	3"	37.9	21.5	16.4	3.8	5.0	27.1	54.8
				3		37.9	21.5					54.8
QF 10-6	A	5	4"	1	3"	50.9	27.4	23.5	3.8	5.0	35.7	71.4
				3		46.5	23.0					71.7
QF 10-7	A	7.5	4"	3	3"	56.4	30.5	25.9	3.8	5.0	38.6	79.5
QF 10-8	A	7.5	4"	3	3"	58.8	30.5	28.3	3.8	5.0	41.4	79.5
QF 10-9	A	7.5	4"	3	3"	61.2	30.5	30.7	3.8	5.0	44.3	79.5
QF 10-10	A	10	6"	3	3"	62.0	28.3	33.7	5.7	5.7	50.0	117.3
QF 10-11	A	10	6"	3	3"	64.4	28.3	36.0	5.7	5.7	52.9	117.3
QF 10-12	A	10	6"	3	3"	66.7	28.3	38.4	5.7	5.7	55.8	117.3
QF 10-16	A	15	6"	3	3"	78.6	30.7	48.0	5.7	5.7	67.2	132.1
QF 10-17	A	15	6"	3	3"	81.0	30.7	50.3	5.7	5.7	70.1	132.1
QF 10-18	A	15	6"	3	3"	83.4	30.7	52.7	5.7	5.7	73.0	132.1
QF 10-23	A	20	6"	3	3"	99.0	34.4	64.6	5.7	5.7	87.3	155.7
QF 10-24	A	20	6"	3	3"	101.4	34.4	67.0	5.7	5.7	90.2	155.7
QF 10-25	A	20	6"	3	3"	103.8	34.4	69.4	5.7	5.7	93.0	155.7
QF 10-26	A	25	6"	3	3"	108.0	36.2	71.8	5.7	5.7	95.9	167.5
QF 10-27	A	25	6"	3	3"	110.3	36.2	74.2	5.7	5.7	98.8	167.5
QF 10-28	A	25	6"	3	3"	112.7	36.2	76.5	5.7	5.7	101.6	167.5
QF 10-29	A	25	6"	3	3"	115.1	36.2	78.9	5.7	5.7	104.5	167.5
QF 10-30	A	25	6"	3	3"	118.2	36.2	82.0	5.7	5.7	107.4	167.5
QF 10-31	A	25	6"	3	3"	120.6	36.2	84.4	5.7	5.7	110.2	167.5
QF 10-32	A	30	6"	3	3"	126.5	39.7	86.8	5.7	5.7	113.1	185.4
QF 10-33	A	30	6"	3	3"	128.9	39.7	89.2	5.7	5.7	116.0	185.4
QF 10-34	A	30	6"	3	3"	131.3	39.7	91.5	5.7	5.7	119.9	185.4
QF 10-35	A	30	6"	3	3"	133.6	39.7	93.9	5.7	5.7	122.8	185.4
QF 10-36	A	30	6"	3	3"	136.0	39.7	96.3	5.7	5.7	125.7	185.4
QF 10-37	A	30	6"	3	3"	138.4	39.7	98.7	5.7	5.7	128.5	185.4
QF 10-38	A	40	6"	3	3"	148.9	47.8	101.1	5.7	5.7	131.4	227.1
QF 10-39	A	40	6"	3	3"	151.2	47.8	103.4	5.7	5.7	134.3	227.1
QF 10-40	A	40	6"	3	3"	153.6	47.8	105.8	5.7	5.7	137.1	227.1
QF 10-41	A	40	6"	3	3"	156.0	47.8	108.2	5.7	5.7	140.0	227.1
QF 10-42	A	40	6"	3	3"	158.4	47.8	110.6	5.7	5.7	143.1	227.1
QF 10-43	A	40	6"	3	3"	160.8	47.8	113.0	5.7	5.7	146.0	227.1
QF 10-44	A	40	6"	3	3"	163.1	47.8	115.4	5.7	5.7	148.8	227.1



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

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

PERFORMANCE CURVE

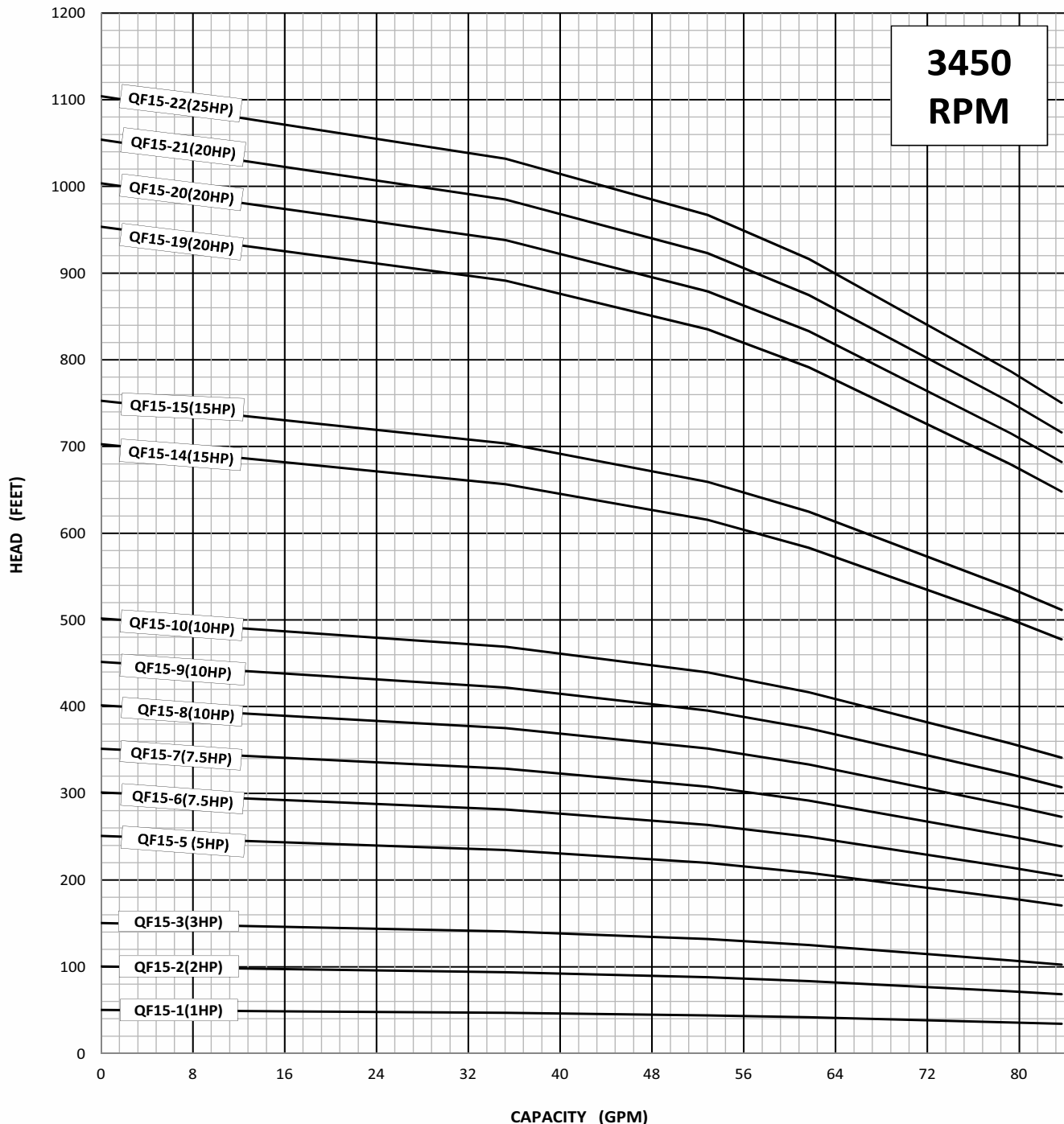
72 GPM

MODEL QF 15

FLOW RANGE: 32-80 GPM

OUTLET SIZE: 3"NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 1-7.5HP/3450 RPM
 6" MOTOR STANDARD, 10-50HP/3450 RPM
 *Alternate motor sizes available.

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

PERFORMANCE CURVE

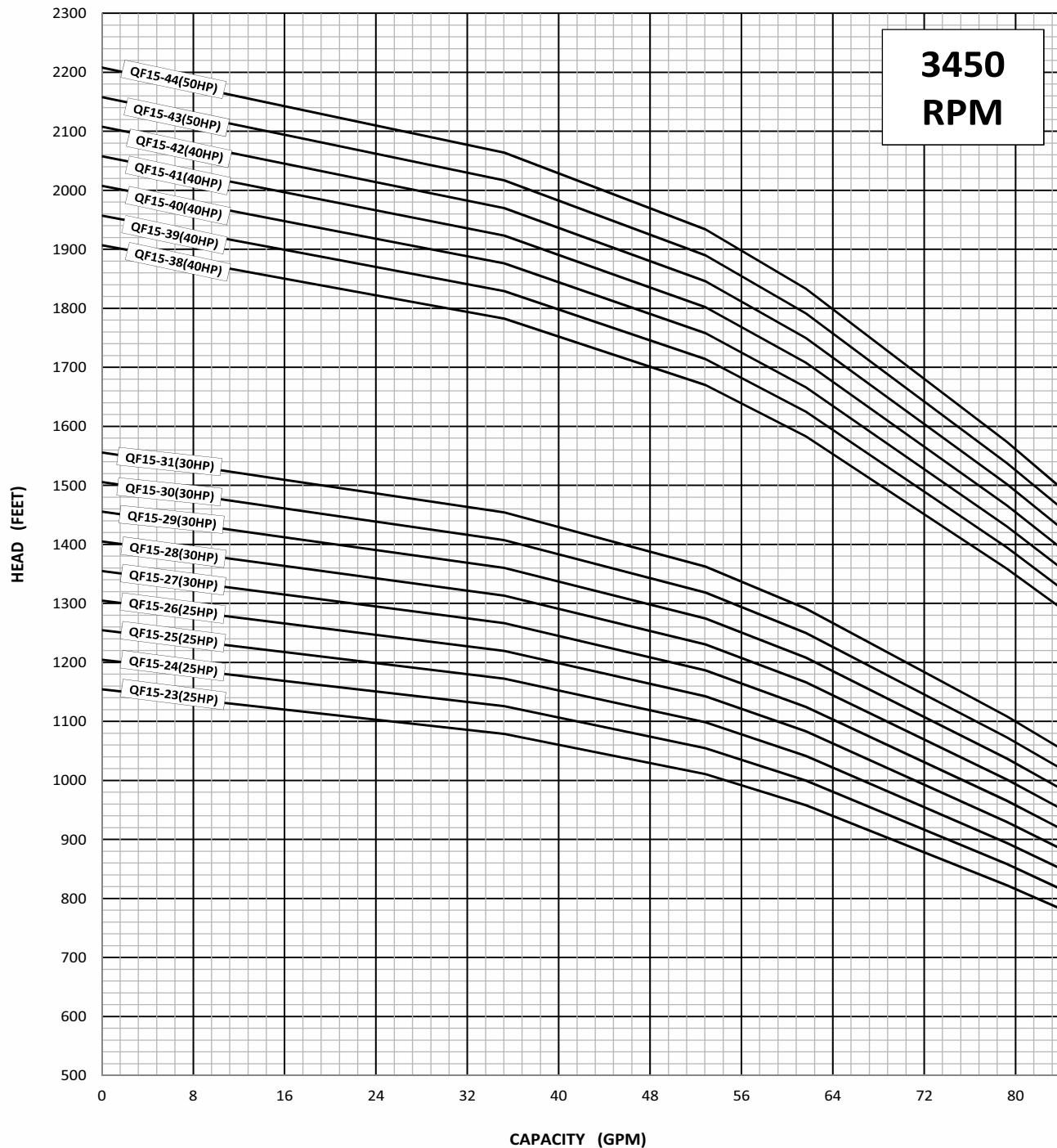
72 GPM

MODEL QF 15

FLOW RANGE: 32-80 GPM

OUTLET SIZE: 3"NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

4" MOTOR STANDARD, 1-7.5HP/3450 RPM

6" MOTOR STANDARD, 10-50HP/3450 RPM

*Alternate motor sizes available.

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

TECHNICAL DATA

72 GPM

MODEL QF 15

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 15-1	A	1	4"	1	3"	22.9	11.3	11.6	3.8	5.0	21.4	30.9
				3		22.9	11.3				21.4	30.9
QF 15-2	A	2	4"	1	3"	29.7	15.7	14.0	3.8	5.0	24.2	41.3
				3		29.7	15.7				24.2	41.3
QF 15-3	A	3	4"	1	3"	37.9	21.5	16.4	3.8	5.0	27.1	54.8
				3		37.9	21.5				27.1	54.8
QF 15-5	A	5	4"	1	3"	48.5	27.4	21.1	3.8	5.0	32.8	71.4
				3		44.1	23.0				32.8	71.4
QF 15-6	A	7.5	4"	3	3"	54.0	30.5	23.5	3.8	5.0	35.7	79.5
QF 15-7	A	7.5	4"	3	3"	56.4	30.5	25.9	3.8	5.0	38.6	79.5
QF 15-8	A	10	6"	3	3"	57.2	28.3	28.9	5.7	5.7	44.3	117.3
QF 15-9	A	10	6"	3	3"	59.6	28.3	31.3	5.7	5.7	47.2	117.3
QF 15-10	A	10	6"	3	3"	62.0	28.3	33.7	5.7	5.7	50.0	117.3
QF 15-14	A	15	6"	3	3"	73.9	30.7	43.2	5.7	5.7	61.5	132.1
QF 15-15	A	15	6"	3	3"	76.2	30.7	45.6	5.7	5.7	64.4	132.1
QF 15-19	A	20	6"	3	3"	89.5	34.4	55.1	5.7	5.7	75.8	155.7
QF 15-20	A	20	6"	3	3"	91.9	34.4	57.5	5.7	5.7	78.7	155.7
QF 15-21	A	20	6"	3	3"	94.3	34.4	59.9	5.7	5.7	81.6	155.7
QF 15-22	A	25	6"	3	3"	98.4	36.2	62.2	5.7	5.7	84.4	167.5
QF 15-23	A	25	6"	3	3"	100.8	36.2	64.6	5.7	5.7	87.3	167.5
QF 15-24	A	25	6"	3	3"	103.2	36.2	67.0	5.7	5.7	90.2	167.5
QF 15-25	A	25	6"	3	3"	105.6	36.2	69.4	5.7	5.7	93.0	167.5
QF 15-26	A	25	6"	3	3"	108.0	36.2	71.8	5.7	5.7	95.9	167.5
QF 15-27	A	30	6"	3	3"	113.9	39.7	74.2	5.7	5.7	98.8	185.4
QF 15-28	A	30	6"	3	3"	116.3	39.7	76.5	5.7	5.7	101.6	185.4
QF 15-29	A	30	6"	3	3"	118.6	39.7	78.9	5.7	5.7	104.5	185.4
QF 15-30	A	30	6"	3	3"	121.7	39.7	82.0	5.7	5.7	107.4	185.4
QF 15-31	A	30	6"	3	3"	124.1	39.7	84.4	5.7	5.7	110.2	185.4
QF 15-38	A	40	6"	3	3"	148.9	47.8	101.1	5.7	5.7	131.4	227.1
QF 15-39	A	40	6"	3	3"	151.2	47.8	103.4	5.7	5.7	134.3	227.1
QF 15-40	A	40	6"	3	3"	153.6	47.8	105.8	5.7	5.7	137.1	227.1
QF 15-41	A	40	6"	3	3"	156.0	47.8	108.2	5.7	5.7	140.0	227.1
QF 15-42	A	40	6"	3	3"	158.4	47.8	110.6	5.7	5.7	143.1	227.1
QF 15-43	A	50	6"	3	3"	163.9	50.9	113.0	5.7	5.7	146.0	244.8
QF 15-44	A	50	6"	3	3"	166.3	50.9	115.4	5.7	5.7	148.8	244.8

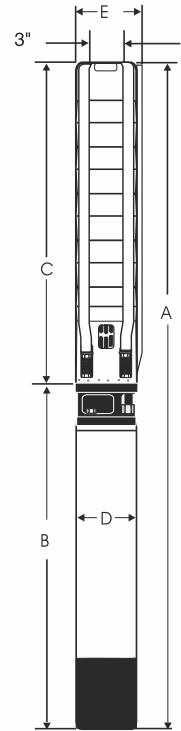


Fig. A

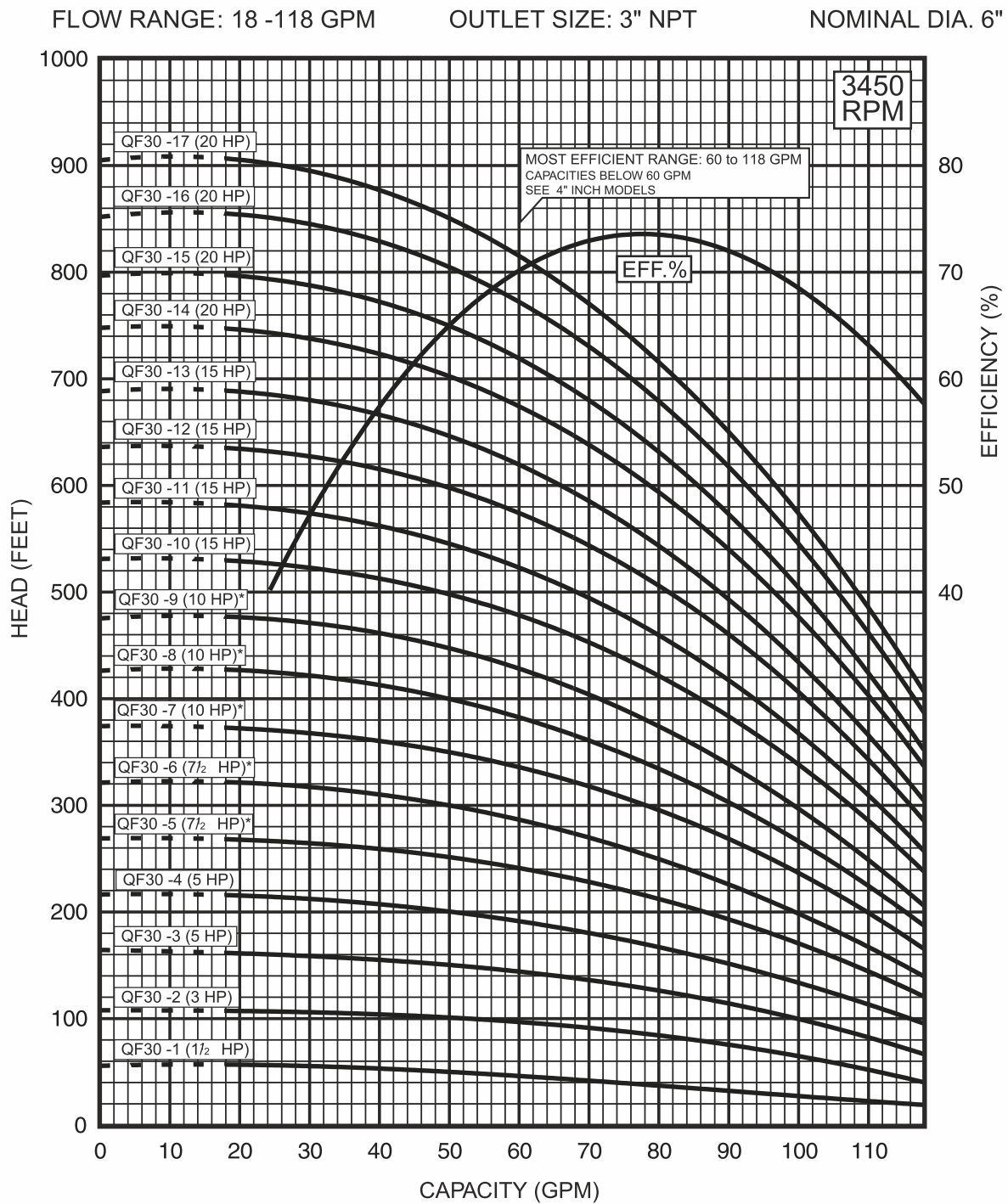
Notes : All models suitable for use in 6" wells, unless otherwise noted.

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

PERFORMANCE CURVE

85 GPM

MODEL QF 30



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.

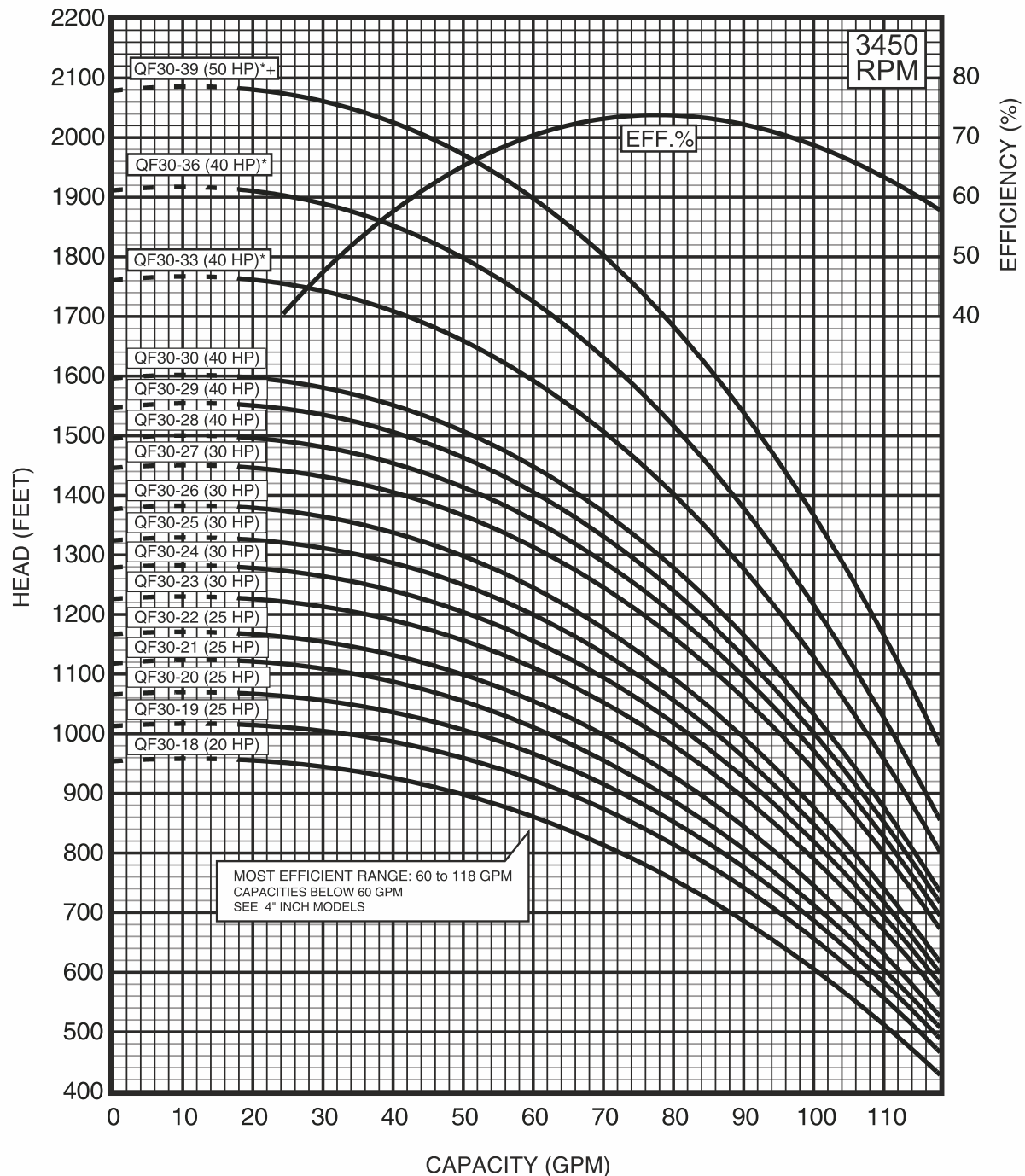
Performance conforms to ISO 9906 Annex A
@ 5 ft. min. submergence.

PERFORMANCE CURVE

85 GPM

MODEL QF 30

FLOW RANGE: 18 -118 GPM OUTLET SIZE: 3" NPT NOMINAL DIA. 6"



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 QF 30

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 30-1	A	1.5	4"	1	3.0"	24.8	13.2	11.6	3.8	5.0	19.9	35.3
				3		24.8	13.2					35.3
QF 30-2	A	3	4"	1	3.0"	35.5	21.5	14.0	3.8	5.0	22.5	54.8
				3		35.5	21.5					54.8
QF 30-3	A	5.0	4"	1	3.0"	43.8	27.4	16.4	3.8	5.0	25.2	71.7
				3		39.4	23.0					71.7
QF 30-4	A	5	4"	1	3.0"	46.2	27.4	18.8	3.8	5.0	27.9	71.7
				3		41.8	23.0					71.7
QF 30-5	A	7.5	4"	3	3.0"	51.6	30.5	21.1	3.8	5.0	30.6	79.5
QF 30-6	A	7.5	4"	3	3.0"	54.0	30.5	23.5	3.8	5.0	33.3	79.5
QF 30-7	A	10	4"	3	3.0"	58.7	32.8	25.9	3.8	5.0	36.0	81.6
QF 30-8	A	10	4"	3	3.0"	61.0	32.8	28.3	3.8	5.0	38.7	81.6
QF 30-9	A	10	4"	3	3.0"	63.4	32.8	30.7	3.8	5.0	41.4	81.6
QF 30-5	A	7.5	6"	3	3.0"	49.3	27.5	21.8	5.7	5.7	30.2	113.3
QF 30-6	A	7.5	6"	3	3.0"	51.6	27.5	24.1	5.7	5.7	35.6	113.3
QF 30-7	A	10	6"	3	3.0"	54.8	28.3	26.5	5.7	5.7	38.4	117.3
QF 30-8	A	10	6"	3	3.0"	57.2	28.3	28.9	5.7	5.7	41.1	117.3
QF 30-9	A	10	6"	3	3.0"	59.6	28.3	31.3	5.7	5.7	43.8	117.3
QF 30-10	A	15	6"	3	3.0"	64.3	30.7	33.7	5.7	5.7	46.5	132.1
QF 30-11	A	15	6"	3	3.0"	66.7	30.7	36.0	5.7	5.7	49.2	132.1
QF 30-12	A	15	6"	3	3.0"	69.1	30.7	38.4	5.7	5.7	51.9	132.1
QF 30-13	A	15	6"	3	3.0"	71.5	30.7	40.8	5.7	5.7	54.6	132.1
QF 30-14	A	20	6"	3	3.0"	77.6	34.4	43.2	5.7	5.7	57.3	155.7
QF 30-15	A	20	6"	3	3.0"	80.0	34.4	45.6	5.7	5.7	60.0	155.7
QF 30-16	A	20	6"	3	3.0"	82.4	34.4	48.0	5.7	5.7	62.8	155.7
QF 30-17	A	20	6"	3	3.0"	84.7	34.4	50.3	5.7	5.7	65.5	155.7
QF 30-18	A	20	6"	3	3.0"	87.1	34.4	52.7	5.7	5.7	68.2	155.7
QF 30-19	A	25	6"	3	3.0"	91.3	36.2	55.1	5.7	5.7	70.9	167.5
QF 30-20	A	25	6"	3	3.0"	93.7	36.2	57.5	5.7	5.7	73.6	167.5
QF 30-21	A	25	6"	3	3.0"	96.1	36.2	59.9	5.7	5.7	76.3	167.5
QF 30-22	A	25	6"	3	3.0"	98.4	36.2	62.2	5.7	5.7	79.1	167.5
QF 30-23	A	30	6"	3	3.0"	104.3	39.7	64.6	5.7	5.7	81.8	185.4
QF 30-24	A	30	6"	3	3.0"	106.7	39.7	67.0	5.7	5.7	84.5	185.4
QF 30-25	A	30	6"	3	3.0"	109.1	39.7	69.4	5.7	5.7	87.2	185.4
QF 30-26	A	30	6"	3	3.0"	111.5	39.7	71.8	5.7	5.7	89.9	185.4
QF 30-27	A	30	6"	3	3.0"	113.9	39.7	74.2	5.7	5.7	92.6	185.4
QF 30-28	A	40	6"	3	3.0"	124.3	47.8	76.5	5.7	5.7	95.3	227.1
QF 30-29	A	40	6"	3	3.0"	126.7	47.8	78.9	5.7	5.7	98.1	227.1
QF 30-30	A	40	6"	3	3.0"	129.8	47.8	82.0	5.7	5.7	102.8	227.1
QF 30-33*	B	40	6"	3	3.0"	137.0	47.8	89.2	5.7	5.7	110.9	227.1
QF 30-36*	B	40	6"	3	3.0"	144.1	47.8	96.3	5.7	5.7	120.5	227.1
QF 30-39*	B	50	6"	3	3.0"	154.3	50.9	103.4	5.7	5.7	128.8	244.7
QF 30-33*	B	40	8"	3	3.0"	135.1	44.8	90.3	7.6	7.6	117.6	328.5
QF 30-36*	B	40	8"	3	3.0"	142.2	44.8	97.4	7.6	7.6	127.1	328.5
QF 30-39*	B	50	8"	3	3.0"	149.4	44.8	104.6	7.6	7.6	135.4	328.5

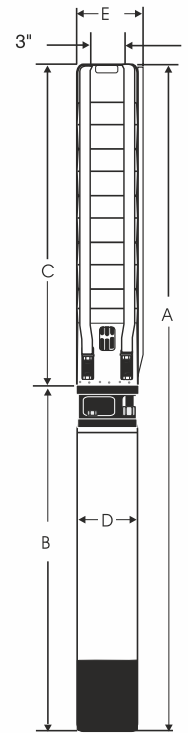


Fig. A

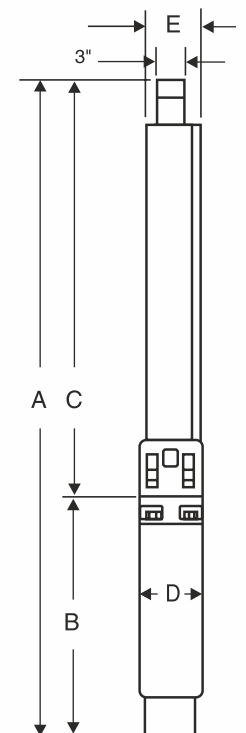


Fig. B

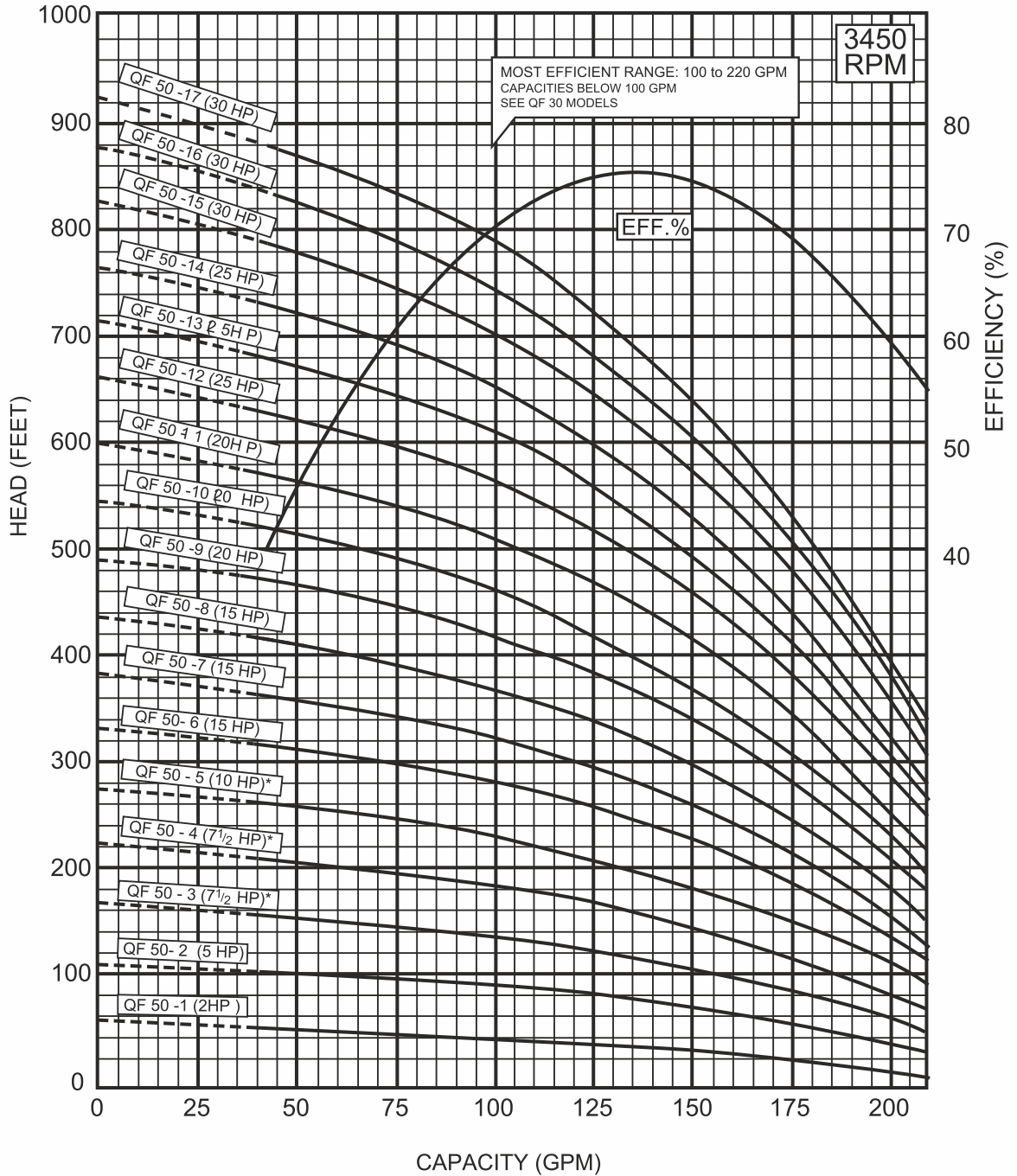
NOTES: All models suitable for use in 6" wells, unless otherwise noted.
 * Built into sleeve 3" NPT discharge, 8" min. well dia.

PERFORMANCE CURVE

150 GPM

MODEL QF 50

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

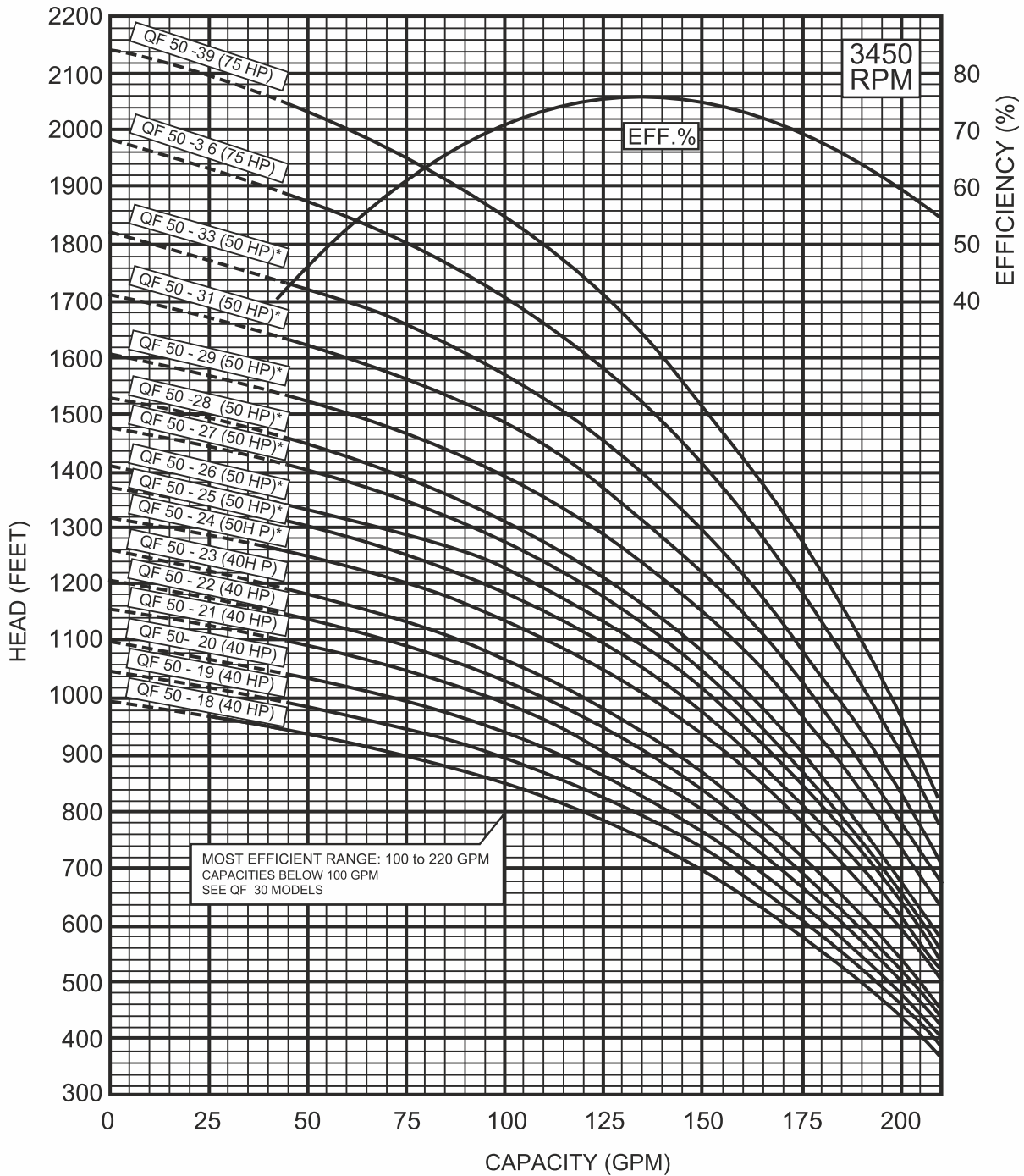
Performance conforms to ISO 9906 Annex A @ 5 ft. min. submergence.

PERFORMANCE CURVE

150 GPM

MODEL QF 50

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



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 QF 50

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 50-1	A	2.0	4"	1	3.0"	28.7	15.7	13.0	3.8	5.0	21.2	41.2
						3	28.7					15.7
QF 50-2	A	5	4"	1	3.0"	44.2	27.4	16.8	3.8	5.0	25.3	71.7
						3	39.8					23.0
QF 50-3	A	7.5	4"	3	3.0"	51.1	30.5	20.6	3.8	5.0	29.3	79.5
QF 50-5	A	10	4"	3	3.0"	60.9	32.8	28.1	3.8	5.0	37.4	81.6
QF 50-5	A	10	6"	3	3.0"	57.0	28.3	28.7	5.7	5.7	39.3	117.3
QF 50-6	A	15	6"	3	3.0"	63.2	30.7	32.5	5.7	5.7	43.4	132.1
QF 50-7	A	15	6"	3	3.0"	67.0	30.7	36.3	5.7	5.7	47.4	132.1
QF 50-8	A	15	6"	3	3.0"	70.7	30.7	40.1	5.7	5.7	51.5	132.1
QF 50-9	A	20	6"	3	3.0"	78.3	34.4	43.9	5.7	5.7	55.5	155.8
QF 50-10	A	20	6"	3	3.0"	82.0	34.4	47.6	5.7	5.7	59.6	155.8
QF 50-11	A	20	6"	3	3.0"	85.8	34.4	51.4	5.7	5.7	63.6	155.8
QF 50-12	A	25	6"	3	3.0"	91.4	36.2	55.2	5.7	5.7	67.7	167.6
QF 50-13	A	25	6"	3	3.0"	95.2	36.2	59.0	5.7	5.7	71.7	167.6
QF 50-14	A	25	6"	3	3.0"	98.9	36.2	62.8	5.7	5.7	75.8	167.6
QF 50-15	A	30	6"	3	3.0"	106.3	39.7	66.5	5.7	5.7	79.8	185.5
QF 50-16	A	30	6"	3	3.0"	110.0	39.7	70.3	5.7	5.7	83.9	185.5
QF 50-17	A	30	6"	3	3.0"	113.8	39.7	74.1	5.7	5.7	87.9	185.5
QF 50-18	A	40	6"	3	3.0"	125.7	47.8	77.9	5.7	5.7	92.0	227.1
QF 50-19	A	40	6"	3	3.0"	129.4	47.8	81.7	5.7	5.7	96.0	227.1
QF 50-20	A	40	6"	3	3.0"	133.2	47.8	85.4	5.7	5.7	100.1	227.1
QF 50-21	A	40	6"	3	3.0"	137.0	47.8	89.2	5.7	5.7	104.1	227.1
QF 50-22	A	40	6"	3	3.0"	140.8	47.8	93.0	5.7	5.7	109.6	227.1
QF 50-23	A	40	6"	3	3.0"	144.6	47.8	96.8	5.7	5.7	113.7	227.1
QF 50-24	A	50	6"	3	3.0"	151.5	50.9	100.6	5.7	5.7	117.8	244.8
QF 50-25	A	50	6"	3	3.0"	155.3	50.9	104.3	5.7	5.7	121.9	244.8
QF 50-26	A	50	6"	3	3.0"	159.1	50.9	108.1	5.7	5.7	126.0	244.8
QF 50-27	A	50	6"	3	3.0"	162.8	50.9	111.9	5.7	5.7	130.2	244.8
QF 50-28	A	50	6"	3	3.0"	166.6	50.9	115.7	5.7	5.7	134.3	244.8
QF 50-29	A	50	6"	3	3.0"	170.4	50.9	119.4	5.7	5.7	138.3	244.8
QF 50-31	A	50	8"	3	3.0"	173.0	44.9	128.1	7.6	7.6	156.1	328.5
QF 50-33	A	50	8"	3	3.0"	180.6	44.9	135.7	7.6	7.6	164.4	328.5
QF 50-24	A	50	8"	3	3.0"	146.6	44.9	101.7	7.6	7.6	127.1	328.5
QF 50-25	A	50	8"	3	3.0"	150.3	44.9	105.5	7.6	7.6	131.2	328.5
QF 50-26	A	50	8"	3	3.0"	154.1	44.9	109.2	7.6	7.6	135.4	328.5
QF 50-27	A	50	8"	3	3.0"	157.9	44.9	113.0	7.6	7.6	139.5	328.5
QF 50-28	A	50	8"	3	3.0"	161.7	44.9	116.8	7.6	7.6	143.7	328.5
QF 50-29*	B	60	8"	3	3.0"	169.0	48.4	120.6	7.6	7.6	147.8	377.1
QF 50-31*	B	60	8"	3	3.0"	176.6	48.4	128.1	7.6	7.6	156.1	377.1
QF 50-33*	B	60	8"	3	3.0"	184.1	48.4	135.7	7.6	7.6	164.4	377.1

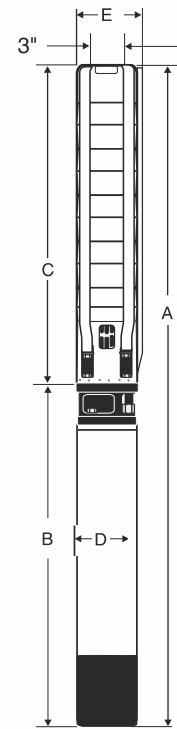


Fig. A

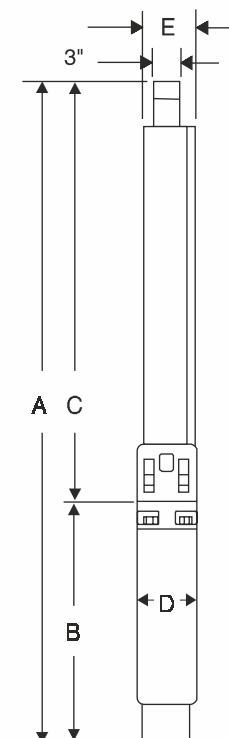


Fig. B

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

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

PERFORMANCE CURVE

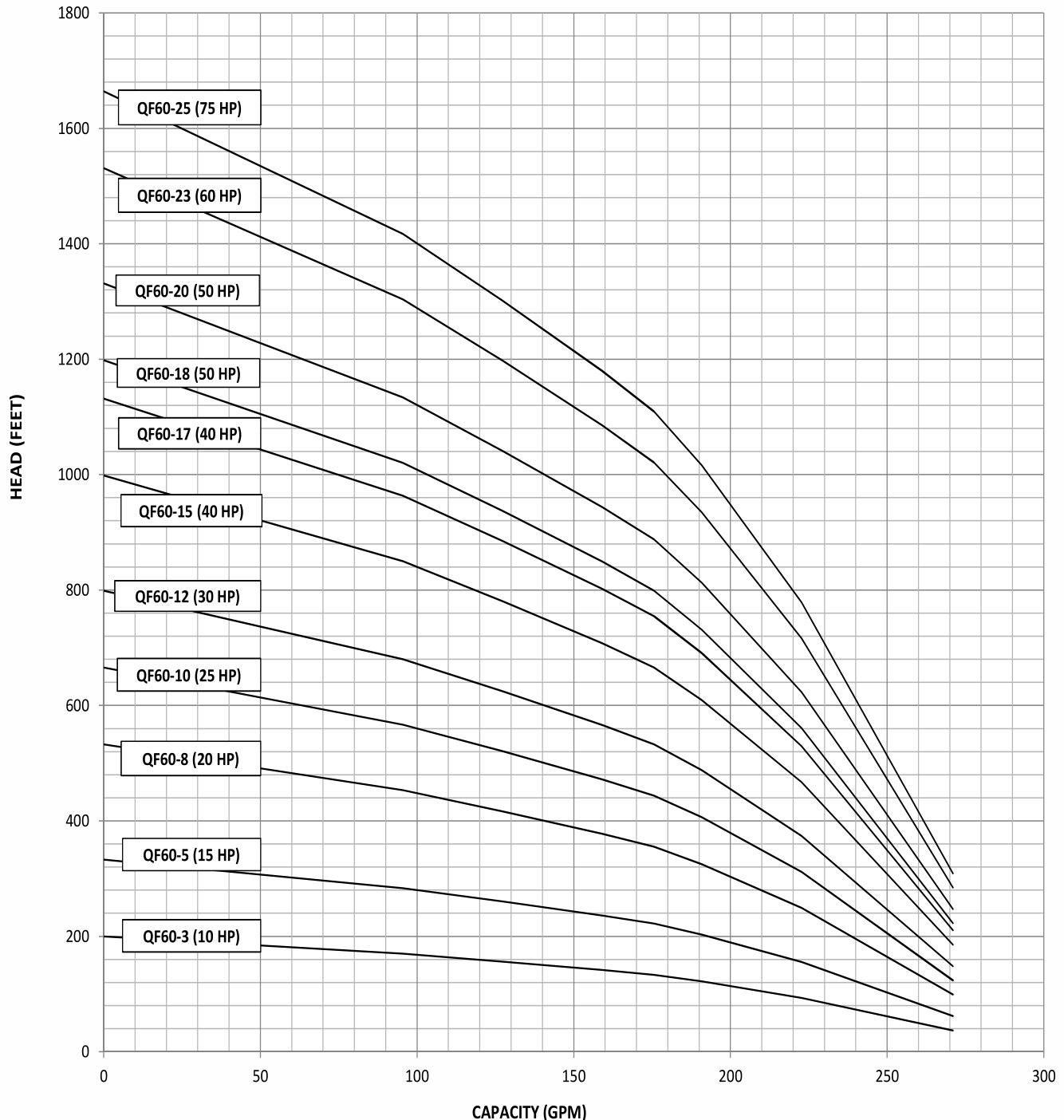
200 GPM

MODEL QF 60

FLOW RANGE: 50-250 GPM

OUTLET SIZE: 3"NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

6" MOTOR STANDARD, 10-40HP/3450 RPM

8" MOTOR STANDARD, 50-75HP/3525 RPM

*Alternate motor sizes available.

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

TECHNICAL DATA

200 GPM

MODEL QF 60

PUMP TYPE	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF60-3	A	10.0	6"	3	3"	48.8	28.3	20.5	5.7	5.7	35.3	117.3
QF60-5	A	12.5	6"	3	3"	56.7	29.5	27.2	5.7	5.7	44.1	129.4
QF60-8	A	20.0	6"	3	3"	71.7	34.4	37.3	5.7	5.7	57.3	155.8
QF60-10	A	25.0	6"	3	3"	80.2	36.2	44.1	5.7	5.7	66.1	167.6
QF60-12	A	30.0	6"	3	3"	90.5	39.7	50.8	5.7	5.7	75.0	185.4
QF60-15	A	40.0	6"	3	3"	108.7	47.8	60.9	5.7	5.7	88.2	227.1
QF60-17	A	40.0	6"	3	3"	115.4	47.8	67.6	5.7	5.7	97.0	227.1
QF60-18	A	50.0	8"	3	3"	117.0	44.9	72.1	7.6	7.6	105.8	328.5
QF60-20	A	50.0	8"	3	3"	123.7	44.9	78.8	7.6	7.6	114.6	328.5
QF60-23	A	60.0	8"	3	3"	137.4	48.4	88.9	7.6	7.6	127.9	377.0
QF60-25	A	75.0	8"	3	3"	148.4	52.8	95.7	7.6	7.6	136.7	405.7

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

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

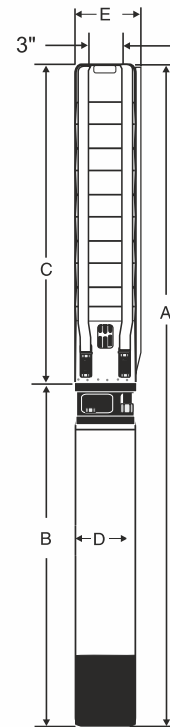


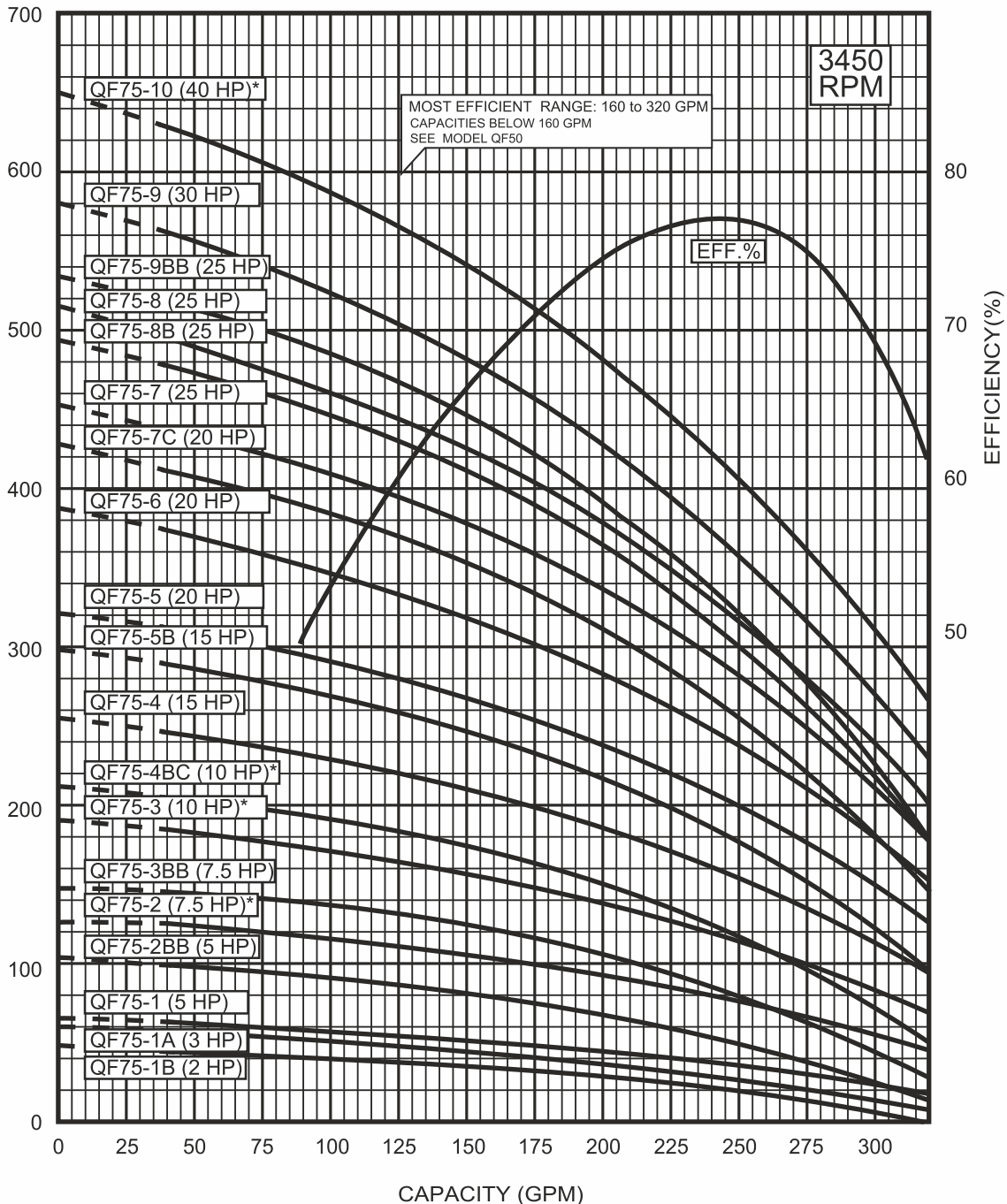
Fig. A

PERFORMANCE CURVE

230 GPM

MODEL QF 75

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.

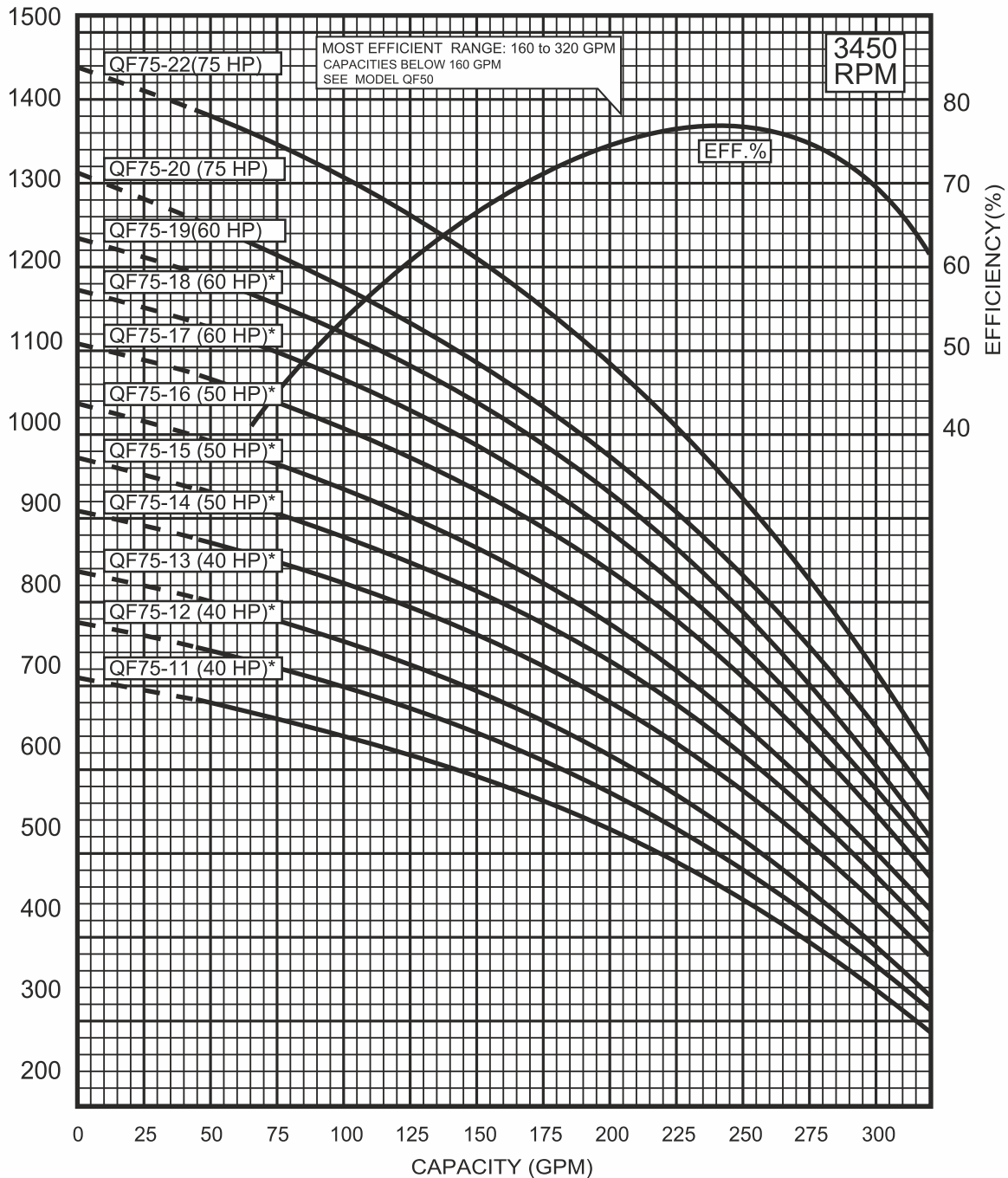
Performance conforms to ISO 9906 Annex A
 @ 8 ft. min. submergence.

PERFORMANCE CURVE

230 GPM

MODEL QF 75

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.

TECHNICAL DATA

230 GPM

MODEL QF 75

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 75-1-B	A	2	4"	1	3"	29.6	15.7	13.9	3.8	5.4	22.6	41.2
				3		29.6	15.7					41.2
QF 75-1-A	A	3	4"	1	3"	35.4	21.5	13.9	3.8	5.4	22.6	54.8
				3		35.4	21.5					54.8
QF 75-1	A	5	4"	1	3"	41.3	27.4	13.9	3.8	5.4	22.6	71.7
				3		36.9	23.0					71.7
QF 75-2-AB	A	5	4"	1	3"	45.7	27.4	18.3	3.8	5.4	27.6	71.7
				3		41.3	23.0					71.7
QF 75-2	A	7.5	4"	3	3"	48.8	30.5	18.3	3.8	5.4	27.6	79.5
QF 75-2	A	7.5	6"	3	3"	46.4	27.5	18.9	5.7	5.7	29.3	113.3
QF 75-3-BB	A	7.5	4"	3	3"	53.3	30.5	22.8	3.8	5.4	32.7	79.5
QF 75-3-BB	A	7.5	6"	3	3"	50.9	27.5	23.4	5.7	5.7	34.4	113.3
QF 75-3	A	10	4"	3	3"	55.5	32.8	22.8	3.8	5.4	32.7	81.6
QF 75-3	A	10	6"	3	3"	51.7	28.3	23.4	5.7	5.7	34.4	117.3
QF 75-4-BC	A	10	4"	3	3"	60.0	32.8	27.2	3.8	5.4	37.8	81.6
QF 75-4-BC	A	10	6"	3	3"	56.1	28.3	27.8	5.7	5.7	39.5	117.3
QF 75-4	A	15.0	6"	3	3"	58.5	30.7	27.8	5.7	5.7	39.5	132.1
QF 75-5-B	A	15.0	6"	3	3"	62.9	30.7	32.3	5.7	5.7	44.5	132.1
QF 75-5	A	20	6"	3	3"	66.7	34.4	32.3	5.7	5.7	44.5	155.8
QF 75-6	A	20	6"	3	3"	71.1	34.4	36.7	5.7	5.7	49.4	155.8
QF 75-7-C	A	20	6"	3	3"	75.6	34.4	41.2	5.7	5.7	54.4	155.8
QF 75-7	A	25	6"	3	3"	77.3	36.2	41.2	5.7	5.7	54.4	167.6
QF 75-8-B	A	25	6"	3	3"	81.8	36.2	45.6	5.7	5.7	59.4	167.6
QF 75-8	A	25	6"	3	3"	81.8	36.2	45.6	5.7	5.7	59.4	167.6
QF 75-9-BB	A	25.0	6"	3	3"	86.2	36.2	50.1	5.7	5.7	64.4	167.6
QF 75-9	A	30.0	6"	3	3"	89.8	39.7	50.1	5.7	5.7	64.4	185.5
QF 75-10*	A	40	6"	3	3"	102.3	47.8	54.5	5.7	5.7	69.4	227.1
QF 75-11*	A	40	6"	3	3"	106.8	47.8	59.0	5.7	5.7	74.4	227.1
QF 75-12*	A	40	6"	3	3"	111.2	47.8	63.4	5.7	5.7	79.4	227.1
QF 75-13*	A	40	6"	3	3"	115.6	47.8	67.9	5.7	5.7	84.3	227.1
QF 75-14*	A	50	6"	3	3"	123.2	50.9	72.3	5.7	5.7	89.3	244.8
QF 75-15*	A	50	6"	3	3"	127.7	50.9	76.8	5.7	5.7	94.3	244.8
QF 75-16*	A	50.0	6"	3	3"	132.1	50.9	81.2	5.7	5.7	99.3	244.8
QF 75-17	A	60.0	8"	3	3"	135.2	48.4	86.8	7.6	7.6	113.3	377.1
QF 75-18	A	60	8"	3	3"	139.6	48.4	91.2	7.6	7.6	118.4	377.1
QF 75-19	A	60	8"	3	3"	144.1	48.4	95.7	7.6	7.6	123.4	377.1
QF 75-20**	B	75	8"	3	4"	153.3	52.8	100.6	7.6	7.6	129.6	405.7
QF 75-22**	B	75	8"	3	4"	162.2	52.8	109.5	7.6	7.6	141.2	405.7

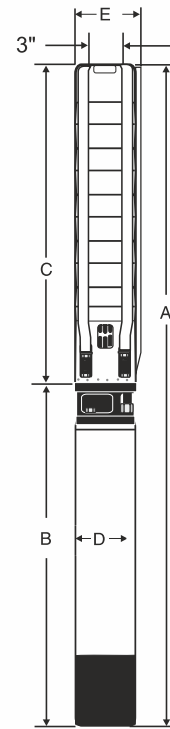


Fig. A

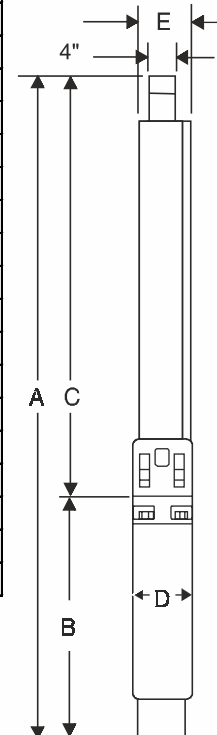


Fig. B

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.

PERFORMANCE CURVE

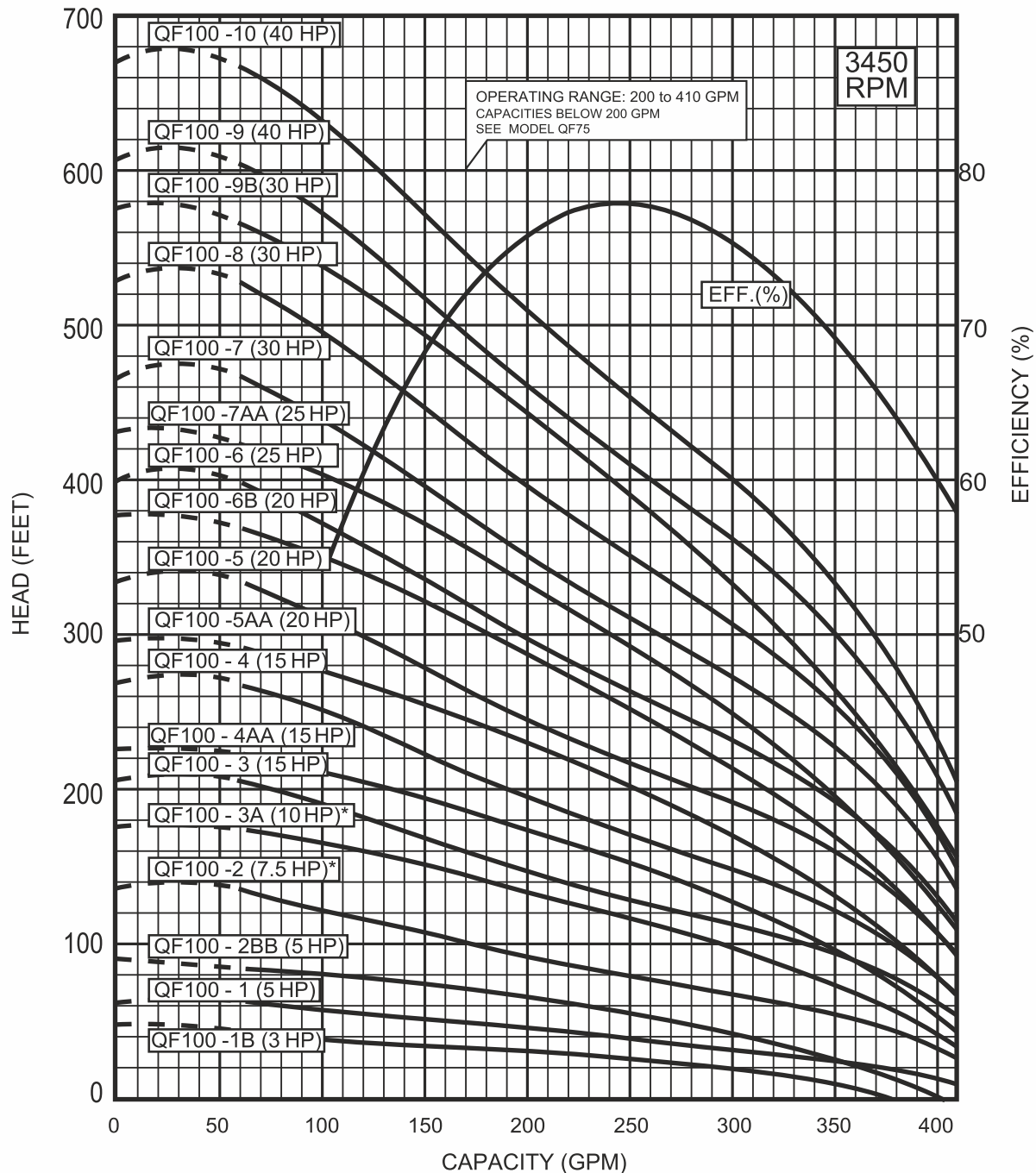
300 GPM

MODEL QF 100

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.

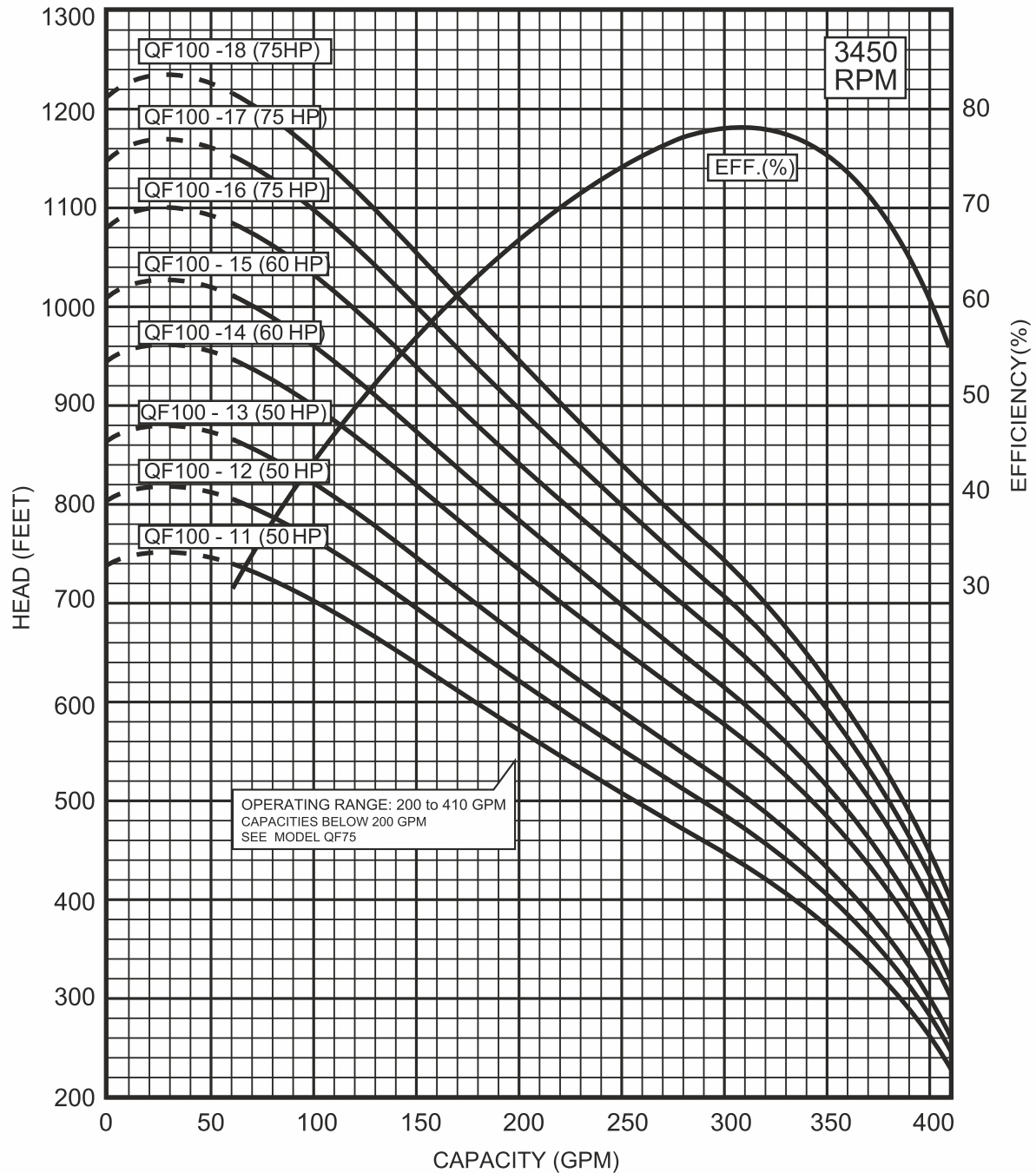
Performance conforms to ISO 9906 Annex A
 @ 8 ft. min. submergence.

PERFORMANCE CURVE

300 GPM

MODEL QF 100

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.

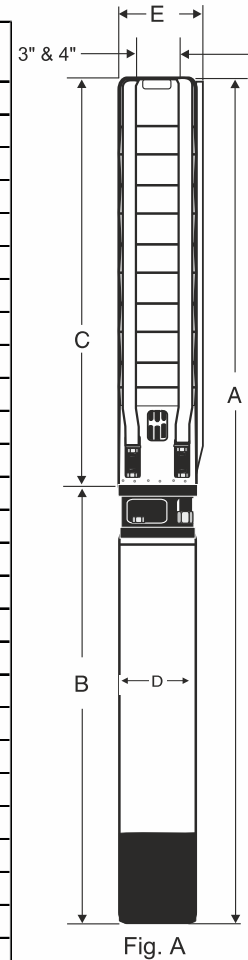
TECHNICAL DATA

300 GPM

MODEL QF 100

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 100-1-B	A	3	4"	1	3"	35.4	21.5	13.9	3.8	5.4	22.6	54.8
						35.4	21.5					54.8
QF 100-1	A	5	4"	1	3"	41.3	27.4	13.9	3.8	5.4	22.6	71.7
						36.9	23.0					71.7
QF 100-2-BB	A	5	4"	1	3"	45.7	27.4	18.3	3.8	5.4	27.5	71.7
						41.3	23.0					71.7
QF 100-2	A	7.5	4"	3	3"	48.8	30.5	18.3	3.8	5.4	27.5	79.5
QF 100-2*	A	7.5	6"	3	3"	46.4	27.5	18.9	5.7	5.7	29.5	113.3
QF 100-3-A	A	10	4"	3	3"	55.5	32.8	22.8	3.8	5.4	32.4	81.6
QF 100-3-A	A	10	6"	3	3"	51.7	28.3	23.4	5.7	5.7	34.3	117.3
QF 100-3	A	15	6"	3	3"	54.0	30.7	23.4	5.7	5.7	34.3	132.1
QF 100-4-AA	A	15	6"	3	3"	58.5	30.7	27.8	5.7	5.7	39.2	132.1
QF 100-4	A	15.0	6"	3	3"	58.5	30.7	27.8	5.7	5.7	39.2	132.1
QF 100-5-AA	A	20.0	6"	3	3"	66.7	34.4	32.3	5.7	5.7	44.1	155.8
QF 100-5	A	20	6"	3	3"	66.7	34.4	32.3	5.7	5.7	44.1	155.8
QF 100-6-B	A	20	6"	3	3"	71.1	34.4	36.7	5.7	5.7	49.0	155.8
QF 100-6	A	25	6"	3	3"	72.9	36.2	36.7	5.7	5.7	49.0	167.6
QF 100-7-AA	A	25	6"	3	3"	77.3	36.2	41.2	5.7	5.7	53.9	167.6
QF 100-7	A	30.0	6"	3	4"	81.3	39.7	41.6	5.7	5.7	55.1	185.5
QF 100-8	A	30.0	6"	3	4"	85.8	39.7	46.1	5.7	5.7	60.0	185.5
QF 100-9-B	A	30	6"	3	4"	90.2	39.7	50.5	5.7	5.7	64.9	185.5
QF 100-9*	A	40	6"	3	4"	98.3	47.8	50.5	5.7	5.7	64.9	227.1
QF 100-10*	A	40	6"	3	4"	102.8	47.8	55.0	5.7	5.7	69.8	227.1
QF 100-11*	A	50	6"	3	4"	110.4	50.9	59.4	5.7	5.7	74.7	244.8
QF 100-12*	A	50.0	6"	3	4"	114.8	50.9	63.9	5.7	5.7	79.6	244.8
QF 100-13*	A	50.0	6"	3	4"	119.3	50.9	68.3	5.7	5.7	84.5	244.8
QF 100-14*	A	60.0	8"	3	4"	122.3	48.4	73.9	7.6	7.6	98.5	377.1
QF 100-15*	A	60	8"	3	4"	126.8	48.4	78.3	7.6	7.6	103.3	377.1
QF 100-16*	A	75	8"	3	4"	135.5	52.8	82.8	7.6	7.6	108.3	405.7
QF 100-17*	A	75	8"	3	4"	140.0	52.8	87.2	7.6	7.6	113.2	405.7
QF 100-18	A	75	8"	3	4"	144.4	52.8	91.7	7.6	7.6	118.1	405.7



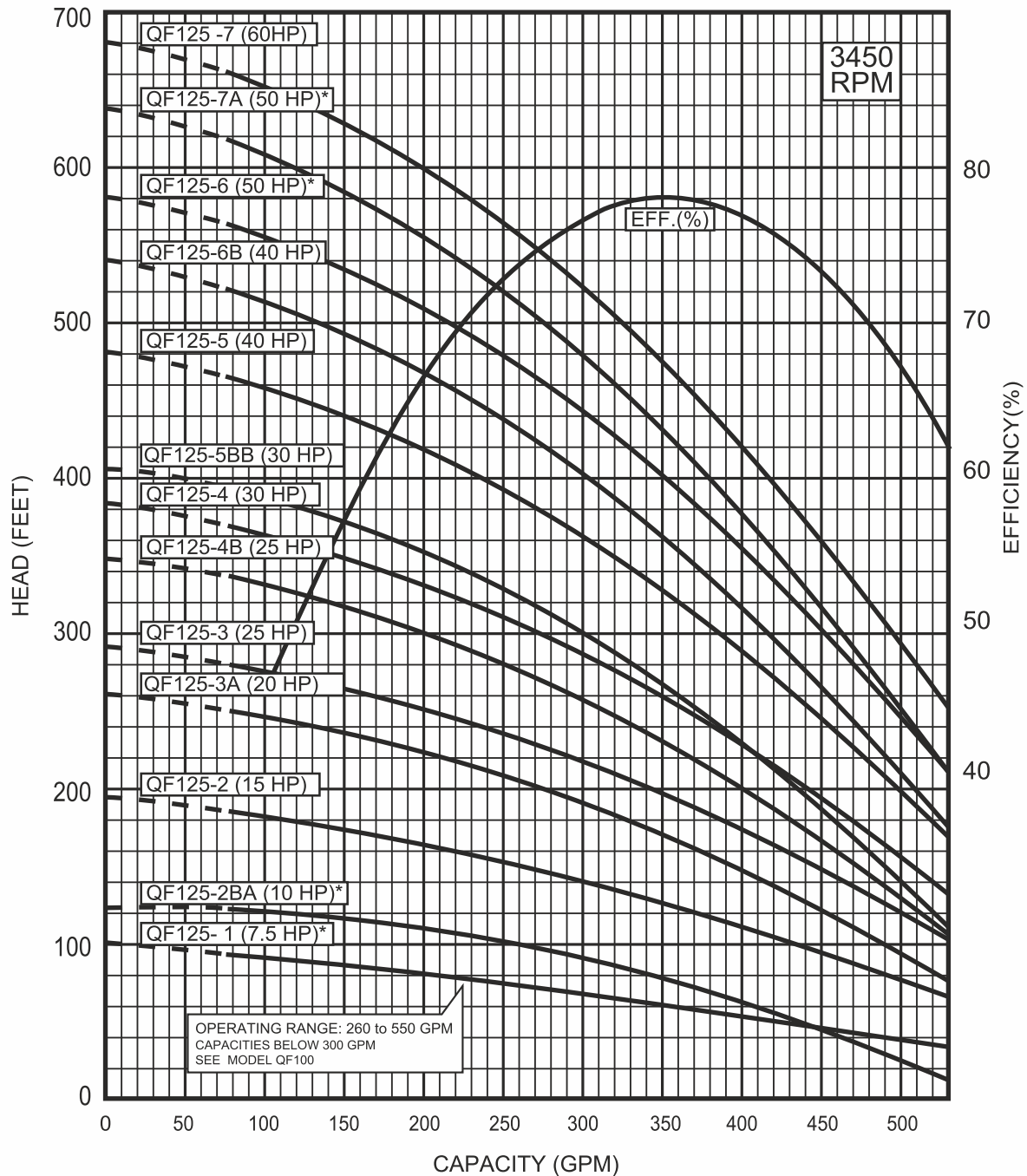
NOTES: Models 2-13 Stgs. are suitable for use in 6" wells, 14-18 Stgs. are suitable for use in 8" wells.
 * Alternate motor sizes available.

PERFORMANCE CURVE

385 GPM

MODEL QF 125

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.

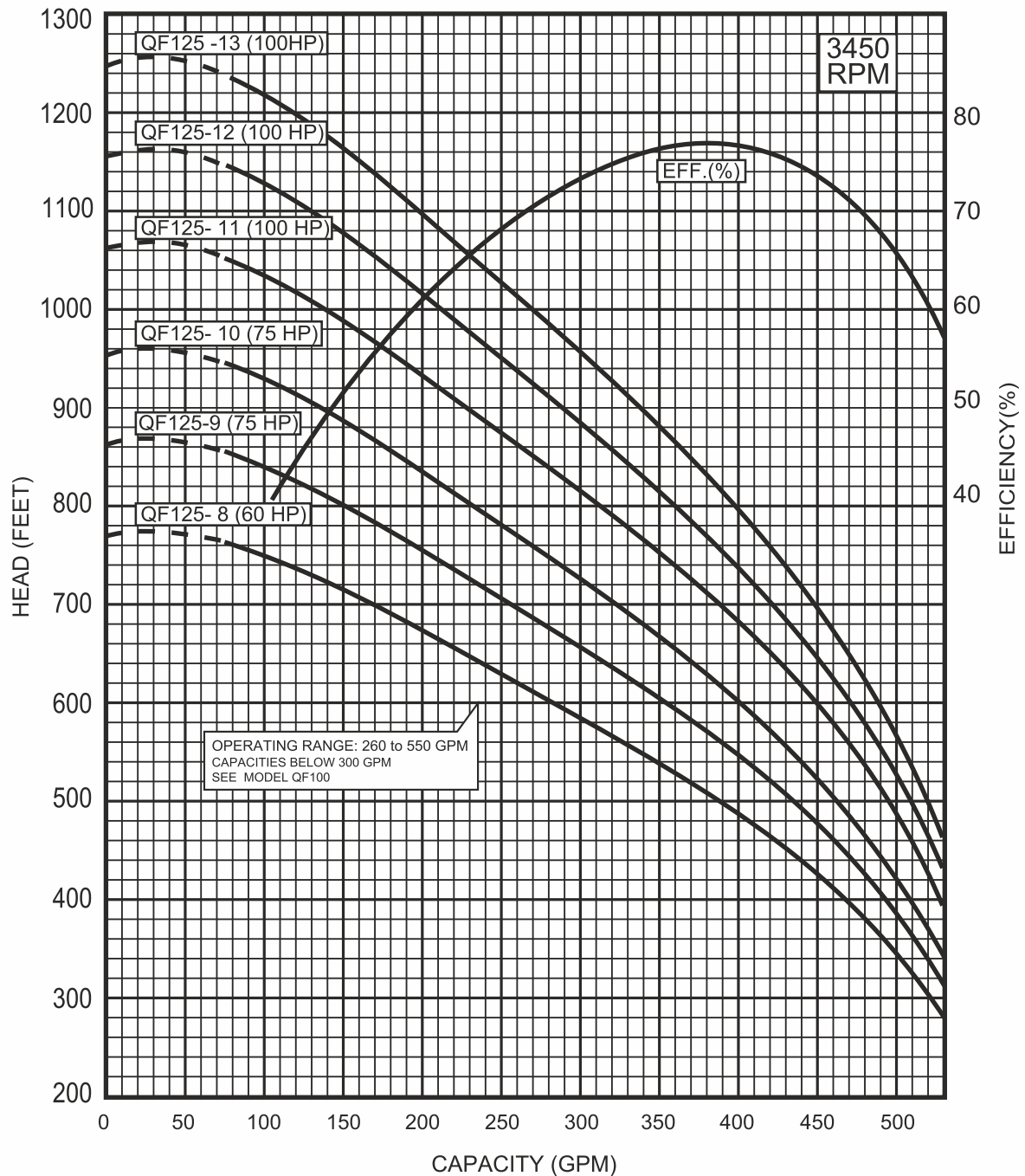
Performance conforms to ISO 9906 Annex A @ 8 ft. min. submergence.

PERFORMANCE CURVE

385 GPM

MODEL QF 125

FLOW RANGE: 75 - 550 GPM OUTLET SIZE: 5" NPT NOMINAL DIA. 8"



OPERATING RANGE: 260 to 550 GPM
CAPACITIES BELOW 300 GPM
SEE MODEL QF100

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 QF 125

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 125-1	A	7.5	6"	3	5"	47.1	27.5	19.6	5.7	6.8	47.8	113.3
QF 125-2-BA	A	10	6"	3	5"	53.0	28.3	24.7	5.7	6.8	55.9	117.3
QF 125-2	A	15	6"	3	5"	55.3	30.7	24.7	5.7	6.8	55.9	132.1
QF 125-3-A	A	20	6"	3	5"	64.1	34.4	29.7	5.7	6.8	64.0	155.8
QF 125-3	A	25	6"	3	5"	65.9	36.2	29.7	5.7	6.8	64.0	167.6
QF 125-4-B	A	25	6"	3	5"	71.6	36.2	35.4	5.7	6.8	74.9	167.6
QF 125-4	A	30	6"	3	5"	75.2	39.7	35.4	5.7	6.8	74.9	185.5
QF 125-5-BB	A	30	6"	3	5"	80.2	39.7	40.5	5.7	6.8	83.0	185.5
QF 125-5*	A	40	6"	3	5"	88.3	47.8	40.5	5.7	6.8	83.0	227.1
QF 125-6-B	A	40	6"	3	5"	93.3	47.8	45.5	5.7	6.8	91.1	227.1
QF 125-6*	A	50	6"	3	5"	96.5	50.9	45.5	5.7	6.8	91.1	244.8
QF 125-7-A	A	50	6"	3	5"	101.5	50.9	50.6	5.7	6.8	99.2	244.8
QF 125-7*	A	60	8"	3	5"	99.5	48.4	51.1	7.6	7.6	101.2	377.1
QF 125-8*	A	60	8"	3	5"	104.5	48.4	56.1	7.6	7.6	109.5	377.1
QF 125-9	A	75	8"	3	5"	113.9	52.8	61.2	7.6	7.6	117.6	405.7
QF 125-10	A	75	8"	3	5"	119.0	52.8	66.2	7.6	7.6	127.1	405.7
QF 125-11	A	100	8"	3	5"	132.7	61.4	71.2	7.6	7.6	135.4	509.4
QF 125-12	A	100	8"	3	5"	137.7	61.4	76.3	7.6	7.6	143.7	509.4
QF 125-13	A	100	8"	3	5"	142.7	61.4	81.3	7.6	7.6	151.9	509.4

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

*Alternate motor sizes available.

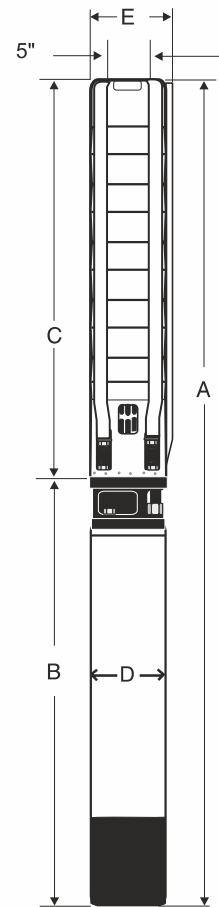


Fig. A

PERFORMANCE CURVE

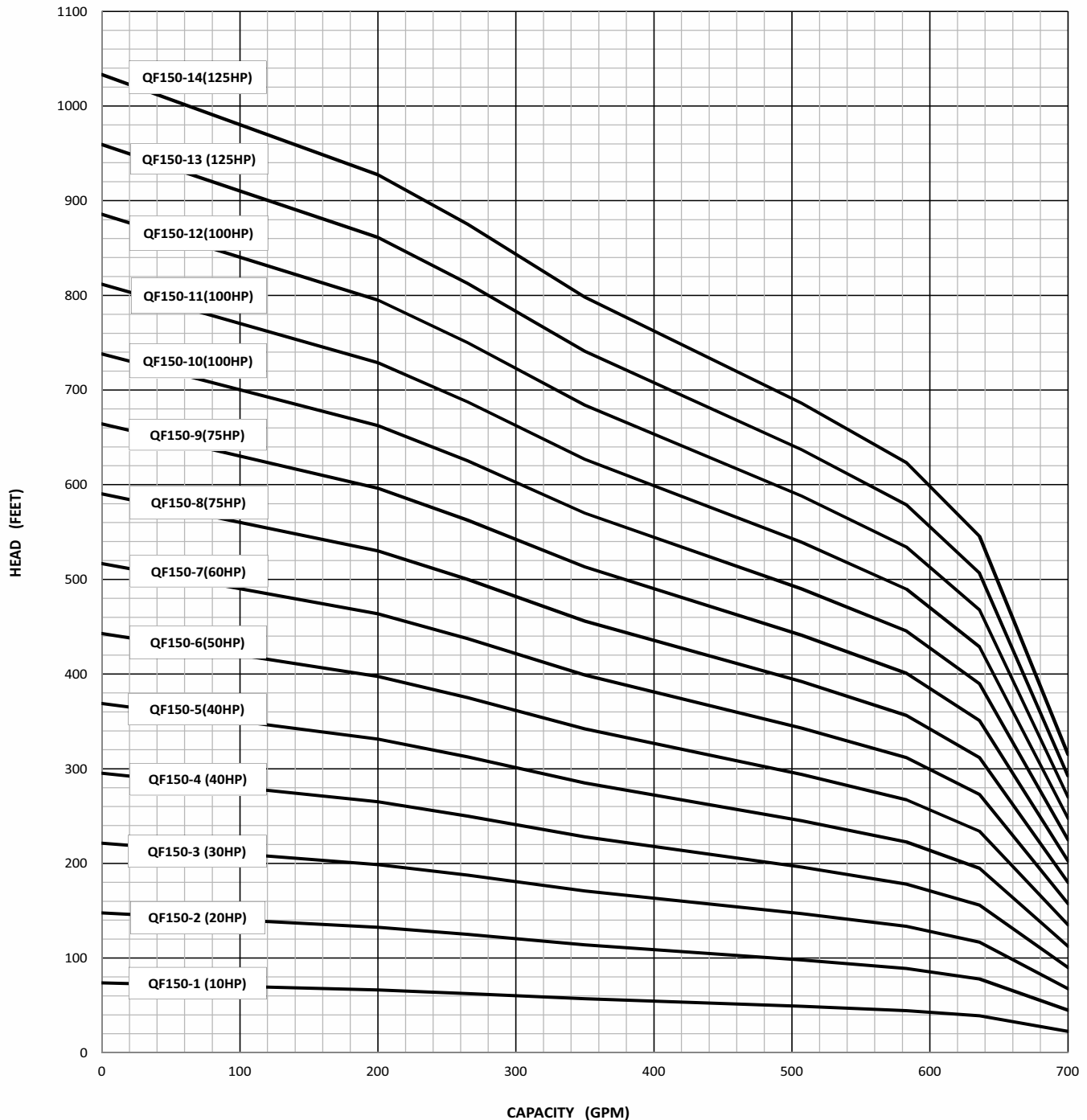
507 GPM

MODEL QF 150

FLOW RANGE: 200-700 GPM

OUTLET SIZE: 4"NPT

NOMINAL DIA. 8"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

6" MOTOR STANDARD, 10-50HP/3450 RPM
 8" MOTOR STANDARD, 60-125HP/3525 RPM
 *Alternate motor sizes available.

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

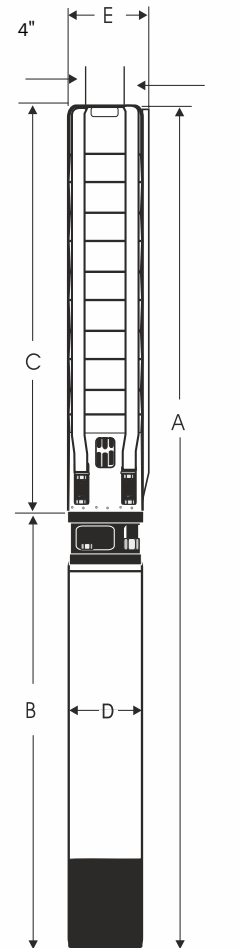
TECHNICAL DATA

507 GPM

MODEL QF 150

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF150-1	A	10	6"	3	4"	47.2	28.3	18.9	5.7	5.7	30.9	117.3
QF150-2	A	20	6"	3	4"	58.9	34.4	24.5	5.7	5.7	37.5	155.8
QF150-3	A	30	6"	3	4"	69.8	39.7	30.1	5.7	5.7	44.1	185.5
QF150-4	A	35	6"	3	4"	70.9	35.3	35.6	5.7	5.7	52.9	184.9
QF150-5	A	40	6"	3	4"	89.0	47.8	41.2	5.7	5.7	59.5	227.1
QF150-6	A	50	6"	3	4"	97.7	50.9	46.8	5.7	5.7	66.1	244.8
QF150-7	A	60	8"	3	4"	101.9	48.4	53.5	7.6	7.7	77.2	227.1
QF150-8	A	75	8"	3	4"	111.9	52.8	59.1	7.6	7.7	88.2	405.7
QF150-9	A	85	8"	3	4"	125.7	61.1	64.6	7.6	7.7	99.2	509.2
QF150-10	A	100	8"	3	4"	131.6	61.4	70.2	7.6	7.7	110.2	509.4
QF150-11	A	100	8"	3	4"	137.2	61.4	75.8	7.6	7.7	121.3	509.4
QF150-12	A	100	8"	3	4"	142.7	61.4	81.3	7.6	7.7	132.3	509.4
QF150-13	A	125	8"	3	4"	155.4	68.5	86.9	7.6	7.7	143.3	589.4
QF150-14	A	125	8"	3	4"	161.0	68.5	92.5	7.6	7.7	154.3	589.4



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

PERFORMANCE CURVE

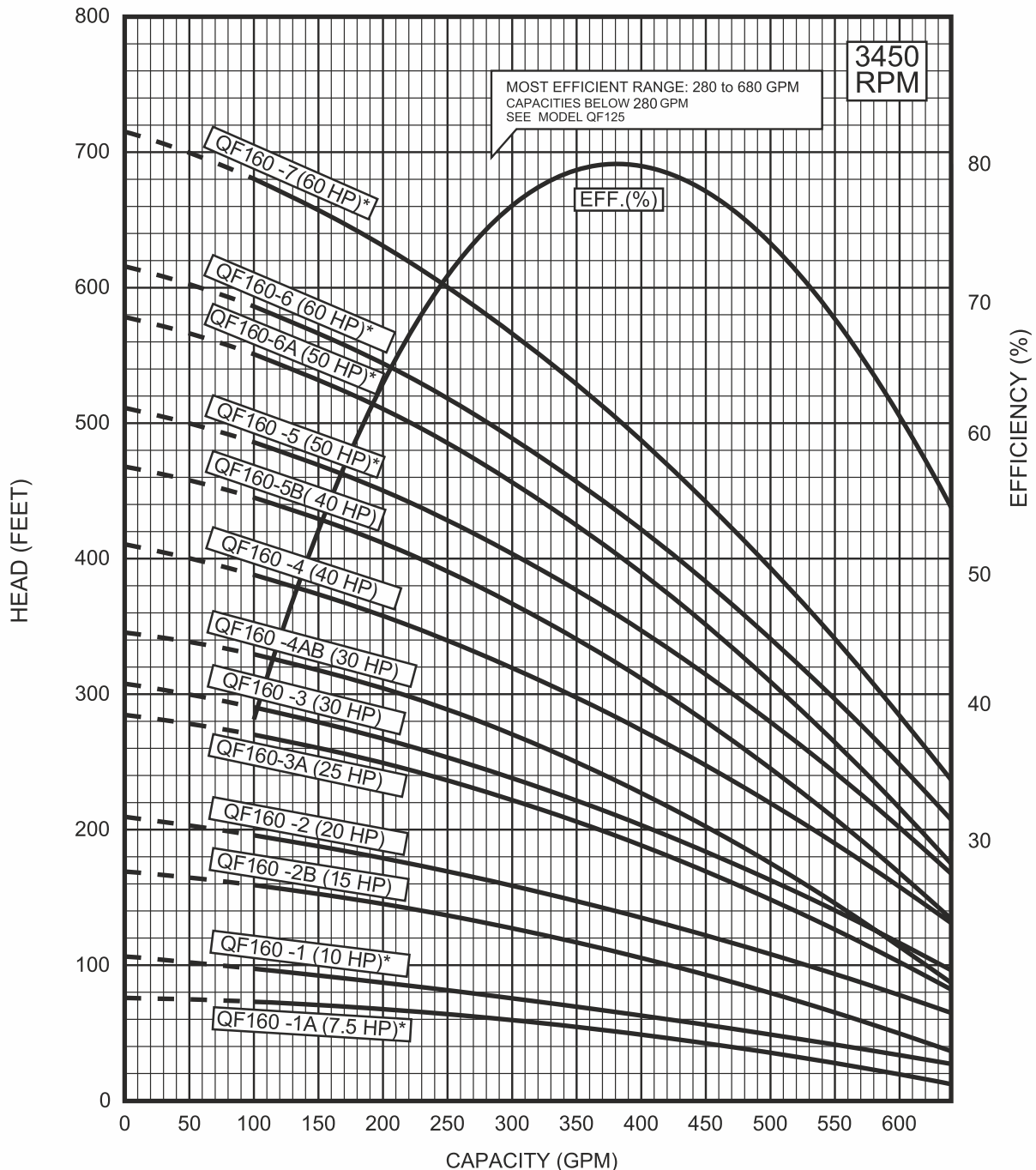
475 GPM

MODEL QF 160

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.

PERFORMANCE CURVE

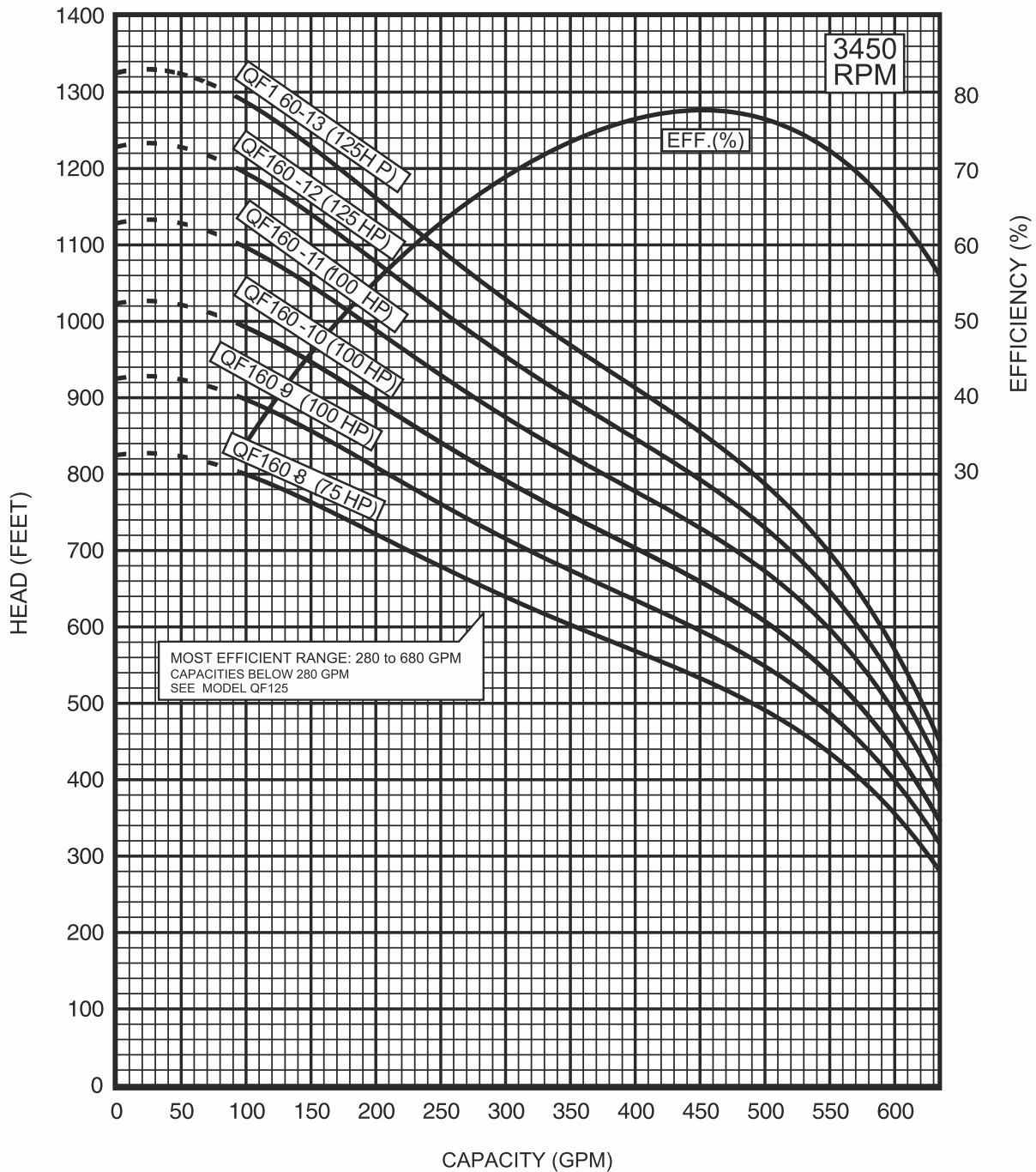
475 GPM

MODEL QF 160

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.

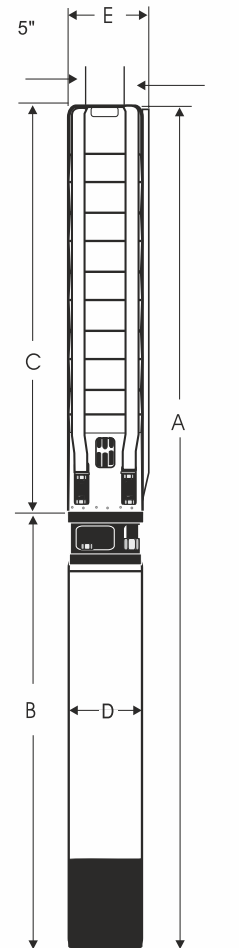
TECHNICAL DATA

475 GPM

MODEL QF 160

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 160-1-A	A	7.5	6"	3	5"	47.1	27.5	19.6	5.7	6.8	47.7	113.3
QF 160-1	A	10	6"	3	5"	47.9	28.3	19.6	5.7	6.8	47.7	117.3
QF 160-2-B	A	15	6"	3	5"	55.3	30.7	24.7	5.7	6.8	55.8	132.1
QF 160-2	A	20	6"	3	5"	59.1	34.4	24.7	5.7	6.8	55.8	155.8
QF 160-3-A	A	25	6"	3	5"	65.9	36.2	29.7	5.7	6.8	63.8	167.6
QF 160-3	A	30	6"	3	5"	69.4	39.7	29.7	5.7	6.8	63.8	185.5
QF 160-4-AB	A	30	6"	3	5"	75.2	39.7	35.4	5.7	6.8	74.8	185.5
QF 160-4*	A	40	6"	3	5"	83.2	47.8	35.4	5.7	6.8	74.8	227.1
QF 160-5-B	A	40	6"	3	5"	88.3	47.8	40.5	5.7	6.8	82.9	227.1
QF 160-5*	A	50	6"	3	5"	91.4	50.9	40.5	5.7	6.8	82.9	244.8
QF 160-6-A*	A	50	6"	3	5"	96.5	50.9	45.5	5.7	6.8	91.0	244.8
QF 160-6*	A	60	8"	3	5"	94.5	48.4	46.0	7.6	7.6	93.0	377.1
QF 160-7*	A	60	8"	3	5"	99.5	48.4	51.1	7.6	7.6	101.2	377.1
QF 160-8	A	75	8"	3	5"	108.9	52.8	56.1	7.6	7.6	109.3	405.7
QF 160-9	A	100	8"	3	5"	122.6	61.4	61.2	7.6	7.6	117.4	509.4
QF 160-10	A	100	8"	3	5"	127.6	61.4	66.2	7.6	7.6	127.0	509.4
QF 160-11	A	100	8"	3	5"	132.7	61.4	71.2	7.6	7.6	135.2	509.4
QF 160-12	A	125	8"	3	5"	144.8	68.5	76.3	7.6	7.6	143.5	579.9
QF 160-13	A	125	8"	3	5"	149.8	68.5	81.3	7.6	7.6	151.7	579.9



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

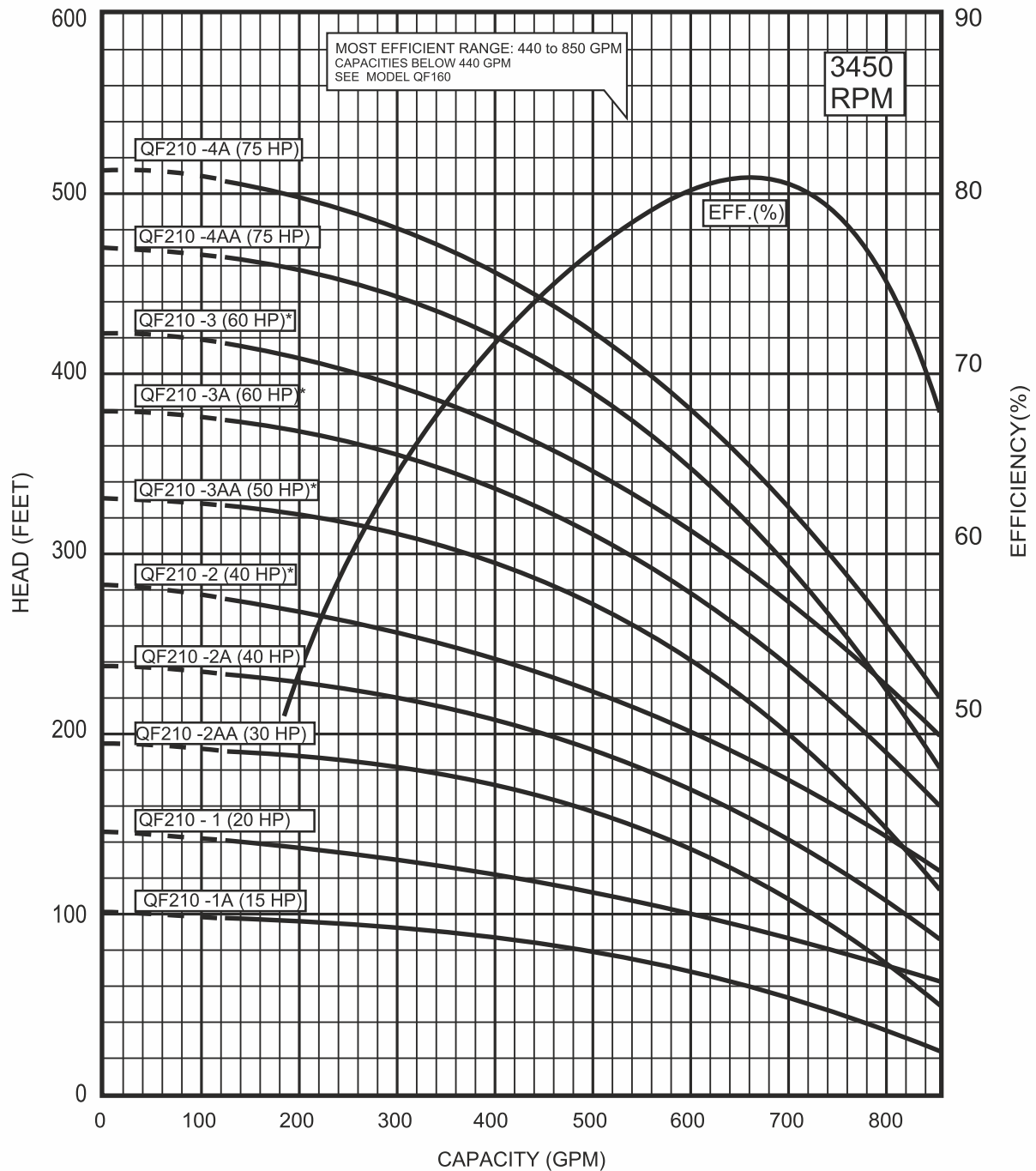
*Alternate motors sizes available.

PERFORMANCE CURVE

625 GPM

MODEL QF 210

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.

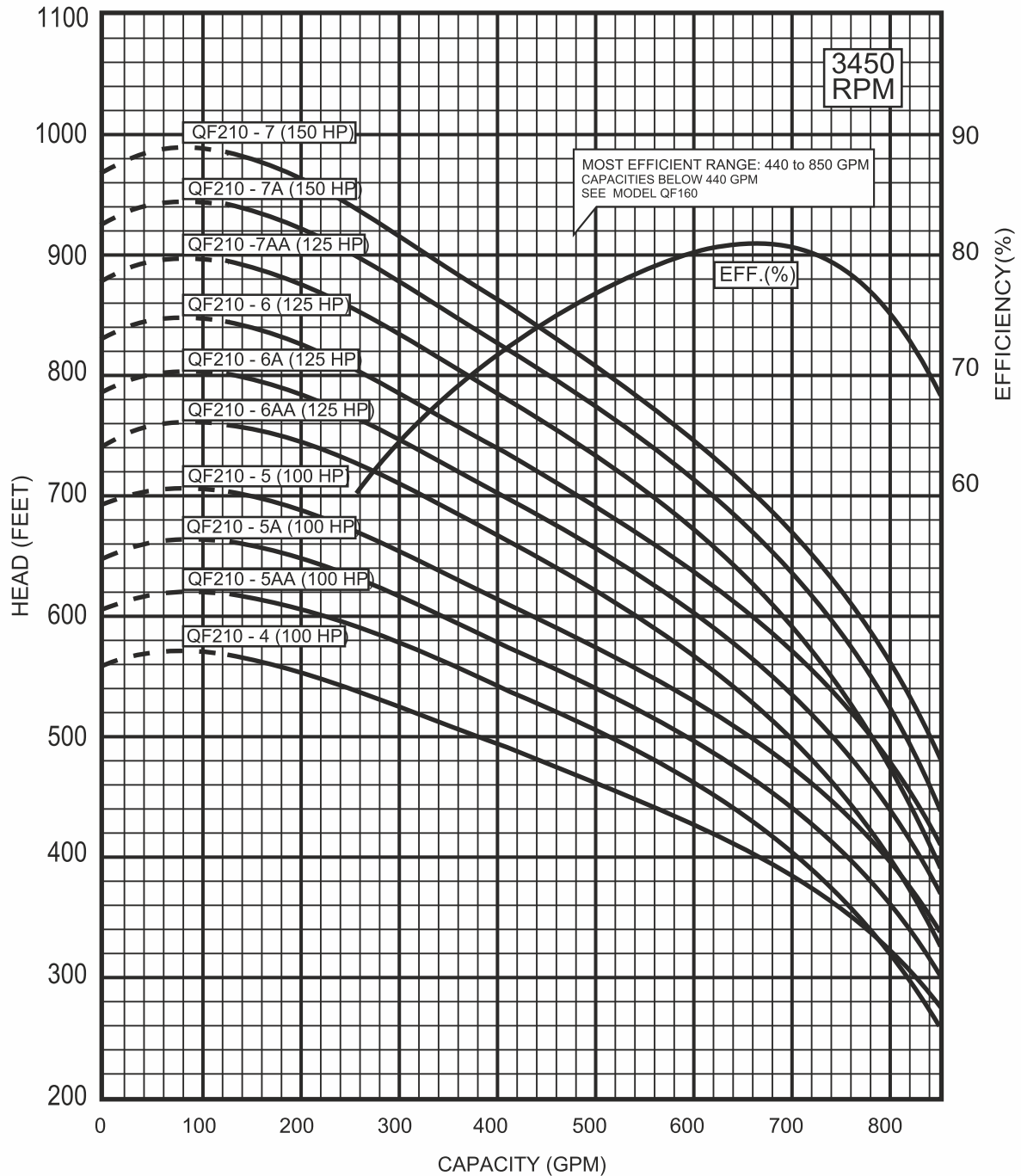
Performance conforms to ISO 9906 Annex A
 @ 10 ft. min. submergence.

PERFORMANCE CURVE

625 GPM

MODEL QF 210

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 QF 210

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 210-1-A	A	15	6"	3	6"	52.0	30.7	21.3	5.7	8.1	68.0	132.1
QF 210-1	A	20	6"	3	6"	55.7	34.4	21.3	5.7	8.1	68.0	155.8
QF 210-2-AA	A	30	6"	3	6"	67.2	39.7	27.5	5.7	8.1	81.8	185.5
QF 210-2-A	A	40	6"	3	6"	75.3	47.8	27.5	5.7	8.1	81.8	227.1
QF 210-2*	A	50	6"	3	6"	78.4	50.9	27.5	5.7	8.1	81.8	244.8
QF 210-3-AA*	A	50	6"	3	6"	84.6	50.9	33.6	5.7	8.1	95.7	244.8
QF 210-3-A*	A	60	8"	3	6"	82.0	48.4	33.6	7.6	8.2	96.2	377.1
QF 210-3*	A	75	8"	3	6"	86.4	52.8	33.6	7.6	8.2	96.2	405.7
QF 210-4-AA	A	75	8"	3	6"	92.5	52.8	39.8	7.6	8.2	110.1	405.7
QF 210-4-A	A	100	8"	3	6"	101.2	61.4	39.8	7.6	8.2	110.1	509.4
QF 210-4	A	100	8"	3	6"	101.2	61.4	39.8	7.6	8.2	110.1	509.4
QF 210-5-AA	A	100	8"	3	6"	107.3	61.4	45.9	7.6	8.2	123.9	509.4
QF 210-5-A	A	100	8"	3	6"	107.3	61.4	45.9	7.6	8.2	123.9	509.4
QF 210-5	A	100	8"	3	6"	107.3	61.4	45.9	7.6	8.2	123.9	509.4
QF 210-6-AA	A	125	8"	3	6"	120.6	68.5	52.0	7.6	8.2	137.7	579.9
QF 210-6-A	A	125	8"	3	6"	120.6	68.5	52.0	7.6	8.2	137.7	579.9
QF 210-6	A	125	8"	3	6"	120.6	68.5	52.0	7.6	8.2	137.7	579.9
QF 210-7-AA	A	125	8"	3	6"	126.7	68.5	58.2	7.6	8.2	151.5	579.9
QF 210-7-A	A	150	10"	3	6"	118.4	60.2	58.2	9.3	9.3	155.9	690.2
QF 210-7	A	150	10"	3	6"	118.4	60.2	58.2	9.3	9.3	155.9	690.2

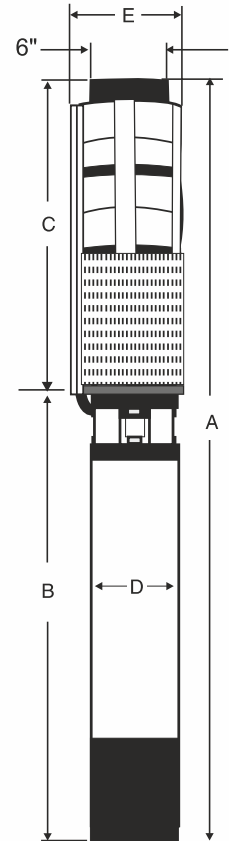


Fig. A

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

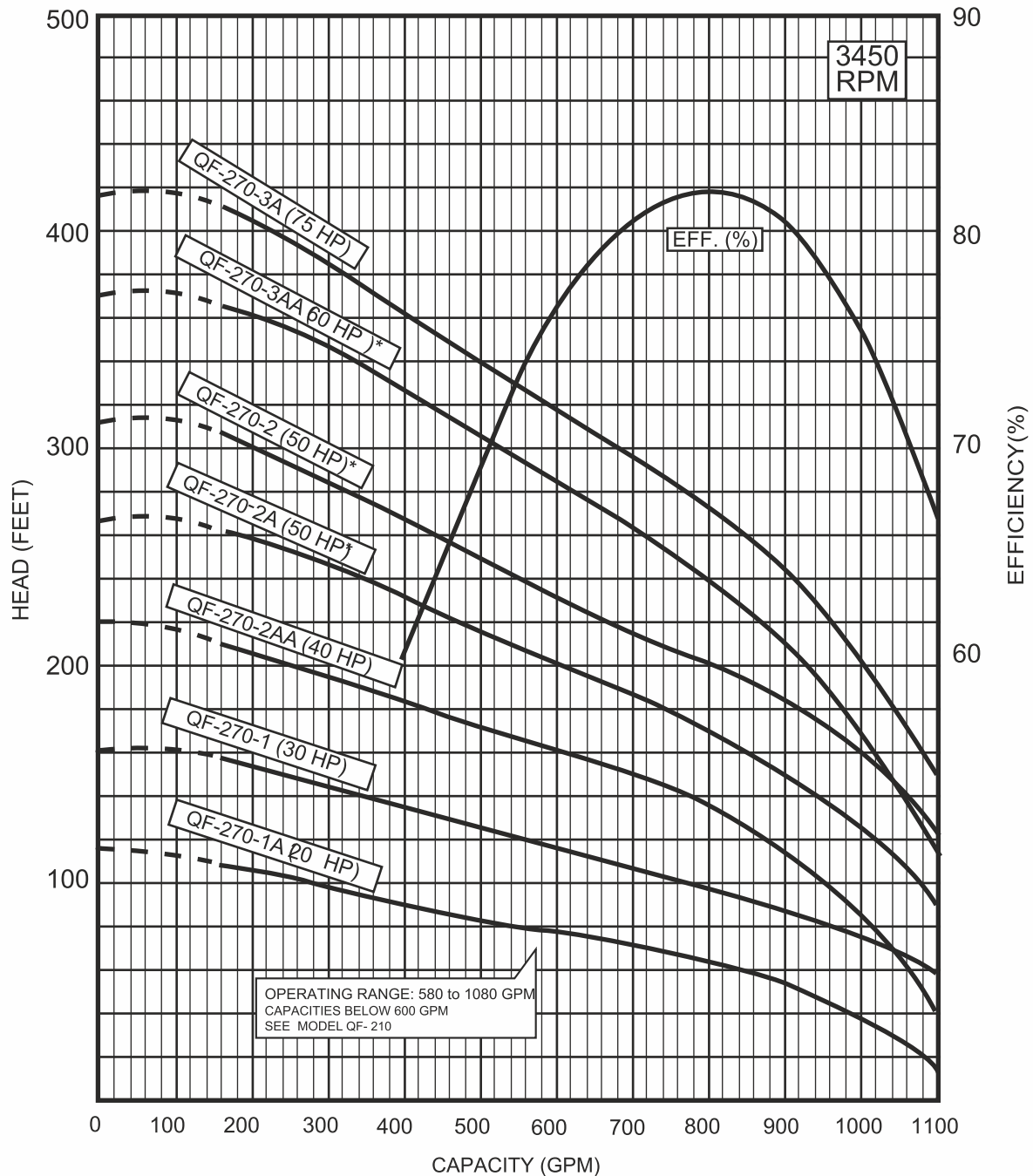
*Alternate motor sizes available.

PERFORMANCE CURVE

800 GPM

MODEL QF 270

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.

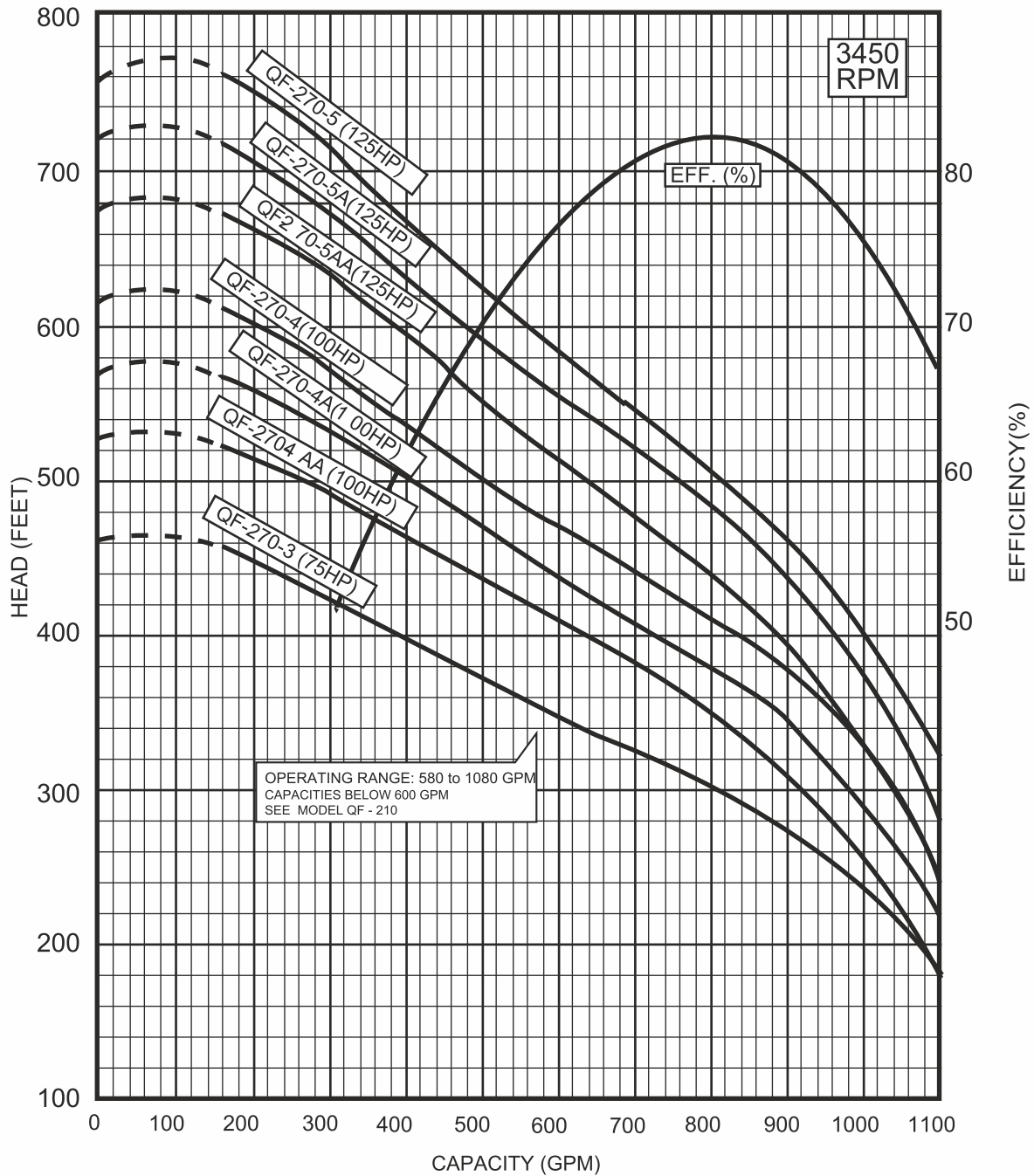
Performance conforms to ISO 9906 Annex A
@ 10 ft. min. submergence.

PERFORMANCE CURVE

800 GPM

MODEL QF 270

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 QF 270

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 270-1-A	A	20	6"	3	6"	55.7	34.4	21.3	5.7	8.1	68.0	155.8
QF 270-1	A	30	6"	3	6"	61.1	39.7	21.3	5.7	8.1	68.0	185.5
QF 270-2-AA*	A	40	6"	3	6"	75.3	47.8	27.5	5.7	8.1	81.8	227.1
QF 270-2-A*	A	50	6"	3	6"	78.4	50.9	27.5	5.7	8.1	81.8	244.8
QF 270-2*	A	50	6"	3	6"	78.4	50.9	27.5	5.7	8.1	81.8	244.8
QF 270-2-AA*	A	40	8"	3	6"	72.4	44.9	27.5	7.6	8.2	82.4	328.5
QF 270-2-A*	A	50	8"	3	6"	72.4	44.9	27.5	7.6	8.2	82.4	328.5
QF 270-2*	A	50	8"	3	6"	72.4	44.9	27.5	7.6	8.2	82.4	328.5
QF 270-3-AA*	A	60	8"	3	6"	82.0	48.4	33.6	7.6	8.2	96.2	377.1
QF 270-3-A	A	75	8"	3	6"	86.4	52.8	33.6	7.6	8.2	96.2	405.7
QF 270-3	A	75	8"	3	6"	86.4	52.8	33.6	7.6	8.2	96.2	405.7
QF 270-4-AA	A	100	8"	3	6"	101.2	61.4	39.8	7.6	8.2	110.1	509.4
QF 270-4-A	A	100	8"	3	6"	101.2	61.4	39.8	7.6	8.2	110.1	509.4
QF 270-4	A	100	8"	3	6"	101.2	61.4	39.8	7.6	8.2	110.1	509.4
QF 270-5-AA	A	125	8"	3	6"	114.4	68.5	45.9	7.6	8.2	123.9	579.9
QF 270-5-A	A	125	8"	3	6"	114.4	68.5	45.9	7.6	8.2	123.9	579.9
QF 270-5	A	125	8"	3	6"	114.4	68.5	45.9	7.6	8.2	123.9	579.9

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

* Alternate motor sizes available.

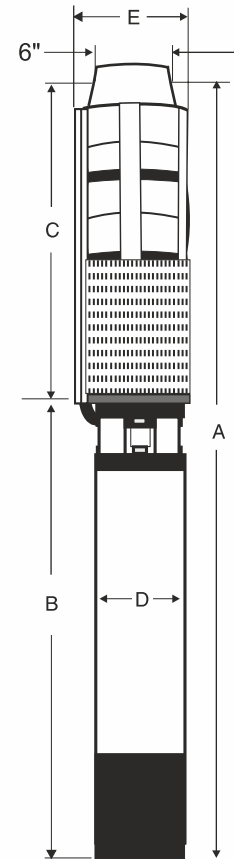


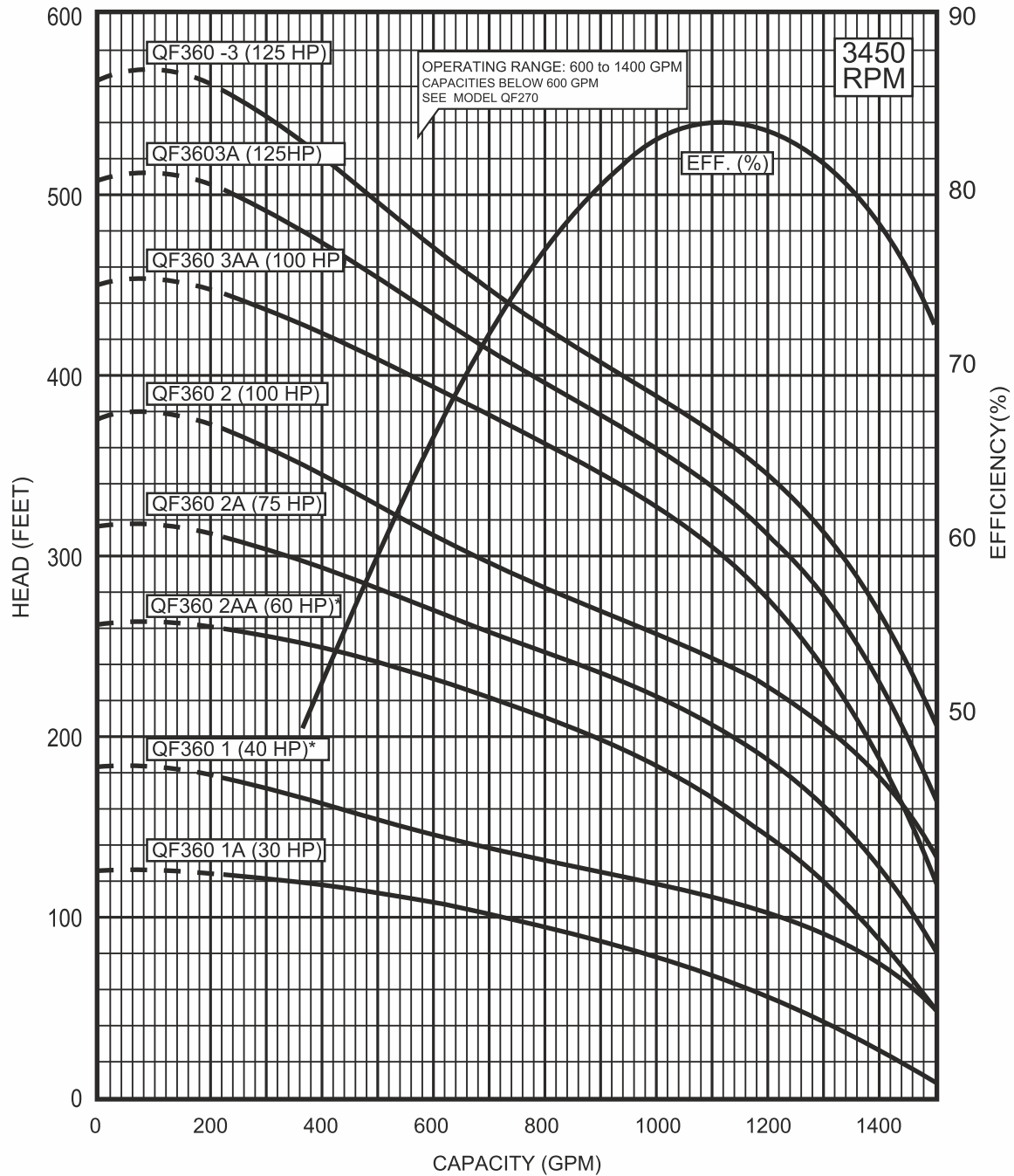
Fig. A

PERFORMANCE CURVE

1100 GPM

MODEL QF 360

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.

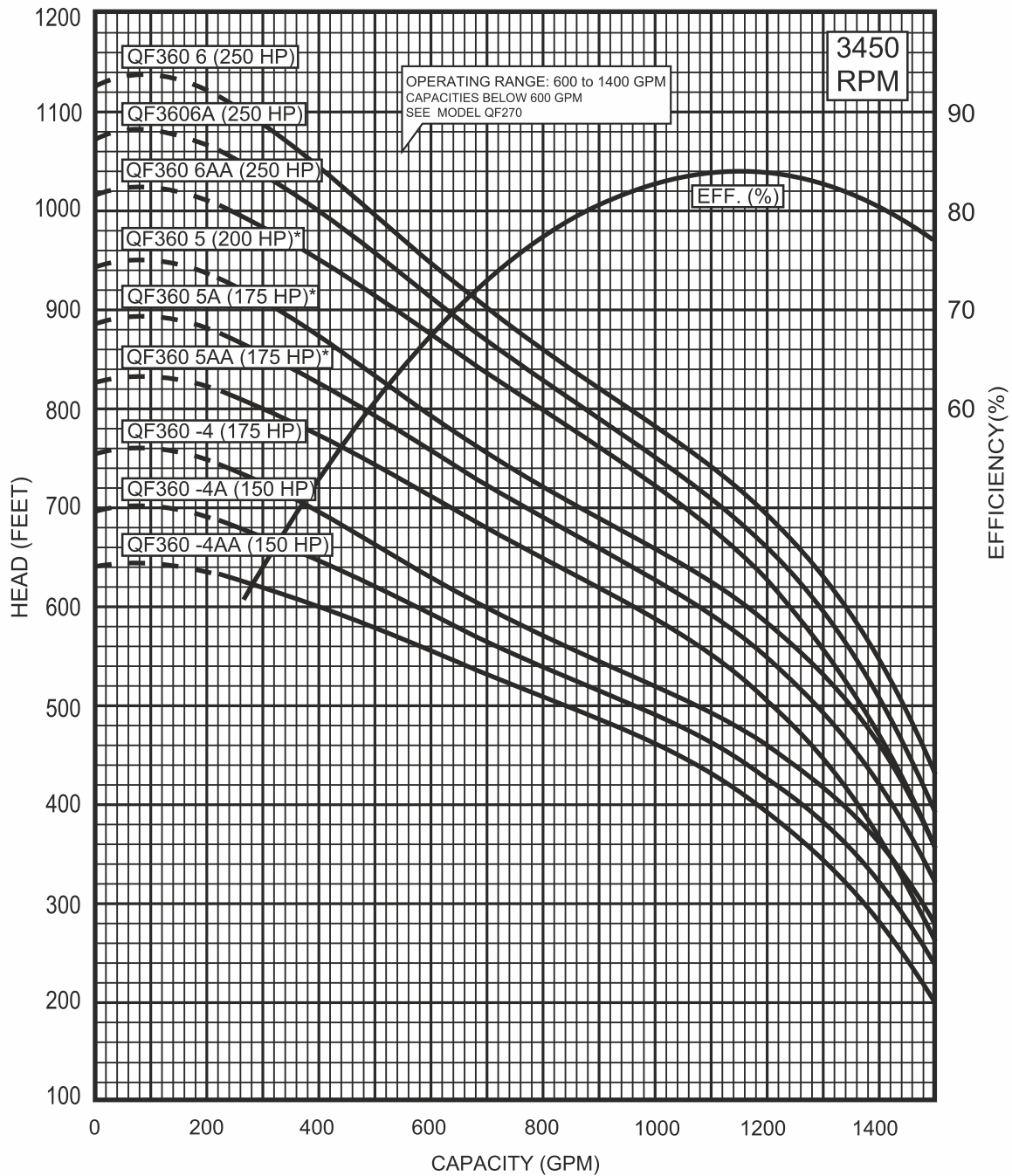
Performance conforms to ISO 9906 Annex A
 @ 10 ft. min. submergence.

PERFORMANCE CURVE

1100 GPM

MODEL QF 360

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 QF 360

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	Ph	DISCH. SIZE (NPT)	DIMENSIONS IN INCHES					APPROX SHIPPING WEIGHT (lbs)	
						A	B	C	D	E	PUMP	MOTOR
QF 360-1-A	A	30	6"	3	6"	67.1	39.7	27.4	5.7	9.1	90.0	185.5
QF 360-1*	A	40	6"	3	6"	75.2	47.8	27.4	5.7	9.1	90.0	227.1
QF 360-2-AA*	A	60	8"	3	6"	85.6	48.4	37.2	7.6	9.3	132.5	377.1
QF 360-2-A	A	75	8"	3	6"	89.9	52.8	37.2	7.6	9.3	132.5	405.7
QF 360-2	A	100	8"	3	6"	98.6	61.4	37.2	7.6	9.3	132.5	509.4
QF 360-3-AA	A	100	8"	3	6"	105.5	61.4	44.1	7.6	9.3	155.0	509.4
QF 360-3-A	A	125	8"	3	6"	112.6	68.5	44.1	7.6	9.3	155.0	579.9
QF 360-3	A	125	8"	3	6"	112.6	68.5	44.1	7.6	9.3	155.0	579.9
QF 360-4-AA	A	150	10"	3	6"	111.2	60.2	51.0	9.3	9.3	180.1	690.2
QF 360-4-A	A	150	10"	3	6"	111.2	60.2	51.0	9.3	9.3	180.1	690.2
QF 360-4	A	175	10"	3	6"	116.3	65.3	51.0	9.3	9.3	180.1	701.2
QF 360-5-AA*	A	175	10"	3	6"	123.3	65.3	58.0	9.3	9.3	202.4	701.2
QF 360-5-A*	A	175	10"	3	6"	123.3	65.3	58.0	9.3	9.3	202.4	701.2
QF 360-5*	A	200	10"	3	6"	127.6	69.6	58.0	9.3	9.3	202.4	712.2
QF 360-6-AA	A	250	10"	3	6"	140.4	75.6	64.9	9.3	9.3	224.7	734.3
QF 360-6-A	A	250	10"	3	6"	140.4	75.6	64.9	9.3	9.3	224.7	734.3
QF 360-6	A	250	10"	3	6"	140.4	75.6	64.9	9.3	9.3	224.7	734.3

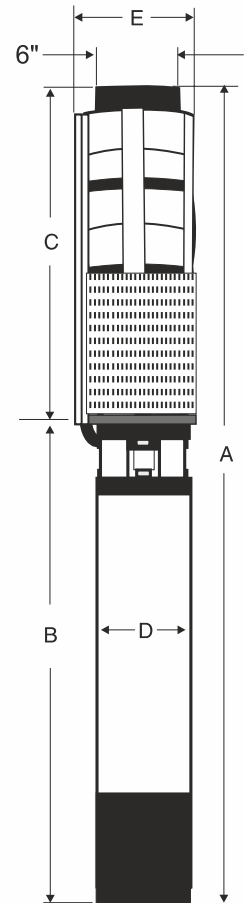


Fig. A

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

* Alternate motor sizes available.

4 INCH ENCAPSULATED PREMIUM MOTOR

SINGLE PHASE MOTOR SPECIFICATION (60Hz) 3450 RPM

Type	Material Code	Rating				Full Load		Maximum Load		Winding Resistance (Ohms)	Efficiency %		Power Factor %		Locked Rotor Amps	Thrust
		HP	kW	Volts	S.F.	Amps	Watts	Amps	Watts	M=MAIN RES S=START RES	S.F.	F.L.	S.F.	F.L.		
4" 2-wire	9000029663	0.5	0.37	115	1.6	10	670	12	960	1.15-1.39	62	56	73	58	64.4	337
	9000027592	0.5	0.37	230	1.6	5.0	670	6.0	960	2.74-3.31	62	56	73	58	32.2	337
	9000027581	0.75	0.55	230	1.5	6.8	940	8.0	1310	2.74-3.31	64	59	74	62	40.7	337
	9000027582	1	0.75	230	1.4	8.2	1210	10.4	1600	2.09-2.53	65	62	74	63	48.7	337
	9000028352	1.5	1.1	230	1.3	10.6	1710	13.1	2280	2.09-2.53	64	63	83	76	66.2	337
4" 3-wire	9000008299	0.5	0.37	230	1.6	Y=3.2	655	Y=4.3	890	M=5.13-6.20 S=7.15-8.65	67	57	90	81	23	337
						B=3.7		B=4.0								
						R=2.0		R=2.0								
	9000008300	0.75	0.55	230	1.5	Y=4.4	925	Y=5.7	1220	M=4.66-5.64 S=4.75-5.75	69	60	92	84	34.2	337
						B=5.0		B=5.2								
						R=3.2		R=3.1								
	9000008301	1	0.75	230	1.4	Y=5.6	1160	Y=8.1	1490	M=4.23-5.12 S=5.00-6.05	70	64	92	86	41.8	337
						B=5.7		B=6.2								
						R=3.4		R=3.3								
	9000008302	1.5	1.1	230	1.3	Y=10	1620	Y=11.5	2080	M=2.07-2.51 S=5.95-7.21	70	69	85	79	51.4	337
						B=9.9		B=11.0								
						R=1.3		R=1.3								
9000013748	2	1.5	230	1.25	Y=10	2025	Y=13.2	2555	M=1.57-1.90 S=3.80-4.60	73	74	95	94	53.1	674	
					B=9.3		B=11.9									
					R=2.6		R=2.6									
9000013749	3	2.2	230	1.15	Y=14.0	3000	Y=17.0	3400	M=1.10-1.33 S=1.78-2.16	75	75	99	99	83.4	674	
					B=11.2		B=12.6									
					R=6.1		R=6.0									
9000008331	5	3.7	230	1.15	Y=23.0	4830	Y=27.5	5500	M=0.68-0.83 S=1.05-1.28	78	77	100	100	129	1461	
					B=15.9		B=19.1									
					R=11		R=10.8									

1. M: Main winding = yellow to black; S: Start winding = yellow to red

2. Y: Yellow lead = line amps;
 B: Black lead = main winding amps;
 R: Red lead = start or auxiliary winding amps

4 INCH ENCAPSULATED PREMIUM MOTOR

THREE PHASE (3 WIRE) MOTOR SPECIFICATION (60 Hz) 3450 RPM

Material Code	Rating				Full Load		Maximum Load		Winding Resistance (Ohms)	Efficiency %		Locked Rotor Amps	Thrust
	HP	kW	Volts	S.F.	Amps	Watts	Amps	Watts		SF	FL		
9000008280	0.5	0.37	230	1.6	2.4	585	2.9	860	8.91-10.78	70	64	15.2	337
9000008274			460	1.6	1.2	585	1.5	860	31.00-37.51			7.6	
9000008281	0.75	0.55	230	1.5	3.1	810	3.8	1150	9.15-11.06	73	69	21.4	337
9000008275			460	1.5	1.6	810	1.9	1150	31.00-37.51			10.7	
9000008282	1	0.75	230	1.4	3.9	1070	4.7	1440	5.53-6.68	72	70	26.9	337
9000008276			460	1.4	2.0	1070	2.4	1440	15.88-19.21			13.5	
9000008283	1.5	1.1	230	1.3	5.0	1460	5.9	1890	4.62-5.58	76	76	33.2	337
9000008277			460	1.3	2.5	1460	3.1	1890	11.56-13.9			16.6	
9000008284	2	1.5	230	1.25	6.7	1960	8.1	2430	2.95-3.57	76	76	45	337
9000008278			460	1.25	3.4	1960	4.1	2430	8.31-10.05			22.5	
9000013741	3	2.2	230	1.15	9.5	2920	10.9	3360	1.67-2.02	77	77	60.3	674
9000013738			460	1.15	4.8	2920	5.5	3360	4.04-4.88			31	
9000008313	5	3.7	230	1.15	15.9	4800	17.8	5500	1.09-1.32	78	78	102	1461
9000008307			460	1.15	8.0	4800	8.9	5500	2.33-2.81			53.7	
9000008315	7.5	5.5	230	1.15	23	7150	26.4	8200	0.74-0.89	78	78	152	1461
9000008309			460	1.15	11.5	7150	13.2	8200	2.08-2.52			83.8	
9000008316	10	7.5	230	1.15	31.2	10000	33.9	11400	0.57-0.69	75	75	195	1461
9000008310			460	1.15	15.9	10000	17.30	11400	1.82-2.32			116	

6-INCH MTSML MOTOR

SINGLE PHASE (3 WIRE) MOTOR SPECIFICATION (60Hz) 3450 RPM

Material Code	Rating				Full Load		Maximum Load		Winding Resistance (Ohms)	Efficiency %		Power Factor %		Locked Rotor Amps	Thrust	
	HP	kW	Volts	S.F.	Amps	Watts	Amps	Watts	M=MAIN RES S=START RES	S.F.	F.L.	S.F.	F.L.			
9000017886	5	3.7	230	1.15	Y=23	4910	Y=27.5	5570	M=0.65-0.78 S=1.31-1.58	77	76	100	99	99	3484	
					B=14.3		B=17.4									R=10.5
					R=10.8											
9000017887	7.5	5.5		1.15	Y=36.5	7300	Y=42.1	8800	M=0.47-0.57 S=1.05-1.28	73	74	91	90	165	3484	
					B=34.4		B=40.5									R=5.4
					R=5.5											
9000017888	10	7.5		1.15	Y=44	9800	Y=51	11300	M=0.26-0.32 S=0.80-0.97	76	77	96	96	204	3484	
					B=39.5		B=47.5									R=8.9
					R=9.3											
9000017579	15	11		1.15	Y=62.0	13900	Y=75.0	16200	M=0.21-0.25 S=0.55-0.66	79	80	97	98	303	3484	
					B=52.0		B=62.5									R=16.9
					R=17.5											

1. M: Main winding = yellow to black; S: Start winding = yellow to red

2. Y: Yellow lead = line amps;
 B: Black lead = main winding amps;
 R: Red lead = start or auxiliary winding amps

6" MOTOR PERFORMANCE DATA (THREE PHASE, 60HZ)

THREE PHASE 6 " MTSF MOTOR SPECIFICATION (60 HZ) 3450 RPM

Material Code	Rating				Full load		Maximum		Line to Line resistance Ohms	Efficiency		Locked rotor amps	Thrust
	HP	kW	Volts	S.F	Amps	Watts	Amps	Watts		S.F	F.L		
9000027941	5	3.7	230	1.15	15	4700	17.6	5400	0.76-0.92	79	79	86	3484
9000027929			460	1.15	7.5	4700	8.8	5400	3.45-4.17			43	
9000027942	7.5	5.5	230	1.15	21.8	7000	24.6	8000	0.58-0.70	80	80	130	3484
9000027930			460	1.15	10.9	7000	12.3	8000	2.89-3.50			65	
9000027943	10	7.5	230	1.15	28.4	9400	32.2	10800	0.47-0.57	79	79	172	3484
9000027931			460	1.15	14.2	9400	16.1	10800	2.28-2.76			86	
9000027945	15	11	230	1.15	41.6	13700	47.4	15800	0.29-0.35	81	81	266	3484
9000027933			460	1.15	20.8	13700	23.7	15800	1.38-1.67			133	
9000027947	20	15.0	230	1.15	53.8	18100	60.6	20900	0.23-0.28	82	82	362	3484
9000027935			460	1.15	26.9	18100	30.3	20900	0.84-1.01			181	
9000027948	25	18.5	230	1.15	67	22500	76.4	25700	0.16-0.19	83	83	480	6182
9000027936			460	1.15	33.5	22500	38.2	25700	0.70-0.85			240	
9000027949	30	22	230	1.15	79	26900	90.4	31100	0.15-0.19	83	83	568	6182
9000027937			460	1.15	39.5	26900	45.2	31100	0.52-0.63			284	
9000027939	40	30	460	1.15	54.9	35600	62.9	41400	0.35-0.43	83	83	302	6182
9000027940	50	37	460	1.15	68.1	45100	78.1	52200	0.29-0.35	82	83	414	6182

6" MOTOR PERFORMANCE DATA (THREE PHASE, 60HZ)

THREE PHASE 6 " MTSF MOTOR SPECIFICATION (60 HZ) 3450 RPM

Material Code (SS304)	Rating				Full load		Maximum Load		Line to Line resistance Ohms	Efficiency %		Locked rotor amps	Thrust
	HP	kW	Volts	S.F	Amps	Watts	Amps	Watts		S.F	F.L		
9000026831	7.5	5.5	460	1.15	10.9	7000	12.3	8000	2.89-3.50	80	80	65	3484
9000026832	10	7.5	460	1.15	14.2	9400	16.1	10800	2.28-2.76	79	79	86	3484
9000026834	15	11	460	1.15	20.8	13700	23.7	15800	1.38-1.67	81	81	133	3484
9000026836	20	15	460	1.15	26.9	18100	30.3	20900	0.84-1.01	82	82	181	3484
9000026837	25	18.5	460	1.15	33.5	22500	38.2	25700	0.70-0.85	83	83	240	6182
9000026838	30	22	460	1.15	39.5	26900	45.2	31100	0.52-0.63	83	83	284	6182
9000026840	40	30	460	1.15	54.9	35600	62.9	41400	0.35-0.43	83	83	302	6182
9000029680	50	37	460	1.15	68.1	45100	78.1	52200	0.29-0.35	82	83	414	6182

Material Code (SS316)	Rating				Full load		Maximum Load		Line to Line resistance Ohms	Efficiency %		Locked rotor amps	Thrust
	HP	kW	Volts	S.F	Amps	Watts	Amps	Watts		S.F	F.L		
9000027327	7.5	5.5	460	1.15	10.9	7000	12.3	8000	2.89-3.50	80	80	65	3484
9000027328	10	7.5	460	1.15	14.2	9400	16.1	10800	2.28-2.76	79	79	86	3484
9000027329	15	11	460	1.15	20.8	13700	23.7	15800	1.38-1.67	81	81	133	3484
9000027331	20	15	460	1.15	26.9	18100	30.3	20900	0.84-1.01	82	82	181	3484
9000027332	25	18.5	460	1.15	33.5	22500	38.2	25700	0.70-0.85	83	83	240	6182
9000027333	30	22	460	1.15	39.5	26900	45.2	31100	0.52-0.63	83	83	284	6182
9000027335	40	30	460	1.15	54.9	35600	62.9	41400	0.35-0.43	83	83	302	6182
--	50	37	460	1.15	68.1	45100	78.1	52200	0.29-0.35	82	83	414	6182

8" MOTOR PERFORMANCE DATA (THREE PHASE, 60HZ)

THREE PHASE MOTOR SPECIFICATION (60 Hz) 3450 RPM & SF-1.15

Materail Code (ss 304)	Rating				Full load		Maximum Load		Line to Line resistance Ohms	Efficiency %		Locked rotor amps	Thurst load
	HP	kW	Volts	S.F	Amps	Watts	Amps	Watts		S.F	F.L		
-	40	30	460	1.15	53	35000	60	40000	0.29-0.35	86	86	396	10116
-	50	37	460	1.15	64	43000	73	49000	0.29-0.35	87	87	542	10116
9000027720	60	45	460	1.15	76	52000	86	60000	0.23-0.28	88	87	658	10116
9000024446	75	55	460	1.15	94	64000	107	73500	0.16-0.19	88	88	864	10116
9000024447	100	75	460	1.15	132	85000	148	97500	0.109-0.134	89	89	1211	10116
9000024448	125	93	460	1.15	167	109000	188	125000	0.10-0.13	87	86	1318	10116

THREE PHASE 8 " MTSF MOTOR SPECIFICATION (60 HZ) 3450 RPM WITH 6 INCH FLANGE

Materail Code (ss 304)	Rating				Full load		Maximum Load		Line to Line resistance Ohms	Efficiency %		Locked rotor amps	Thurst load
	HP	kW	Volts	S.F	Amps	Watts	Amps	Watts		S.F	F.L		
9000013524	40	30	460	1.15	53	35000	60	40000	0.29-0.35	86	86	396	10116
9000013525	50	37	460	1.15	64	43000	73	49000	0.29-0.35	87	87	542	10116
9000024438	60	45	460	1.15	76	52000	86	60000	0.23-0.28	88	87	658	10116

10" MOTOR PERFORMANCE DATA (THREE PHASE, 60HZ)

THREE PHASE 10 " MTSF MOTOR SPECIFICATION (60 HZ) 3450 RPM

Materail Code	Rating				Full load		Maximum Load		Line to Line resistance Ohms	Efficiency %		Locked rotor amps	Thurst load
	HP	kW	Volts	S.F	Amps	KW	Amps	KW		S.F	F.L		
9000024450	150	110	460	1.15	196	129	225	148	0.08-0.10	87	87	1176	13489
9000024451	175	130	460	1.15	219	149	254	172	0.06-0.08	87	87	1308	13489
9000024452	200	150	460	1.15	249	172	294	199	0.05-0.06	87	87	1557	13489
9000024454	250	185	460	1.15	322	213	377	246	0.03-0.04	87	87	2130	13489

