



60 Hz
(North America)

SHAKTI
Stainless Steel Submersible Pump

THE PUMP THAT PAYS



THE COMPANY

Established in the year 1982 as a small unit, Shakti Pumps (India) Limited, became a public limited company in 1995 and is engaged in manufacture of Submersible Pumps, along with motors and associated control panels under the brand name "Shakti".

Shakti Pumps (India) Ltd. has successfully developed its cost-efficient indigenous technology for the manufacture of fully fabricated stainless steel pumpsets with a quality level at par with internationally recognised pumpsets. The company with present level of quality has been successful in penetrating the international market and is on the way to broad base its exports by offering quality products that are energy efficient and eco-friendly at a modest price. The company has achieved the target of one million pumps per annum. It is exporting pumpsets to more than 50 countries, developing as well as developed, where quality is well accepted.

The company has also obtained BIS certificate for ISI mark in 1989 and through continuous process improvements and streamlining the quality system at par with the international standards has now acquired ISO:9001:2000 certification & CE

POLICY

Shakti Pumps (India) Ltd. takes care of the customer needs by supplying them quality products as per international standards for their total satisfaction.

The company is fully committed to effect timely deliveries and to extend effective services besides maintaining the quality levels.

OBJECTIVES

The company is on the threshold of growing further and has set out the following objectives:

- Emerge as leader in domestic and international market and, thus, having an uncountable satisfied customers across the world.
- Upgradation of product and technology by its team of research and development team, which is constantly in search of innovative solutions to provide the right product.
- To manufacture quality pumps that consume less energy and are high on durability with easy maintenance.
- Develop quality culture by training and motivating total team for quality consciousness.
- Total customer satisfaction.

FEATURES

Electric submersible pumpsets of modular design suitable for under-water operation. For universal fit, all mounting dimensions of pumps and motors are in accordance with NEMA standards.

Submersible Pumps

- Stainless steel construction of main hydraulic component impellers and diffusers/bowl.
- Pump shaft in Duplex stainless steel material.
- With radial and semi-axial flow impellers.
- For well size 4", 6", 8", 10" & 12"
- Also available in complete stainless steel construction.

Submersible Motors

- Stainless steel construction of motor shell.
- Suitable for 115/230/460 v & 60Hz electric supply. Can also be designed for different voltage/frequency combination of electric supply against specific requirements.
- Available for well size 4", 6" 8" & 10".
- Also available in complete stainless steel construction.

APPLICATIONS

- Domestic, industrial and community water supply.
- Irrigation, including drip and sprinkler irrigation.
- Various civil and industrial applications.
- Booster applications.
- Fire fighting applications.
- De-watering industry.

GENERAL DATA

- Operating range : 5 GPM to 1100 GPM
- Pumped Liquid : Clean, free from solid or abrasive substance, chemically neutral and close to the characteristics of water
- Max. Liquid Temperature: 35°C, 95° F
- Max. quantity of sand : 40gr/m³
- Starts/hour : max. 15 to 20
- Minimum recommended level of suction : 3.28 feet

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Selection Charts
(Ratings are in Gallons per Minute - GPM)

Flow Range
(3 To 10 GPM)

Pump Outlet
1" NPT

		Depth to pumping water Level (Lift) In Feet																													
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100				
QF1.5-8	1/3-	20	10	9.5	8.7	8.0	7.2	6.4	5	3.7	1.8																				
		30	9.3	8.7	7.9	7.1	6.1	5.1	2.6																						
		40	8.5	7.8	7.0	6.1	4.5	2.9	1.5																						
		50	7.6	6.9	5.8	4.7	2.3																								
		60	6.7	5.8	3.9	2.0																									
SHUT-OFF PSI			86	77	69	60	52	43	34	26	17	8																			
QF1.5-11	1/2-	0					9.9	9.5	8.9	8.4	7.8	7.3	6.7	6.0	5.0	4.0															
		20			9.8	9.3	8.8	8.2	7.7	7.1	6.5	5.8	4.7	3.5	1.8																
		30	10	9.7	9.2	8.7	8.1	7.6	7.0	6.4	5.6	4.7	2.9																		
		40	9.6	9.2	8.6	8.1	7.5	6.9	6.2	5.6	4.3	3.0	1.5																		
		50	9.1	8.5	8.0	7.4	6.8	6.2	5.3	4.3	2.2																				
60	8.4	7.9	7.3	6.8	6.0	5.3	3.8	2.3																							
SHUT-OFF PSI			122	113	105	96	87	79	70	61	53	44	35	27	18	10															
QF1.5-15	3/4-	0					10.1	9.9	9.5	9.2	8.8	8.4	8.0	7.6	7.1	6.7	5.6	2.9													
		20			10.1	9.8	9.4	9.0	8.6	8.2	7.8	7.4	7.0	6.5	6.1	5.4	3.6														
		30			10	9.7	9.4	9.0	8.6	8.2	7.8	7.4	6.9	6.5	5.9	5.4	4.5	1.8													
		40		10	9.7	9.3	8.9	8.5	8.1	7.7	7.3	6.9	6.4	5.9	5.2	4.5	3.2	1.0													
		50	9.9	9.6	9.2	8.9	8.5	8.1	7.6	7.2	6.8	6.4	5.8	5.2	4.2	3.2	1.6														
60	9.5	9.2	8.8	8.4	8.0	7.6	7.2	6.7	6.2	5.7	4.9	4.2	2.8	1.4																	
SHUT-OFF PSI			170	101	153	144	135	127	118	110	101	92	84	75	66	58	49	32	6.0												
QF1.5-19	1	0					10.1	9.8	9.5	9.2	8.9	8.6	8.3	7.9	7.6	7.3	6.6	5.3	2.8												
		20				10	9.7	9.5	9.2	8.9	8.5	8.2	7.9	7.6	7.3	6.9	6.2	4.6	1.4												
		30				10	9.7	9.4	9.1	8.8	8.5	8.2	7.8	7.5	7.2	6.9	6.5	5.6	3.7												
		40			10	9.7	9.4	9.1	8.8	8.5	8.2	7.8	7.5	7.2	6.9	6.5	5.6	3.7													
		50	10.2	9.9	9.7	9.4	9.1	8.8	8.4	8.1	7.8	7.5	7.2	6.8	6.5	6.0	5.0	2.4													
60	10.1	9.9	9.6	9.3	9.0	8.7	8.4	8.1	7.8	7.4	7.1	6.8	6.4	6.0	5.5	4.2															
SHUT-OFF PSI			218	209	200	192	183	174	166	157	148	140	131	123	114	105	97	79	53	27											
QF1.5-26	1 1/2	0										10.1	9.9	9.7	9.5	9.3	8.8	8.1	7.4	6.7	5.5										
		20								10	9.8	9.6	9.4	9.2	9.0	8.8	8.3	7.6	6.9	6.1	4.4										
		30								10	9.8	9.6	9.4	9.2	9.0	8.7	8.5	8.0	7.3	6.6	5.7	3.7									
		40					10.1	10	9.8	9.6	9.4	9.1	8.9	8.7	8.5	8.2	7.8	7.1	6.3	5.2	2.9										
		50				10.1	9.9	9.7	9.6	9.3	9.1	8.9	8.7	8.4	8.2	8.0	7.5	6.8	5.9	4.7	1.9										
60			10.1	9.9	9.7	9.5	9.3	9.1	8.9	8.6	8.4	8.2	7.9	7.7	7.2	6.5	5.5	4.1													
SHUT-OFF PSI					274	265	257	248	239	231	222	213	205	196	187	179	161	135	110	84	49										
QF1.5-32	2	0										10.6	10.5	10.4	10.4	10.3	10.1	9.6	9.1	8.4	7.3	5.7									
		20								10.5	10.5	10.4	10.3	10.3	10.2	10.0	9.8	9.2	8.6	7.8	6.6	4.8									
		30								10.5	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.6	9.0	8.3	7.5	6.2	4.3								
		40							10.5	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.7	9.4	8.8	8	7.2	5.8	3.9								
		50							10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.5	9.1	8.5	7.7	6.8	5.4	3.3								
60					10.5	10.4	10.3	10.2	10.1	10.0	9.8	9.7	9.5	9.3	8.9	8.2	7.4	6.4	5.0												
SHUT-OFF PSI						343	334	326	317	308	300	291	282	274	265	256	239	213	187	161	126	83									

Specifications Subject to change without Notice.

Selection Charts
(Ratings are in Gallons per Minute - GPM)

Flow Range
(5 To 14 GPM)

Pump Outlet
1 1/4" NPT

		Depth to pumping water Level (Lift) In Feet																											
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100		
QF2-6	1/3	20	14	13.2	12.4	10.6	8.9	5.3																					
		30	13.2	11.8	10.4	8.4																							
		40	11.9	10.1	8.3																								
		50	9.8	7.5																									
		60	7.7	3.9																									
SHUT-OFF PSI			64	55	47	38	29	21	12	3																			
QF2-9	1/2	0				14.1	13.4	12.4	11.4	10.4	9.5	8.3	6.6	3.5															
		20		13.9	13.1	12.1	11.1	10.1	9.2	7.9	5.8	2.0																	
		30	13.8	13.0	12.0	11.0	10.0	9.0	7.6	5.3	1.2																		
		40	12.8	11.8	10.8	9.8	8.8	7.3	4.8																				
		50	11.7	10.7	9.7	8.6	7.0	4.3																					
SHUT-OFF PSI			100	92	83	74	66	57	48	40	31	23	14	5															
QF2-12	3/4	0					14.3	13.8	13.2	12.5	11.7	11.0	10.2	9.5	8.7	7.6	6.0												
		20			14.2	13.6	12.9	12.2	11.5	10.7	10.0	9.3	8.4	7.2	5.4	2.6													
		30		14.1	13.5	12.9	12.1	11.4	10.6	9.9	9.2	8.2	7.0	5.0	2.0														
		40	14.0	13.4	12.8	12.0	11.3	10.5	9.8	9.0	8.1	6.7	4.7	1.4															
		50	13.3	12.6	11.9	11.1	10.4	9.7	8.9	7.9	6.5	4.2																	
SHUT-OFF PSI			137	129	120	111	103	94	85	77	68	59	51	42	33	25	16												
QF2-15	1	0							14.1	13.6	13.1	12.5	11.9	11.3	10.7	10.1	9.6	8.2	3.8										
		20					13.9	13.5	12.9	12.3	11.7	11.1	10.5	10.0	9.4	8.7	7.9	5.2											
		30				13.9	13.4	12.8	12.2	11.6	11.0	10.5	9.9	9.3	8.6	7.7	6.6	2.6											
		40		14.2	13.8	13.3	12.7	12.1	11.5	10.9	10.4	9.8	9.2	8.5	7.6	6.3	4.6												
		50	14.1	13.7	13.2	12.6	12.1	11.4	10.9	10.3	9.7	9.1	8.3	7.4	6.1	4.3	1.7												
SHUT-OFF PSI			174	165	157	148	139	131	122	113	105	96	87	79	70	61	53	35	10										
QF2-21	1 1/2	0								14.2	13.9	13.6	13.3	12.9	12.5	12.0	11.2	9.9	8.5	6.3									
		20							14.1	13.9	13.5	13.1	12.7	12.3	11.9	11.5	11.0	10.2	8.9	6.9	2.9								
		30						14.1	13.8	13.5	13.1	12.7	12.3	11.8	11.4	11.0	10.5	9.7	8.3	5.7									
		40					14.1	13.8	13.4	13.0	12.6	12.2	11.8	11.3	10.9	10.5	10.1	9.2	7.5	4.1									
		50				14.0	13.7	13.3	13.0	12.5	12.1	11.7	11.3	10.8	10.4	10.0	9.6	8.7	6.5	2.0									
SHUT-OFF PSI				237	229	220	211	203	194	185	177	168	159	151	142	133	125	107	81	55	29								
QF2-27	2	0												14.1	13.9	13.7	13.4	12.8	11.8	10.8	9.8	8.3	4.7						
		20											14.1	13.8	13.6	13.3	13.0	12.7	12.0	11.0	10.0	9.0	7.1	1.5					
		30										14	13.8	13.5	13.3	12.9	12.6	12.3	11.6	10.6	9.7	8.6	6.2						
		40							14.2	14.0	13.8	13.5	13.2	12.9	12.6	12.2	11.9	11.2	10.3	9.3	8.1	5.2							
		50						14.2	14.0	13.7	13.5	13.2	12.8	12.5	12.2	11.9	11.5	10.9	9.9	8.9	7.4	3.8							
SHUT-OFF PSI						285	276	268	259	250	242	233	224	216	207	198	181	155	129	103	68	25							
QF2-34	3	0															13.8	13.2	12.5	11.9	10.9	9.6	7.9	4.6					
		20															13.9	13.7	13.3	12.7	12.0	11.3	10.8	8.9	6.7	2.7			
		30															13.9	13.7	13.5	13.1	12.4	11.7	11.0	10.0	8.5	6.0	1.3		
		40												14	13.8	13.7	13.5	13.3	12.8	12.2	11.5	10.8	9.7	8.0	5.1				
		50											14.0	13.8	13.6	13.4	13.2	13.0	12.6	11.9	11.2	10.5	9.4	7.5	4.2				
SHUT-OFF PSI												332	324	315	306	298	289	272	246	220	194	159	116	73	29				

See QF2 Performance Curves for Higher Head Models.
Specifications Subject to change without Notice.

Selection Charts
(Ratings are in Gallons per Minute - GPM)

Flow Range
(10 To 20 GPM)

Pump Outlet
1 1/4" NPT

		Depth to pumping water Level (Lift) In Feet																												
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100			
QF5-5	1/2	20	20.3	18.2	14.1	10	5.0																							
		30	17.3	14.4	8.0	1.6																								
		40	12.7	8.0	4.0																									
		50	6.5																											
		60	2.9																											
		SHUT-OFF PSI			58	49	40	32	23	14																				
QF5-8	3/4	0					20.5	19.2	17.5	15.8	12.8	9.8	5.2																	
		20			20.1	18.8	16.9	15.2	11.8	8.5	4.3																			
		30	21.2	19.9	18.4	16.9	14.3	11.8	7.5	3.2	1.6																			
		40	19.7	18.3	16.3	14.3	10.8	7.2	3.6																					
		50	17.9	16.3	13.5	10.7	6.2	1.7																						
		60	15.7	13.5	9.6	5.8	2.9																							
SHUT-OFF PSI			97	88	80	71	62	54	45	36	28	19	10																	
QF5-10	1	0						20.8	19.8	18.8	17.3	15.9	13.7	11.4	8.0	4.7														
		20					20.5	19.4	18.3	16.8	15.3	12.9	10.5	7.0	3.5	1.8														
		30				20.3	19.3	18.1	16.8	14.8	12.8	9.8	6.7	3.3																
		40		20.2	19.1	18.0	16.4	14.8	12.2	9.6	5.9	2.3																		
		50	20.0	19.0	17.7	16.3	14.2	12.0	8.8	5.6	2.8																			
		60	18.8	17.6	15.8	14.1	11.3	8.6	4.8																					
SHUT-OFF PSI			123	115	106	97	89	80	71	63	54	45	37	28	19	11														
QF5-14	1 1/2	0								21.0	20.3	19.6	18.8	18.0	16.9	15.8	14.3	10.7	3.3											
		20							20.1	19.3	18.5	17.7	16.6	15.4	13.8	12.2	10.0	5.1												
		30						20.7	20.0	19.2	18.4	17.4	16.5	15.1	13.7	11.8	9.8	7.3	2.4											
		40					20.6	19.8	19.1	18.3	17.4	16.0	15.0	13.3	11.6	9.3	7.0	4.3												
		50			20.4	19.8	18.9	18.2	17.2	16.1	14.7	13.2	11.2	9.1	6.5	3.9	2.0													
		60		20.3	19.6	18.8	18.0	17.1	15.8	14.5	12.8	11.0	8.6	6.3	3.4															
SHUT-OFF PSI				167	158	149	141	132	123	115	106	97	89	80	71	63	54	37	28											
QF5-18	2	0										21.2	20.6	20	19.5	18.9	18.2	16.7	13.5	8.8	2.7									
		20									20.4	19.8	19.3	18.7	18.0	17.3	16.4	14.3	10.0	4.2										
		30									20.3	19.8	19.2	18.6	17.9	17.2	16.3	15.3	12.8	7.9	1.9									
		40								20.3	19.7	19.1	18.5	17.8	17.1	16.1	15.2	13.9	11.1	5.7										
		50						20.2	19.6	19.0	18.3	17.7	16.8	16.0	14.9	13.8	12.3	9.2	3.2											
		60					20.1	19.5	18.9	18.3	17.5	16.8	15.8	14.8	13.5	12.3	10.6	7.0												
SHUT-OFF PSI						194	186	177	168	160	151	142	134	125	116	108	90	65	39	13										
QF5-24	3	0																19.6	18.3	16.5	14.2	9.8	2.1							
		20																20.3	19.9	19.5	18.6	17.0	14.8	11.8	6.5					
		30																20.3	19.8	19.4	19.0	18	16.3	13.7	10.4	4.7				
		40																20.2	19.8	19.3	18.9	18.4	17.3	15.3	12.5	8.9	2.8			
		50																20.2	19.8	19.3	18.8	18.3	17.8	16.7	14.3	11.3	7.3			
		60																20.1	19.7	19.2	18.8	18.3	17.8	17.2	15.8	13.3	9.8	5.5		
SHUT-OFF PSI										239	230	221	213	204	195	187	169	143	117	91	57	13								
QF5-38	5	0																			21.5	20.4	18.7	16.5	13.4	8.9	2.1			
		20																				20.9	19.6	17.7	15.2	11.5	6.1			
		30																				21.4	20.5	19.2	17.2	14.5	10.5	4.5		
		40																				21.1	20.2	18.8	16.7	13.7	9.3	2.7		
		50																				21.6	20.7	19.8	18.4	16.1	12.8	8.0	0.8	
		60																				21.3	20.4	19.4	17.9	15.4	11.9	6.6		
SHUT-OFF PSI																					314	288	262	227	184	141	98	54	11	

See QF5 Performance Curves for Higher Head Models.
Specifications Subject to change without Notice.

Selection Charts
(Ratings are in Gallons per Minute - GPM)

Flow Range
(18 To 32 GPM)

Pump Outlet
1 1/2" NPT

		Depth to pumping water Level (Lift) In Feet																										
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100	
QF6-3	1/2	20	18.6	6.5	3.3																							
		30	10.5																									
		40																										
		50																										
		60																										
SHUT-OFF PSI			31	22	13	5																						
QF6-5	3/4	0			34.5	29.8	23.9	18.1																				
		20	32.9	28.6	21.8	15.1	7.5																					
		30	27.1	22.5	12.3	2.0																						
		40	19.5	11.8	5.8																							
		50	10.1																									
60	4.1																											
SHUT-OFF PSI			57	48	39	31	22	13																				
QF6-7	1	0					31.3	28.5	24.3	20.2	12.7	5.1																
		20		33.2	30.3	27.6	22.9	18.3	10.4	2.5	1.3																	
		30	33	29.9	26.5	23.1	13.0	9.6	4.8																			
		40	29.4	16.6	21.3	16.2	8.2																					
		50	25.3	21.5	14.3	7.0	3.5																					
60	19.7	13.9	7.0																									
SHUT-OFF PSI			83	74	65	57	48	39	31	22	13	5																
QF6-9	1 1/2	0					32.2	30.0	27.9	24.8	21.6	16.3	10.8															
		20				31.5	29.3	27.2	23.7	20.3	14.5	8.8	4.4															
		30			31.3	29.1	26.4	23.7	18.9	14.2	7.8	1.5																
		40		30.8	28.6	26.3	22.6	18.8	12.8	6.8	3.4																	
		50	30.6	28.4	25.5	22.5	17.4	12.3	6.2																			
60	27.8	25.5	21.3	17.2	11.0	4.8	2.4																					
SHUT-OFF PSI			109	100	91	83	74	65	57	48	39	31	22	13														
QF6-11	2	0					33.1	31.1	29.3	27.6	25.1	22.5	18.5	14.5	9.3													
		20				32.5	30.6	28.8	27.0	24.3	21.5	17.3	13.0	7.8	2.5													
		30				32	30.3	28.7	26.4	24.2	20.6	16.9	12.0	7.0	3.5													
		40			31.8	30.1	28.2	26.3	23.3	20.4	15.9	11.4	6.3															
		50		31.5	29.8	28.1	25.7	23.3	19.4	15.6	10.4	5.3	2.7															
60	31.3	29.6	27.6	25.6	22.4	19.3	14.5	9.8	4.9																			
SHUT-OFF PSI			135	126	118	109	100	92	83	74	66	57	48	40	31	23												
QF6-15	3	0									32.3	31.0	29.8	28.4	27.1	25.2	20.7											
		20								31.8	30.6	29.3	28.0	26.6	24.6	22.7	19.8	13.5										
		30					33	31.7	30.4	29.2	27.8	26.2	24.5	22.1	19.7	16.4	9.3											
		40				32.8	31.5	30.3	29.0	27.5	26.0	24.0	21.9	19	16.1	12.4	4.9											
		50			32.6	31.3	30.0	28.7	27.4	25.7	23.8	21.3	18.8	15.3	12.0	8.2	2.2											
60		32.4	31.1	29.8	28.6	27.0	25.5	23.3	21.2	18.1	15.0	11.3	7.6	3.8														
SHUT-OFF PSI				170	161	152	144	135	126	118	109	100	92	83	74	66	48											
QF6-26	3	0															32.5	30.3	28	25.3	19.9	10.2						
		20															32.3	30.8	28.6	25.9	22.5	15.8	5.0					
		30																32.1	31.3	29.9	27.7	24.7	20.8	13.5	2.5			
		40																32.0	31.3	30.5	29.1	26.7	23.3	18.9	11.0			
		50																32.7	31.8	31.2	30.4	29.7	28.2	25.5	21.8	16.8	8.5	
60																32.5	31.8	31.0	30.3	29.6	28.8	27.3	24.3	20.0	14.6	5.8		
SHUT-OFF PSI												253	245	236	227	219	210	193	167	141	115	80	37					

See QF6 Performance Curves for Higher Head Models.
Specifications Subject to change without Notice.

Selection Charts
(Ratings are in Gallons per Minute - GPM)

Flow Range
(24 To 55 GPM)

Pump Outlet
2" NPT

		Depth to pumping water Level (Lift) In Feet																										
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100	
QF12-3	1	20	46.2	33.0																								
		30	69.3																									
		40	92.4																									
		50	116																									
		60	139																									
SHUT-OFF PSI		0	28	19	11	2																						
QF12-5	1 1/2	0	0				52.0	41.0	24.0																			
		20	46.2	57.0	50.0	37.0	18.0																					
		30	69.3	48.0	34.0	15.0																						
		40	92.4	31.0	11.0																							
		50	116	7.0																								
SHUT-OFF PSI		0	52	44	35	26	18	9																				
QF12-7	2	0	0					54.0	49.0	40.0	29.0	15.0																
		20	46.2			53.0	46.0	37.0	25.0	10.0																		
		30	69.3			52.0	45.0	35.0	23.0	8.0																		
		40	92.4	51.0	44.0	33.0	21.0	5.0																				
		50	116	42.0	32.0	18.0	2.0																					
SHUT-OFF PSI		0	77	68	59	51	42	33	25	16	7																	
QF12-9	3	0	0							53.0	47.0	41.0	32.0	22.0														
		20	46.2					51.0	45.0	38.0	29.0	19.0																
		30	69.3					50.0	44.0	37.0	28.0	17.0																
		40	92.4			54.0	50.0	43.0	35.0	26.0	15.0																	
		50	116	54.0	49.0	42.0	34.0	24.0	13.0																			
SHUT-OFF PSI		0	102	94	85	76	68	59	50	42	33	24	16	7														
QF12-12	5	0	0								53.0	49.0	44.0	39.0	32.0	25.0	16.0											
		20	46.2							52.0	48.0	43.0	37.0	30.0	22.0	13.0												
		30	69.3							51.0	47.0	42.0	36.0	29.0	21.0	12.0												
		40	92.4						51.0	46.0	41.0	35.0	28.0	20.0	11.0													
		50	116			54.0	50.0	45.0	40.0	34.0	26.0	18.0	9.0															
SHUT-OFF PSI		0		130	122	113	104	96	87	78	70	61	52	44	35	26	18											
QF12-15	5	0	0									52.0	49.0	46.0	42.0	37.0	26.0											
		20	46.2									51.0	48.0	45.0	40.0	35.0	30.0	24.0										
		30	69.3									51.0	48.0	44.0	40.0	35.0	29.0	23.0	16.0									
		40	92.4									51.0	47.0	43.0	39.0	34.0	28.0	21.0	14.0									
		50	116							50.0	47.0	43.0	38.0	33.0	27.0	20.0	13.0											
SHUT-OFF PSI		0					141	132	124	115	107	98	89	81	72	63	55	37	11									
QF12-21	7 1/2	0	0																	49.0	41.0	29.0	15.0					
		20	46.2																		53.0	51.0	48.0	43.0	32.0	19.0		
		30	69.3																		52.0	50.0	48.0	45.0	39.0	27.0	13.0	
		40	92.4																		52.0	50.0	48.0	45.0	42.0	35.0	22.0	6.0
		50	116																		52.0	50.0	47.0	44.0	41.0	38.0	30.0	16.0
SHUT-OFF PSI		0																		51.0	49.0	47.0	44.0	41.0	38.0	34.0	25.0	10.0
QF12-25	7 1/2	0	0																									
		20	46.2																									
		30	69.3																									
		40	92.4																									
		50	116																									
SHUT-OFF PSI		0																										
*QF12-30	10	0	0																									
		20	46.2																									
		30	69.3																									
		40	92.4																									
		50	116																									
SHUT-OFF PSI		0																										
SHUT-OFF PSI		0																										

* 6" Motor
See QF12 Performance Curves for Higher Head Models.
Specifications Subject to change without Notice.

Selection Charts
(Ratings are in Gallons per Minute - GPM)

Flow Range
(40 To 75 GPM)

Pump Outlet
2" NPT

		Depth to pumping water Level (Lift) In Feet																												
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600	700	800	900	1000	1100			
QF20-4	2	20	72.3	64.5	38.6	12.7	6.3																							
		30	58.6	44.9	22.4																									
		40	30.4																											
		50	17.9																											
		60																												
SHUT-OFF PSI			46	37	29	20	11	3																						
QF20-5	3	0				74.8	66.8	58.8	34.3																					
		20	77.8	72.9	63.8	54.8	27.1																							
		30	76.0	64.3	47.3	30.0	15.0																							
		40	60.4	49.9	25.0																									
		50	40.4	19.4	9.8																									
SHUT-OFF PSI			60	51	42	34	25	16	8																					
QF20-7	5	0					77.5	73.8	68.4	63.1	52.2	41.3																		
		20			76.3	72.4	66.6	61.1	48.3	35.8	17.9																			
		30		76.0	71.3	66.5	57.8	49.2	24.6																					
		40	75.1	71.0	64.6	58.2	43.8	29.4	14.8																					
		50	69.7	64.6	54.8	44.9	22.5																							
SHUT-OFF PSI			88	80	71	62	54	45	36	28	19	10																		
QF20-9	5	0						74.8	71.7	67.3	63	55.6	48.2	32.8	17.3															
		20					73.8	70.5	65.9	61.3	53.0	44.8	27.5	10.2	5.1															
		30			76.5	73.5	69.6	65.7	59.4	53.2	40.7	28.1	14.0																	
		40		76.2	72.8	69.3	64.3	59.4	50.3	41.0	20.5																			
		50	75.5	72.5	68.3	64.2	57.3	50.4	36.3	22.2	11.1																			
SHUT-OFF PSI			115	106	98	89	81	72	63	55	46	37	29	20	11	3														
*QF20-13	7 1/2	0								77.3	75.4	73.1	70.7	67.8	64.8	60.7	50	21.5												
		20							76.8	74.8	72.3	69.9	66.8	63.8	59.3	55.0	47.9	28.9												
		30						76.6	74.3	72.1	69.3	66.6	62.8	59.2	53.3	47.7	38.2	14.3												
		40					76.2	74.1	71.6	69.1	65.8	62.7	57.9	53.3	45.6	37.9	25.0	6.0												
		50				75.9	73.6	71.3	68.4	65.6	61.7	57.7	51.6	45.4	35.0	24.7	12.3													
SHUT-OFF PSI					152	143	134	126	117	108	100	91	82	74	65	56	48	30	4											
*QF20-18	10	0												76.5	75.0	73.3	69.8	63.1	52.6	35.8										
		20												76.1	74.6	72.8	71.2	69.2	64.7	55.8	40.0	14.2								
		30												75.9	74.3	72.7	70.8	68.9	66.7	61.6	50.9	31.5								
		40											75.7	74.1	72.3	70.6	68.5	66.5	63.9	58.0	45.0	20.7								
		50									75.4	73.8	72.1	70.2	68.3	66.0	63.7	60.7	53.6	37.5	10.0									
SHUT-OFF PSI									186	177	169	160	152	143	134	126	117	100	74	46	22									

*6" Motor
Specifications Subject to change without Notice.

Selection Charts
(Ratings are in Gallons per Minute - GPM)

Flow Range
(45 To 95 GPM)

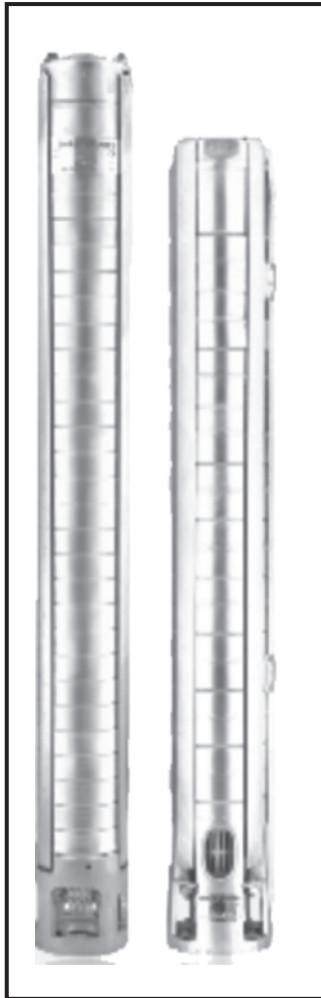
Pump Outlet
2" NPT

		Depth to pumping water Level (Lift) In Feet																						
PUMP MODEL	HP	PSI	20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	400	460	520	600		
QF25-3	2	20	69.6	45.8	22.9																			
		30	36.2																					
		40	12.4																					
		50																						
		60																						
SHUT-OFF PSI			32	23	14	6																		
QF25-5	3	0			89.8	90.2	78.8	67.6																
		20	96.3	86.8	74.8	62.9	31.5																	
		30	85.8	74.2	51.8	29.5	14.8																	
		40	70.2	57.1	28.6																			
		50	35.3																					
SHUT-OFF PSI			58	49	41	32	23	15																
QF25-8	5	0					93.3	86.5	79.6	72	64.5	46.9	29.4											
		20			97.4	91.3	84.7	77.5	69.4	61.3	40.3	19.4	9.8											
		30		96.9	90.1	83.3	76.3	69.3	56.3	43.1	21.6													
		40	95.5	89.1	82.3	75.4	66.5	57.5	28.8															
		50	88	81.2	73.9	66.7	51.2	35.8	17.9															
SHUT-OFF PSI			98	90	81	72	64	55	46	38	29	20	12	3										
*QF25-11	7.5	0							97.8	93.3	88.8	84.3	79.8	75.1	70.4	63.7	43.4							
		20					96.5	92.0	87.4	82.9	78.3	73.5	68.8	61.4	54.0	38.8	11.8							
		30				95.7	91.3	86.8	82.2	77.6	73.1	67.3	61.4	50.3	39.3	19.7								
		40			95.2	90.6	86.0	81.5	77.0	72.0	67.0	58.9	50.8	33.5	16.3	8.2								
		50		94.3	89.9	85.3	80.8	76.2	71.6	65.3	59.0	46.6	34.2	17.1										
SHUT-OFF PSI			151	142	133	125	116	107	99	90	81	73	64	55	47	38	29	12						
*QF25-15	10	0									96.7	93.4	90	86.5	83.2	76.3	64.7	40.9						
		20							95.7	92.4	88.9	85.5	82.1	78.7	75.2	67.4	49.3	12.5						
		30						95.3	91.8	88.4	85.0	81.5	78.2	74.8	70.9	61.6	37.1							
		40				98.0	94.7	91.3	87.8	84.4	81.0	77.7	74.1	70.6	66.0	54.0	19.9							
		50			97.3	94.3	90.8	87.3	83.9	80.5	77.1	73.7	69.7	65.8	59.8	43.5								
SHUT-OFF PSI					178	170	161	152	144	135	126	118	109	100	92	83	66	40	14					

* 6 "motor performance is the same at Best Efficiency point only, consult factory for actual performance.
Specifications Subject to change without Notice.

Performance Curve And Technical Data

4-inch Submersibles

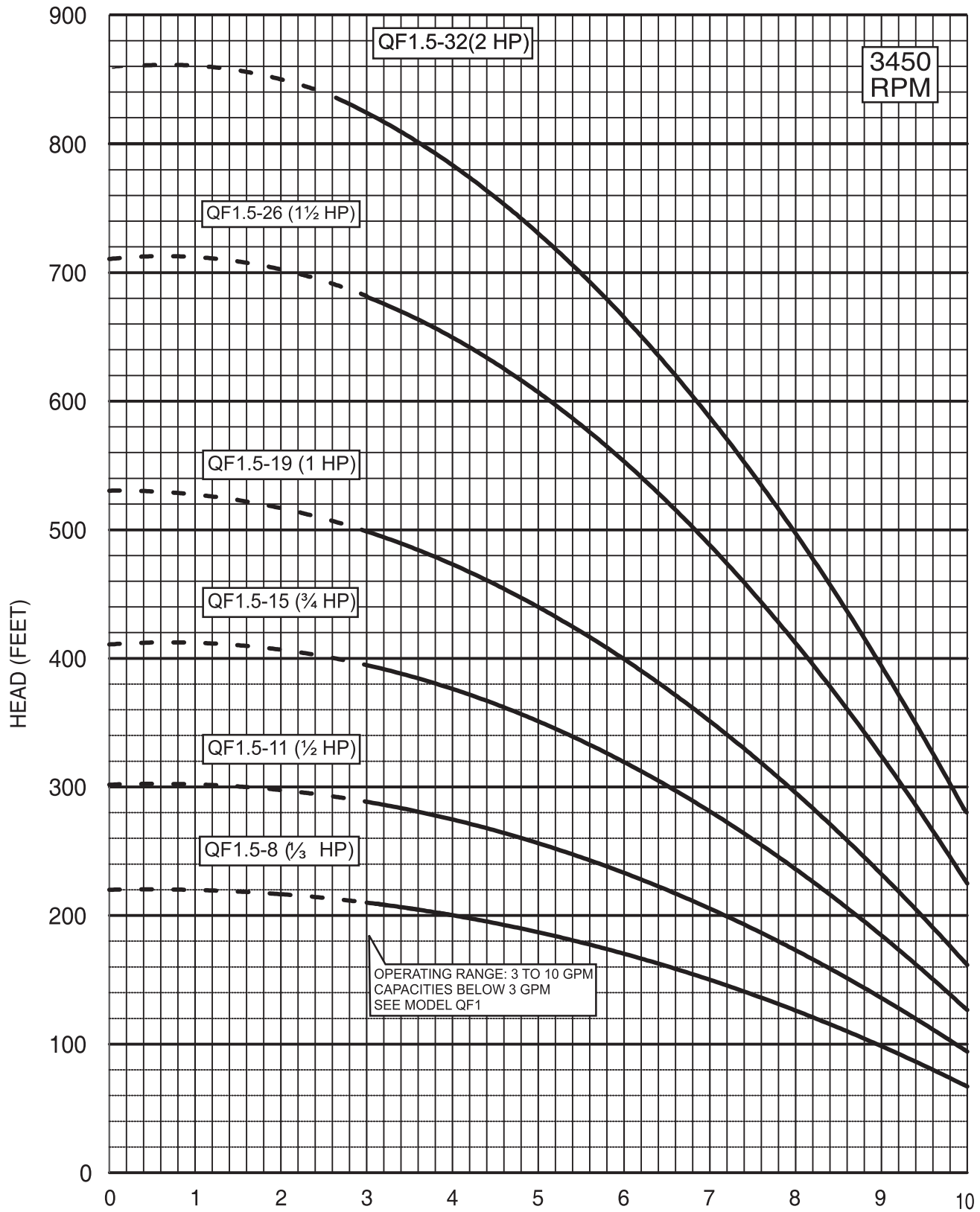


Materials of Construction

FLOW RANGE: 3-10 GPM

OUTLET SIZE: 1" NPT

NOMINAL DIA. 4"



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

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
QF1.5-8	A	1/3	4"	1" NPT	21.5	8.8	12.7	3.8	3.9	27
QF1.5-11	A	1/2	4"	1" NPT	24.7	9.5	15.2	3.8	3.9	30
QF1.5-15	A	3/4	4"	1" NPT	29.2	10.7	18.5	3.8	3.9	33
QF1.5-19	A	1	4"	1" NPT	33.6	11.8	21.8	3.8	3.9	36
QF1.5-26	A	1 1/2	4"	1" NPT	41.2	13.6	27.6	3.8	3.9	46
QF1.5-32	A	2	4"	1" NPT	48.5	14.0	34.5	3.8	3.9	59

NOTES: All models suitable for use in 4" wells.
Weights include pump end with motor in lbs.

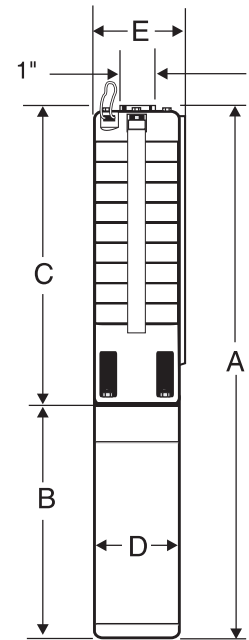


Fig. A

MATERIALS OF CONSTRUCTION

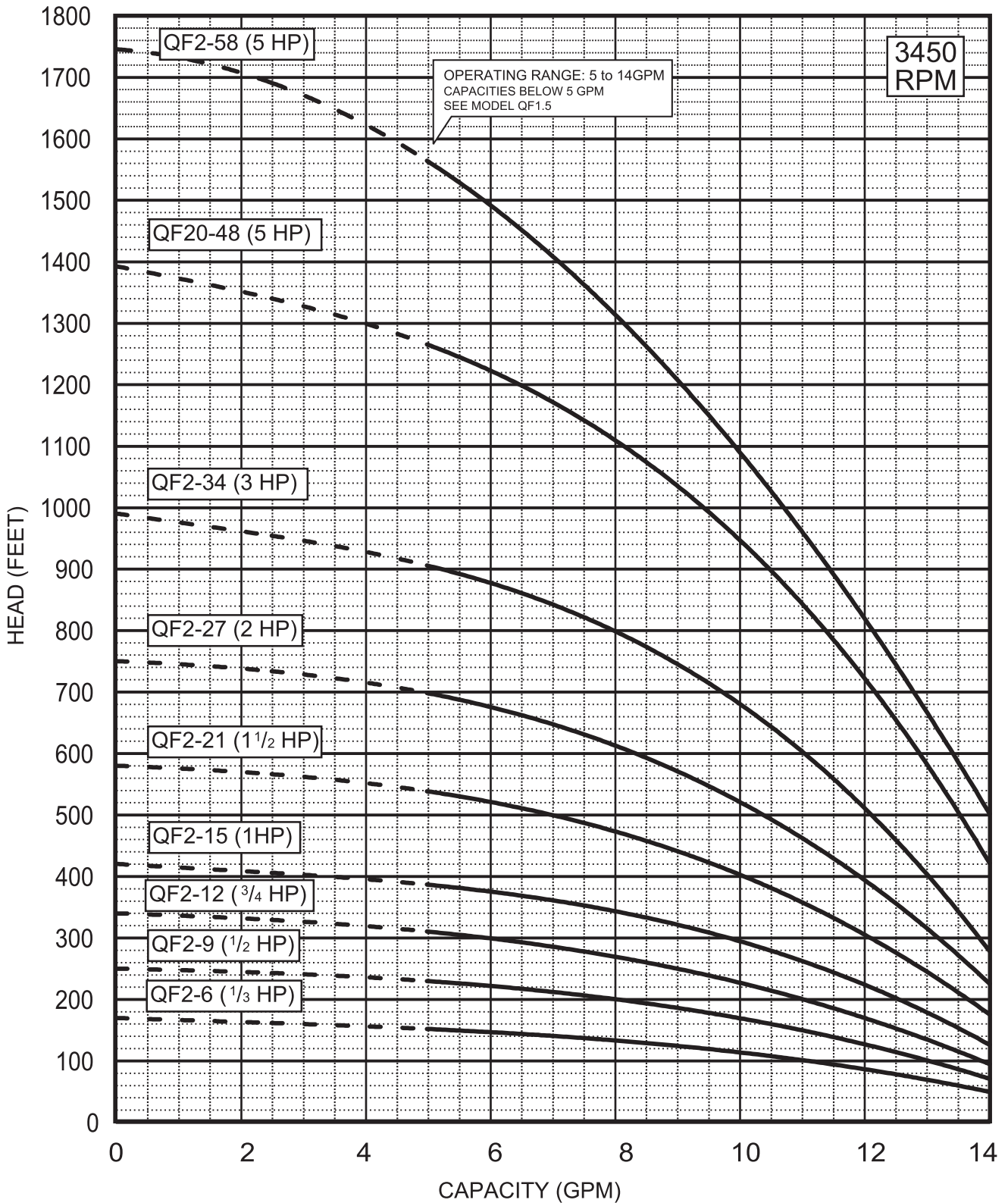
COMPONENT	SPLINE SHAFT
Check Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Pump Shaft	304 L Stainless Steel
Straps	316 Stainless Steel
Cable Guard	304 Stainless Steel
Priming Inducer	304 Stainless Steel
Coupling	304 Stainless Steel
Check Valve Seat	NBR
Top Bearing	NBR
Impeller Seal Ring	NBR/PBT
Intermediate Bearings	NBR

NOTES: Specifications subject to change without notice.

FLOW RANGE: 5 -14 GPM

OUTLET SIZE: 1 1/4" NPT

NOMINAL DIA. 4"

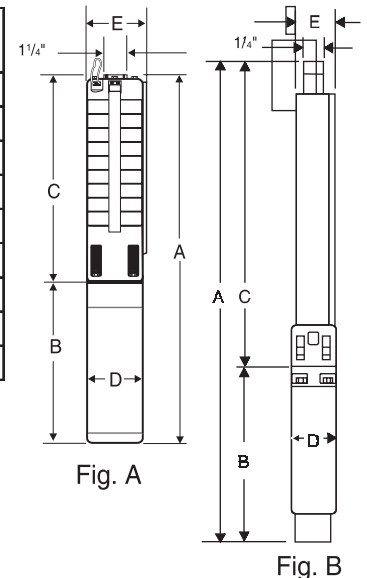


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, 3450 RPM.

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

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
QF 2-6	A	1/3	4"	1 1/4" NPT	19.9	8.8	11.1	3.8	3.9	26
QF 2-9	A	1/2	4"	1 1/4" NPT	23.0	9.5	13.5	3.8	3.9	29
QF 2-12	A	3/4	4"	1 1/4" NPT	26.7	10.7	16.0	3.8	3.9	32
QF 2-15	A	1	4"	1 1/4" NPT	30.3	11.8	18.5	3.8	3.9	34
QF 2-21	A	1 1/2	4"	1 1/4" NPT	37.1	13.6	23.5	3.8	3.9	44
QF 2-27	A	2	4"	1 1/4" NPT	43.5	15.1	28.4	3.8	3.9	49
QF 2-34	A	3	4"	1 1/4" NPT	54.7	20.6	34.1	3.8	3.9	83
QF 2-48	A	5	4"	1 1/4" NPT	71.3	23.6	47.7	3.8	3.9	115
QF 2-58*	B	5	4"	1 1/4" MPT	88.2	23.6	64.5	3.8	4.3	142



NOTES: All models suitable for use in 4" wells, unless otherwise noted.
 Weights include pump end with motor in lbs.
 * Built into sleeve 1 1/4" MPT discharge, 5" min. well dia.

MATERIALS OF CONSTRUCTION

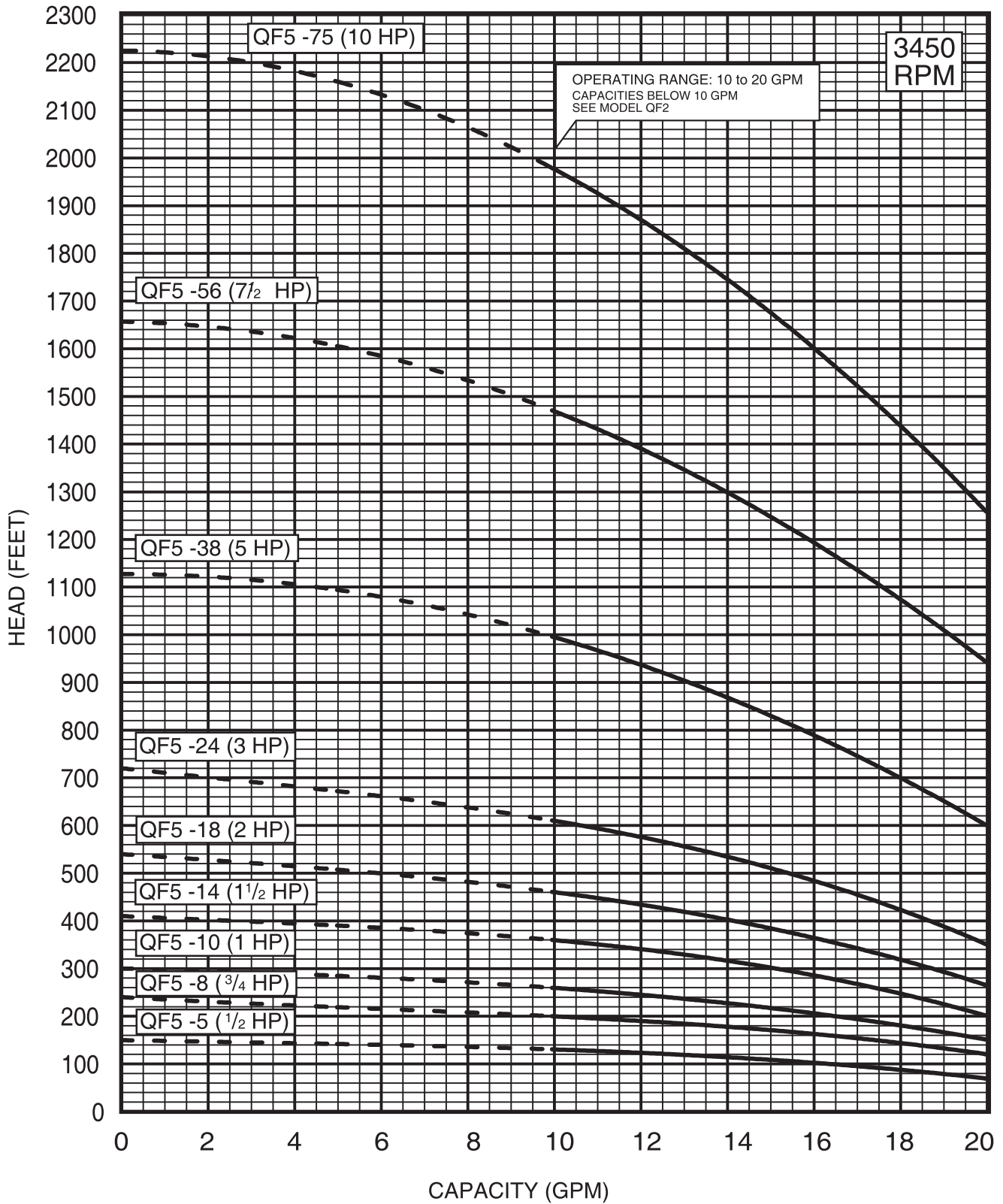
COMPONENT	SPLINED SHAFT (6-27 Stgs.)	CYLINDRICAL SHAFT (34-48 Stgs.)	DEEP SET (58 Stgs.)
Check Valve Housing	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Check Valve	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Impeller	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Suction Interconnector	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Inlet Screen	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Pump Shaft	304 L Stainless Steel	304 L Stainless Steel	304 L Stainless Steel
Straps	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Cable Guard	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Priming Inducer	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Coupling	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Check Valve Seat	NBR	NBR	NBR
Top Bearing	NBR	NBR	NBR
Impeller Seal Ring	NBR/PBT	NBR/PPS	NBR/PPS
Intermediate Bearings	NBR	NBR	NBR
Shaft Washer	Not Required	LCP	LCP
Split Cone	Not Required	304 Stainless Steel	304 Stainless Steel
Split Cone Nut	Not Required	304 Stainless Steel	304 Stainless Steel
Sleeve	Not Required	Not Required	304 Stainless Steel
Sleeve Flange	Not Required	Not Required	Zincless Bronze*

NOTES: Specifications subject to change without notice.
 * Stainless Steel option available.

FLOW RANGE: 10 -20 GPM

OUTLET SIZE: 1 1/4 " NPT

NOMINAL DIA. 4"

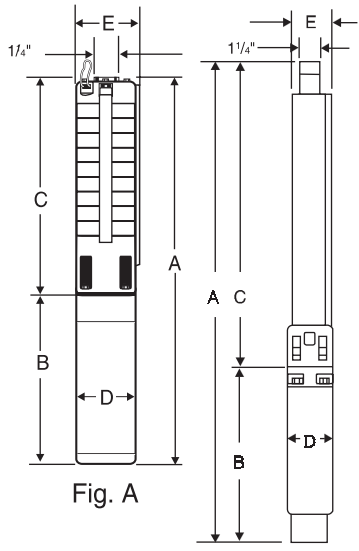


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, .5-5 HP/3450 RPM.
6" MOTOR STANDARD, 7.5-10HP/3450 RPM.

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

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
QF 5-5	A	1/2	4"	1 1/4" NPT	19.7	9.5	10.2	3.8	3.9	27
QF 5-8	A	3/4	4"	1 1/4" NPT	23.4	10.7	12.7	3.8	3.9	29
QF 5-10	A	1	4"	1 1/4" NPT	26.2	11.8	14.4	3.8	3.9	32
QF 5-14	A	1 1/2	4"	1 1/4" NPT	32.8	15.1	17.7	3.8	3.9	36
QF 5-18	A	2	4"	1 1/4" NPT	36.0	15.1	20.9	3.8	3.9	40
QF 5-24	A	3	4"	1 1/4" NPT	46.5	20.6	25.9	3.8	3.9	64
QF 5-38	A	5	4"	1 1/4" NPT	61.1	23.6	37.5	3.8	3.9	94
QF 5-56*	B	7 1/2	6"	1 1/4" MPT	93.0	24.2	68.8	5.4	4.6	220
QF 5-75*	B	10	6"	1 1/4" MPT	109.9	25.4	84.5	5.4	4.6	245



NOTES: All models suitable for use in 4" wells, unless otherwise noted.
 Weights include pump end with motor in lbs.
 * Built into sleeve 1 1/4" MPT discharge, 6" min. well dia.

MATERIALS OF CONSTRUCTION

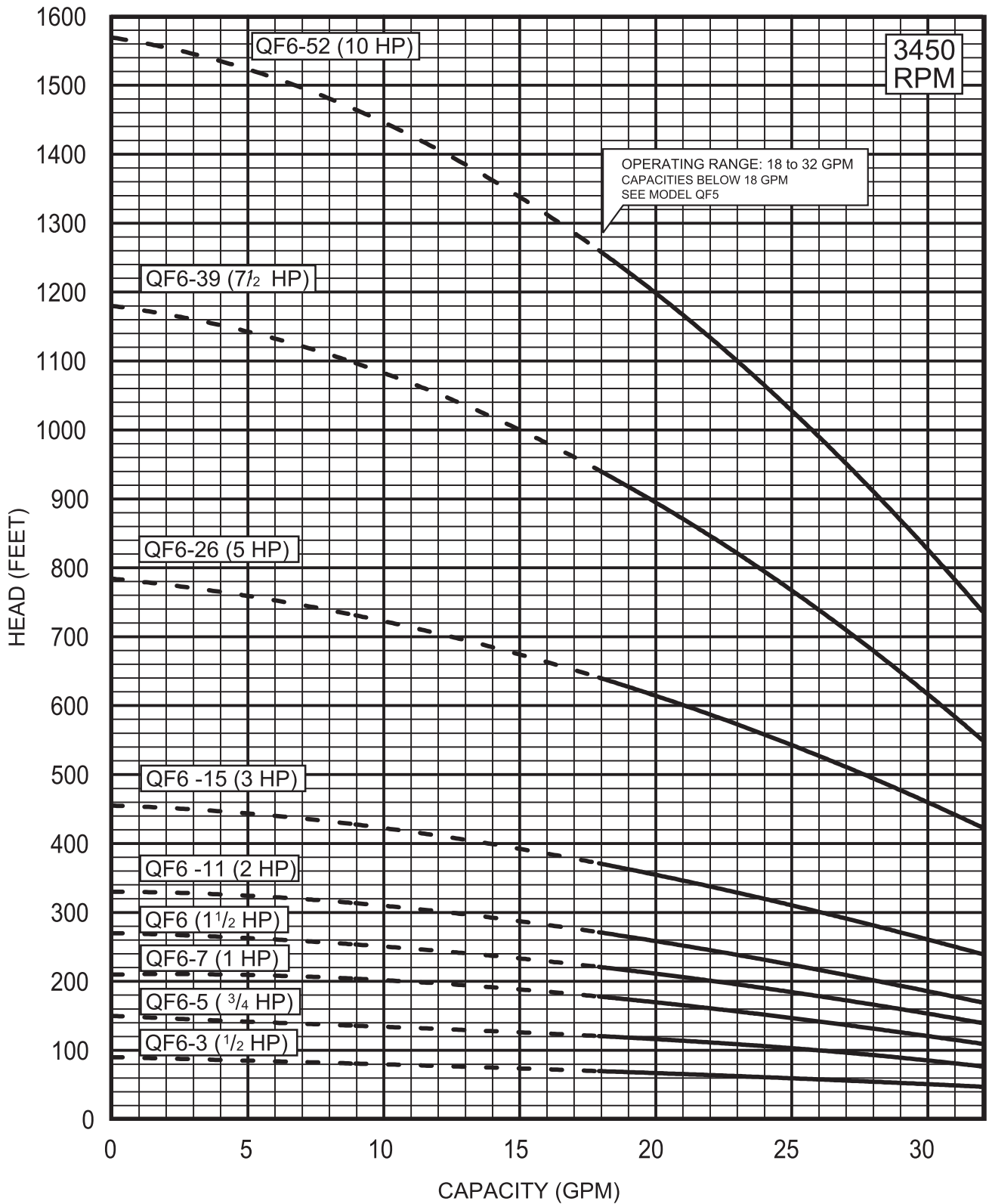
COMPONENT	SPLINED SHAFT (5-24 Stgs.)	CYLINDRICAL SHAFT (38 Stgs.)	DEEP SET (56-75 Stgs)
Check Valve Housing	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Check Valve	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Impeller	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Suction Interconnector	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Inlet Screen	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Pump Shaft	304 L Stainless Steel	304 L Stainless Steel	304 L Stainless Steel
Straps	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Cable Guard	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Priming Inducer	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Coupling	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Check Valve Seat	NBR	NBR	NBR
Top Bearing	NBR	NBR	NBR
Impeller Seal Ring	NBR/PBT	NBR/PPS	NBR/PPS
Intermediate Bearings	NBR	304 Stainless Steel	NBR/316 Stainless Steel
Shaft Washer	Not Required	LCP	LCP
Split Cone	Not Required	304 Stainless Steel	304 Stainless Steel
Split Cone Nut	Not Required	304 Stainless Steel	304 Stainless Steel
Sleeve	Not Required	Not Required	304 Stainless Steel
Sleeve Flange	Not Required	Not Required	Zinccless Bronze*
Coupling Key	Not Required	Not Required	316 Stainless Steel

NOTES: Specifications are subject to change without notice.
 *Stainless Steel option available.

FLOW RANGE: 18 -32 GPM

OUTLET SIZE: 1 1/2" NPT

NOMINAL DIA. 4"



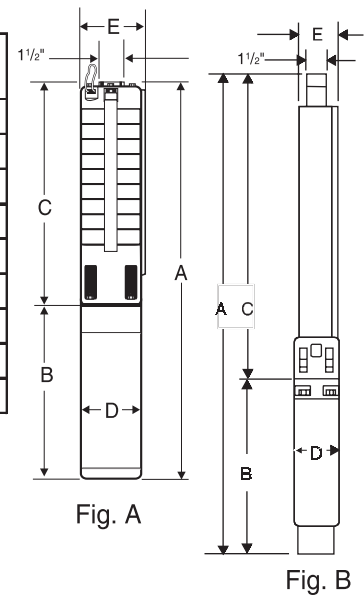
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
4" MOTOR STANDARD, .5-5 HP/3450 RPM.
6" MOTOR STANDARD, 7.5-10HP/3450 RPM.

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

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
QF 6 -3	A	1/2	4"	1 1/2" NPT	18.1	9.5	8.6	3.8	3.9	26
QF 6 -5	A	3/4	4"	1 1/2" NPT	20.9	10.7	10.2	3.8	3.9	28
QF 6 -7	A	1	4"	1 1/2" NPT	23.7	11.8	11.9	3.8	3.9	29
QF 6 -9	A	1 1/2	4"	1 1/2" NPT	27.1	13.6	13.5	3.8	3.9	34
QF 6 -11	A	2	4"	1 1/2" NPT	30.3	15.1	15.2	3.8	3.9	37
QF 6 -15	A	3	4"	1 1/2" NPT	39.1	20.6	18.5	3.8	3.9	59
QF 6 -26	A	5	4"	1 1/2" NPT	51.2	23.6	27.6	3.8	3.9	76
QF 6 -39*	A	7 1/2	6"	1 1/2" NPT	66.8	24.2	42.6	5.4	4.6	168
QF 6 -52*	B	10	6"	1 1/2" MPT	90.9	25.4	65.5	5.4	5.4	226

NOTES: All models suitable for use in 4" wells, unless otherwise noted.
Weights include pump end with motor in lbs.
* Built into sleeve 1 1/2" MPT discharge, 6" min. well dia.



MATERIALS OF CONSTRUCTION

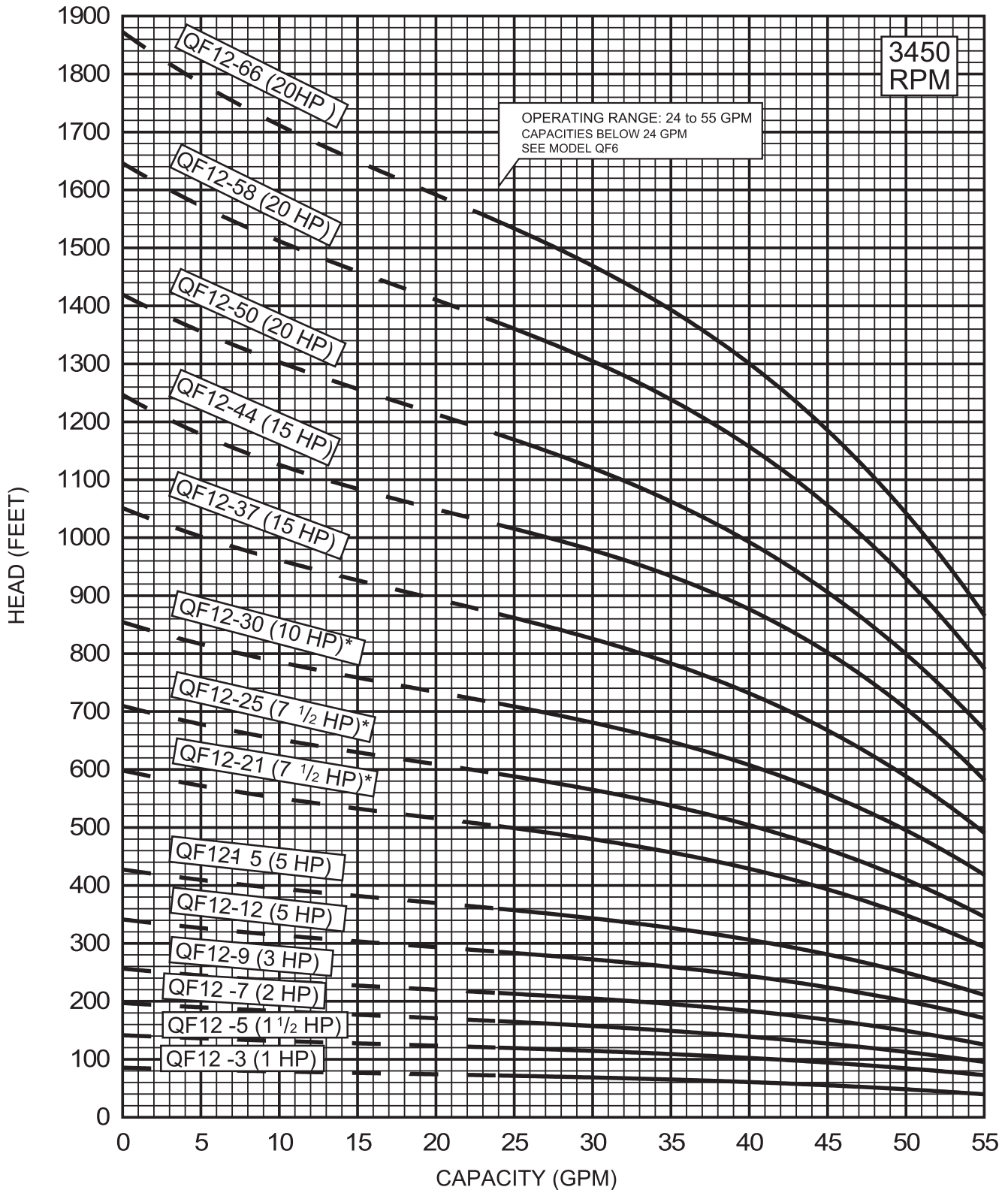
COMPONENT	SPLINED SHAFT (3-26 Stgs.)	CYLINDRICAL SHAFT (39 Stgs.)	DEEP SET (52 Stgs)
Check Valve Housing	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Check Valve	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Impeller	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Suction Interconnector	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Inlet Screen	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Pump Shaft	304 L Stainless Steel	304 L Stainless Steel	304 L Stainless Steel
Straps	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Cable Guard	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Priming Inducer	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Coupling	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Check Valve Seat	NBR	NBR	NBR
Top Bearing	NBR	NBR	NBR
Impeller Seal Ring	NBR/PBT	NBR/PPS	NBR/PPS
Intermediate Bearings	NBR	NBR	NBR
Shaft Washer	Not Required	LCP	LCP
Split Cone	Not Required	304 Stainless Steel	304 Stainless Steel
Split Cone Nut	Not Required	304 Stainless Steel	304 Stainless Steel
Sleeve	Not Required	Not Required	304 Stainless Steel
Sleeve Flange	Not Required	Not Required	Zincless Bronze*
Coupling Key	Not Required	Not Required	316 Stainless Steel

NOTES: Specifications are subject to change without notice.
*Stainless Steel option available.

FLOW RANGE: 24 - 55 GPM

OUTLET SIZE: 2 " NPT

NOMINAL DIA. 4"



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.

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
QF12-3	A	1	4"	2" NPT	24.6	11.8	12.8	3.8	3.9	32
QF12-5	A	1 1/2	4"	2" NPT	29.7	13.6	16.1	3.8	3.9	37
QF12-7	A	2	4"	2" NPT	34.5	15.1	19.4	3.8	3.9	41
QF12-9	A	3	4"	2" NPT	43.3	20.6	22.7	3.8	3.9	65
QF12-12	A	5	4"	2" NPT	51.3	23.6	27.7	3.8	3.9	78
QF12-15	A	5	4"	2" NPT	56.2	23.6	32.6	3.8	3.9	84
QF12-21*	A	7 1/2	4"	2" NPT	74.6	29.6	45.0	3.8	3.9	120
QF12-25*	A	7 1/2	4"	2" NPT	81.2	29.6	51.6	3.8	3.9	124
QF12-30*	A	10	4"	2" NPT	103.7	43.9	59.8	3.8	3.9	181
QF12-37	A	15	6"	2" NPT	99.5	28.0	71.5	5.4	5.4	244
QF12-44	A	15	6"	2" NPT	111.0	28.0	83.0	5.4	5.4	340
QF12-50**	B	20	6"	2" MPT	136.0	30.6	105.4	5.4	5.5	319
QF12-58**	B	20	6"	2" MPT	149.2	30.6	118.6	5.4	5.5	334
QF12-66**	B	20	6"	2" MPT	162.4	30.6	131.8	5.4	5.5	394

NOTES: All models suitable for use in 4" wells, unless otherwise noted.
 Weights include pump end with motor in lbs.
 * Also available with 6" motor.
 ** Built into sleeve 2" MPT discharge, 6" min. well dia.

MATERIALS OF CONSTRUCTION

COMPONENT	CYLINDRICAL SHAFT (3-44 Stgs.)	DEEP SET (50-66 Stgs.)
Check Valve Housing	304 Stainless Steel	304 Stainless Steel
Check Valve	304 Stainless Steel	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel	304 Stainless Steel
Impeller	304 Stainless Steel	304 Stainless Steel
Suction Interconnector	304 Stainless Steel	304 Stainless Steel
Inlet Screen	304 Stainless Steel	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel	Duplex Stainless Steel
Straps	304 Stainless Steel	304 Stainless Steel
Cable Guard	304 Stainless Steel	304 Stainless Steel
Priming Inducer	304 Stainless Steel	304 Stainless Steel
Coupling	304 Stainless Steel	304 Stainless Steel
Check Valve Seat	NBR	NBR
Top Bearing	NBR	NBR
Impeller Seal Ring	NBR	NBR
Intermediate Bearings	NBR	NBR
Shaft Upthrust Washer	LCP	LCP
Split Cone	304 Stainless Steel	304 Stainless Steel
Split Cone Nut	304 Stainless Steel	304 Stainless Steel
Sleeve	Not Required	304 Stainless Steel
Sleeve Flange	Not Required	Zinc less bronze*

NOTES: Specifications are subject to change without notice.
 *Stainless Steel option available.

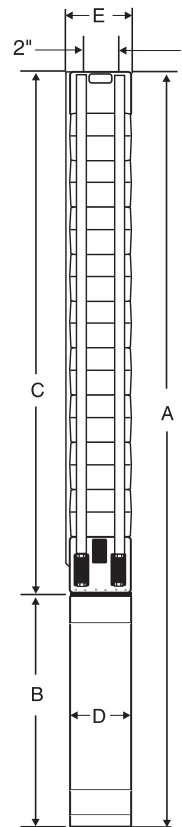


Fig. A

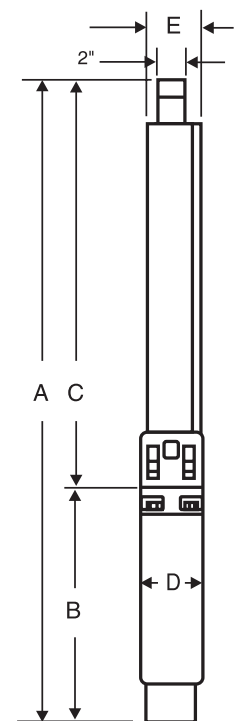
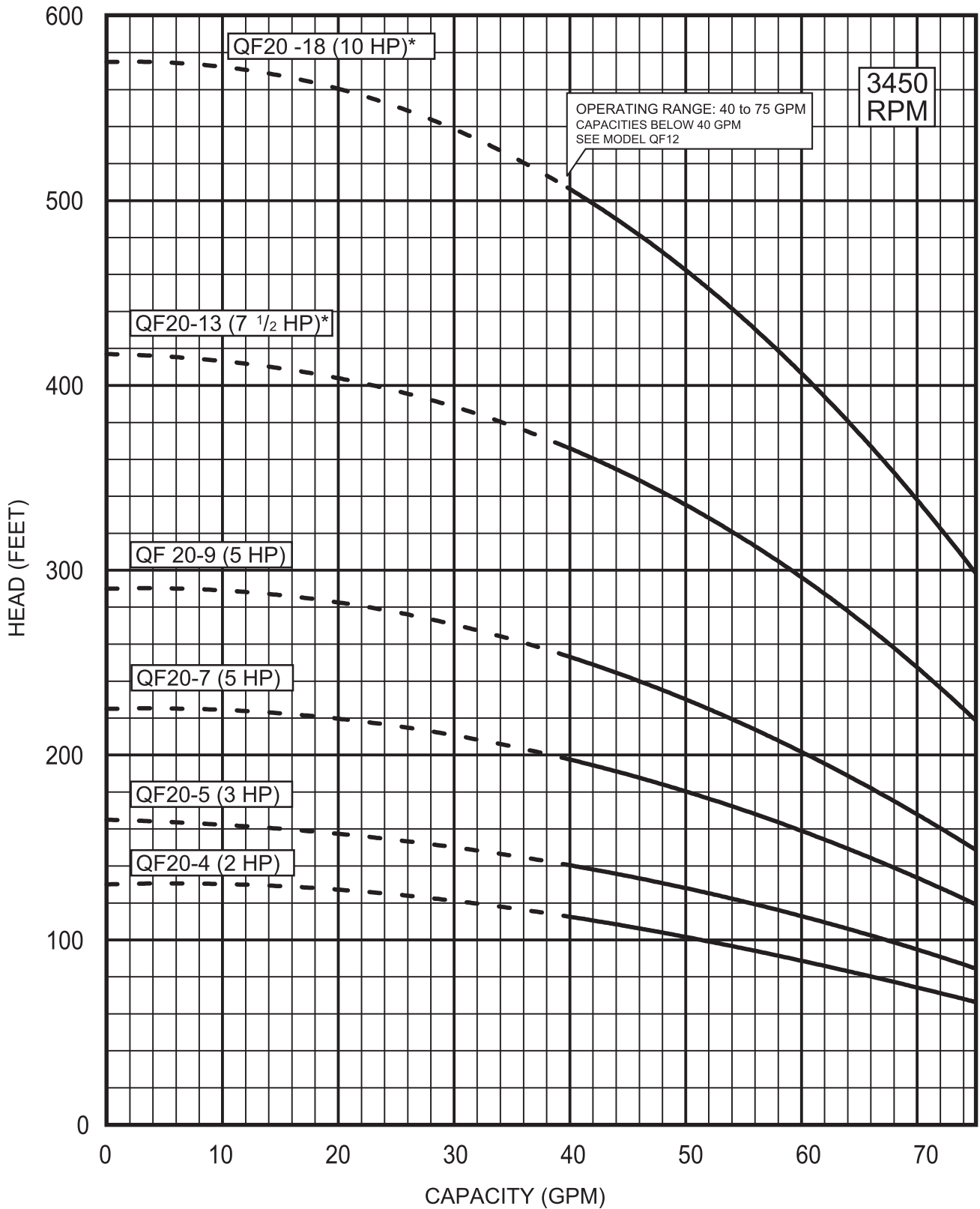


Fig. B

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.

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
QF 20-4	A	2	4"	2" NPT	32.6	15.1	17.5	3.8	3.9	39
QF 20-5	A	3	4"	2" NPT	40.7	20.6	20.1	3.8	3.9	64
QF 20-7	A	5	4"	2" NPT	48.8	23.6	25.2	3.8	3.9	75
QF 20-9	A	5	4"	2" NPT	53.9	23.6	30.3	3.8	3.9	80
QF 20-13*	A	7 1/2	4"	2" NPT	70.1	29.6	40.5	3.8	3.9	105
QF 20-18*	A	10	4"	2" NPT	97.3	43.9	53.4	3.8	3.9	160

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

Weights include pump end with motor in lbs.

* Also available with 6" motor.

MATERIALS OF CONSTRUCTION

COMPONENT	CYLINDRICAL SHAFT (4-18 Stgs.)
Check Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Priming Inducer	304 Stainless Steel
Coupling	304 Stainless Steel
Check Valve Seat	NBR
Top Bearing	NBR
Impeller Seal Ring	NBR
Intermediate Bearings	NBR
Shaft Washer	LCP
Split Cone	304 Stainless Steel
Split Cone Nut	304 Stainless Steel

NOTES: Specifications are subject to change without notice.

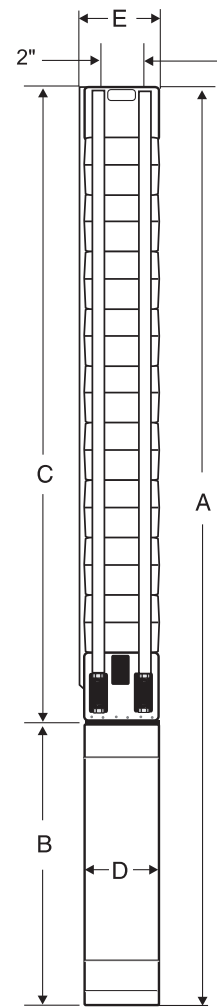
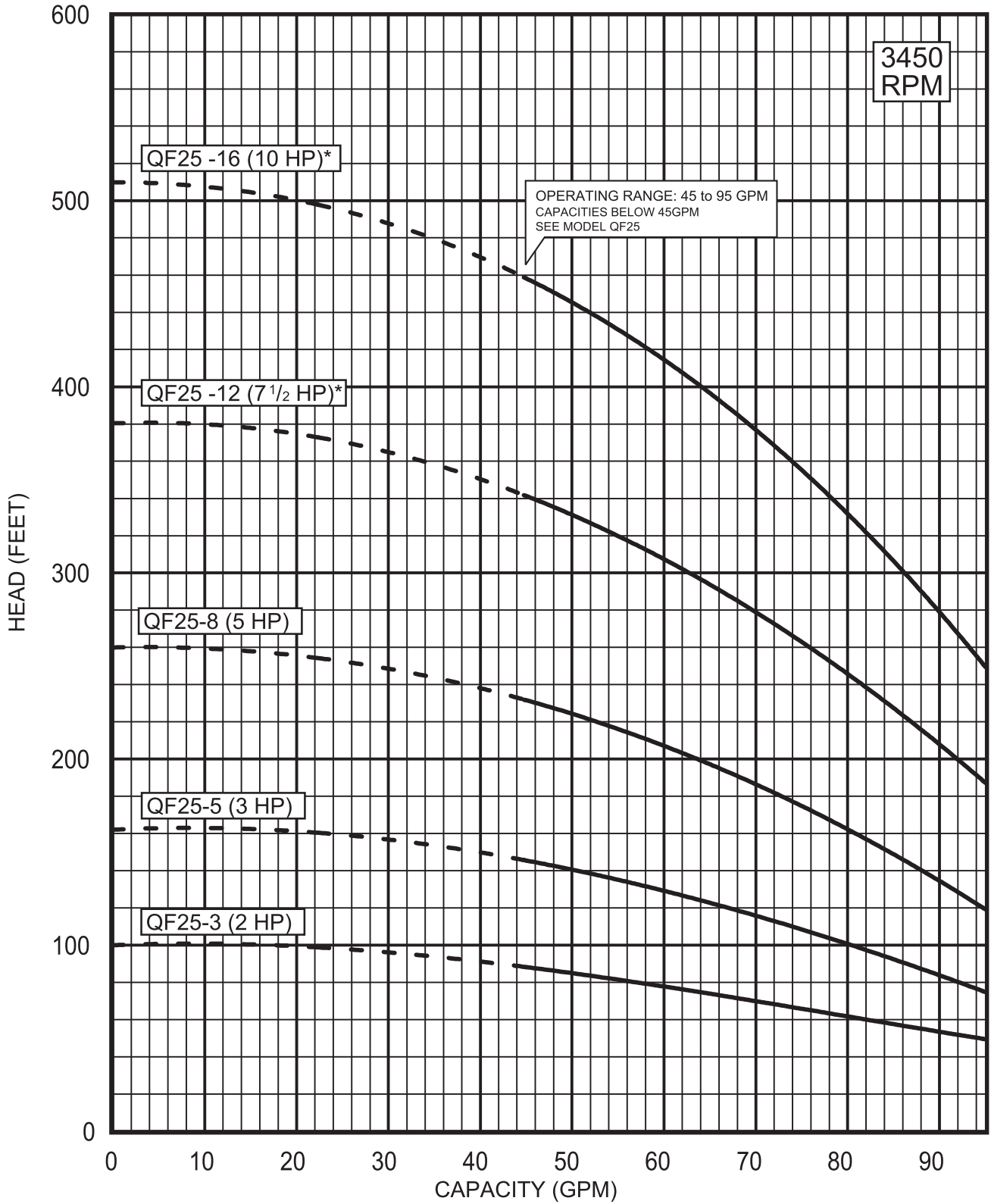


Fig. A

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.

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
QF25-3	A	2	4"	2" NPT	30.0	15.1	14.9	3.8	3.9	38
QF25-5	A	3	4"	2" NPT	40.7	20.6	20.1	3.8	3.9	64
QF25-8	A	5	4"	2" NPT	51.4	23.6	27.8	3.8	3.9	78
QF25-12*	A	7 1/2	4"	2" NPT	67.5	29.6	37.9	3.8	3.9	100
QF25-16*	A	10	4"	2" NPT	92.1	43.9	48.2	3.8	3.9	155

NOTES: All models suitable for use in 4" wells, unless otherwise noted.
 Weights include pump end with motor in lbs.
 * Also available with 6" motor. Performance is the same only at Best Efficiency Point.
 Consult factory for actual performance.

MATERIALS OF CONSTRUCTION

COMPONENT	CYLINDRICAL SHAFT (3-16 Stgs.)
Check Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Priming Inducer	304 Stainless Steel
Coupling	304 Stainless Steel
Check Valve Seat	NBR
Top Bearing	NBR
Impeller Seal Ring	NBR
Intermediate Bearings	NBR
Shaft Washer	LCP
Split Cone	304 Stainless Steel
Split Cone Nut	304 Stainless Steel

NOTES: Specifications are subject to change without notice.

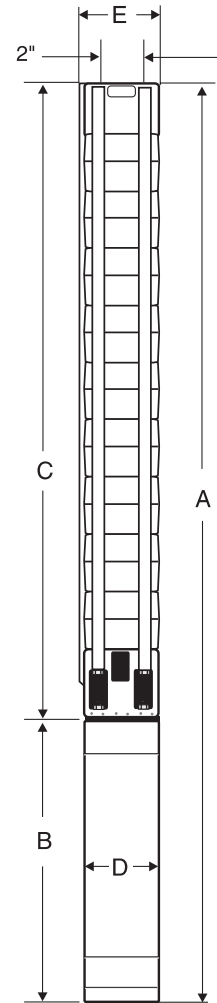


Fig. A

Performance Curve And Technical Data

6- Inch,8- Inch & 10-Inch Submersibles



Materials of Construction

DIMENSIONS AND WEIGHTS

MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES					APPROX. SHIP WT.
					A	B	C	D	E	
QF30 -1	A	1 1/2	4"	3" NPT	25.9	13.6	12.3	3.75	5.2	37
QF30 -2	A	3	4"	3" NPT	35.3	20.6	14.7	3.75	5.2	61
QF30 -3	A	5	4"	3" NPT	40.7	23.6	17.1	3.75	5.2	75
QF30 -4	A	5	4"	3" NPT	43.1	23.6	19.5	3.75	5.2	77
QF30 -5	A	7 1/2	4"	3" NPT	51.5	29.6	21.9	3.75	5.2	95
QF30 -6	A	7 1/2	4"	3" NPT	53.9	29.6	24.3	3.75	5.2	97
QF30 -7	A	10	4"	3" NPT	70.5	43.9	26.6	3.75	5.2	151
QF30 -8	A	10	4"	3" NPT	72.9	43.9	29.0	3.75	5.2	154
QF30 -9	A	10	4"	3" NPT	75.3	43.9	31.4	3.75	5.2	156
QF30 -5	A	7 1/2	6"	3" NPT	46.7	24.2	22.5	5.38	5.6	135
QF30 -6	A	7 1/2	6"	3" NPT	49.1	24.2	24.9	5.38	5.6	137
QF30 -7	A	10	6"	3" NPT	52.7	25.4	27.3	5.38	5.6	148
QF30 -8	A	10	6"	3" NPT	55.0	25.4	29.6	5.38	5.6	151
QF30 -9	A	10	6"	3" NPT	57.4	25.4	32.0	5.38	5.6	153
QF30 -10	A	15	6"	3" NPT	62.4	28.0	34.4	5.38	5.6	170
QF30 -11	A	15	6"	3" NPT	64.8	28.0	36.8	5.38	5.6	174
QF30 -12	A	15	6"	3" NPT	67.2	28.0	39.2	5.38	5.6	176
QF30 -13	A	15	6"	3" NPT	69.6	28.0	41.6	5.38	5.6	178
QF30 -14	A	20	6"	3" NPT	74.5	30.6	43.9	5.38	5.6	193
QF30 -15	A	20	6"	3" NPT	76.9	30.6	46.3	5.38	5.6	198
QF30 -16	A	20	6"	3" NPT	79.3	30.6	48.7	5.38	5.6	200
QF30 -17	A	20	6"	3" NPT	81.7	30.6	51.1	5.38	5.6	202
QF30 -18	A	20	6"	3" NPT	84.1	30.6	53.5	5.38	5.6	204
QF30 -19	A	25	6"	3" NPT	88.9	33.1	55.8	5.38	5.6	240
QF30 -20	A	25	6"	3" NPT	91.9	33.1	58.2	5.38	5.6	244
QF30 -21	A	25	6"	3" NPT	94.7	33.1	60.6	5.38	5.6	246
QF30 -22	A	25	6"	3" NPT	96.7	33.1	63.0	5.38	5.6	249
QF30 -23	A	30	6"	3" NPT	101.1	35.7	65.4	5.38	5.6	264
QF30 -24	A	30	6"	3" NPT	103.5	35.7	67.8	5.38	5.6	266
QF30 -25	A	30	6"	3" NPT	105.8	35.7	70.1	5.38	5.6	271
QF30 -26	A	30	6"	3" NPT	108.8	35.7	73.1	5.38	5.6	273
QF30 -27	A	30	6"	3" NPT	116.3	40.8	75.5	5.38	5.6	278
QF30 -28	A	40	6"	3" NPT	118.7	40.8	77.9	5.38	5.6	281
QF30 -29	A	40	6"	3" NPT	121.1	40.8	80.7	5.38	5.6	283
QF30 -30	A	40	6"	3" NPT	123.4	40.8	82.6	5.38	5.6	287
QF30 -33*	B	40	6"	3" NPT	139.7	40.8	98.9	5.38	6.9	343
QF30 -36*	B	40	6"	3" NPT	146.9	40.8	106.1	5.38	6.9	354
QF30 -39*	B	50	6"	3" NPT	171.0	57.8	113.2	5.38	6.9	448
QF30 -33*	B	40	8"	3" NPT	134.7	35.8	98.9	7.5	6.9	377
QF30 -36*	B	40	8"	3" NPT	141.9	35.8	106.1	7.5	6.9	390
QF30 -39*	B	50	8"	3" NPT	152.0	38.8	113.2	7.5	6.9	498

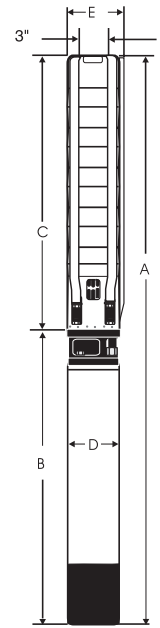


Fig. A

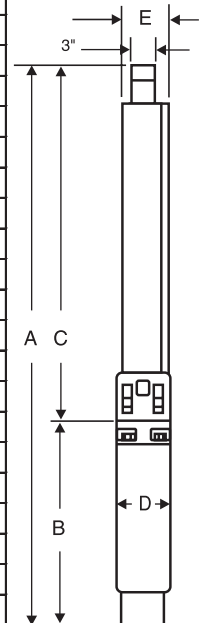


Fig. B

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

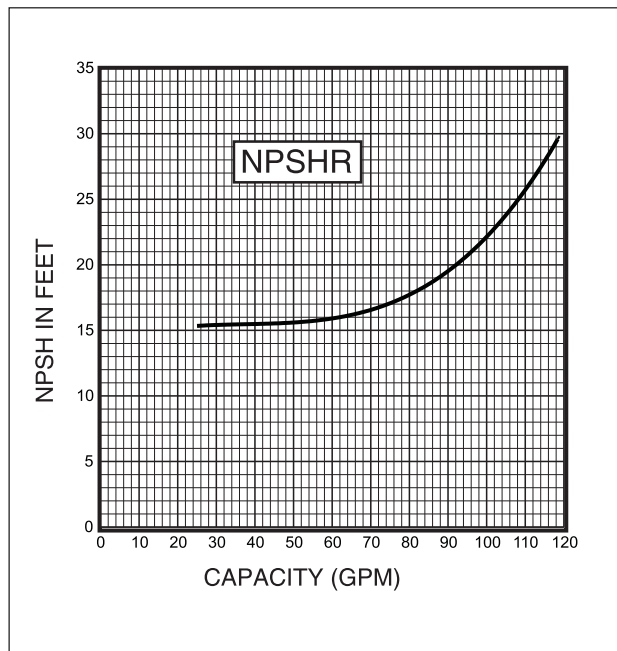
Weights include pump end with motor in lbs.

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

MATERIALS OF CONSTRUCTION

COMPONENT	CYLINDRICAL SHAFT (1- 39 Stgs.)
Check Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Seal Ring Support	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Priming Inducer	304 Stainless Steel
Coupling	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Intermediate Bearings	NBR
Impeller Seal Ring	NBR/PPS
Check Valve Seat	NBR/304 Stainless Steel
Upthrust Disc	Carbon/Graphite
Upthrust Stop Washer	304 Stainless Steel
8" Motor Adaptor Plate	304 Stainless Steel
Sleeve *	304 Stainless Steel
Sleeve Flange *	Zinc less bronze

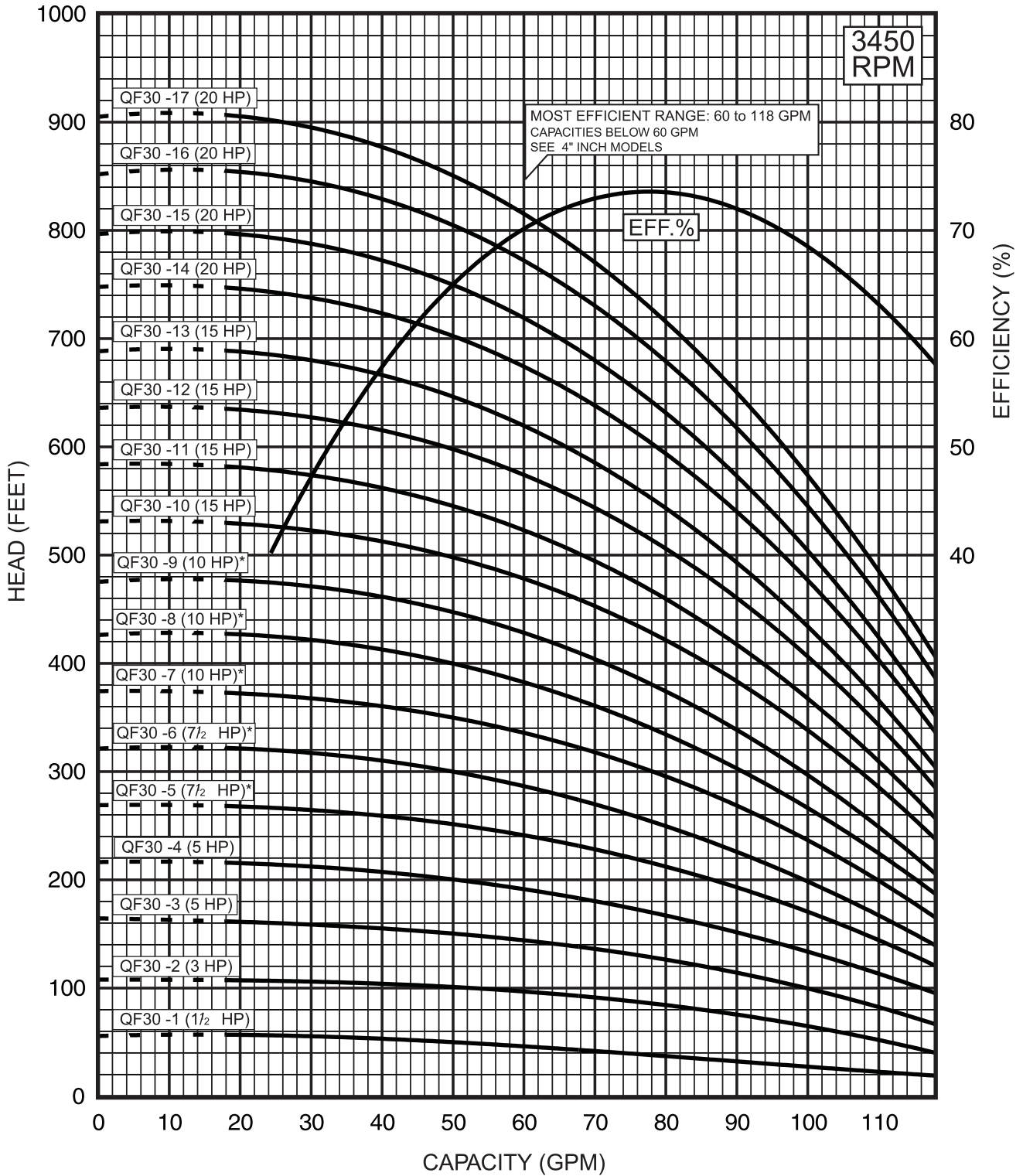
NOTES: Specifications are subject to change without notice.
 * Required for 33-39 stages.



FLOW RANGE: 18 -118 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"



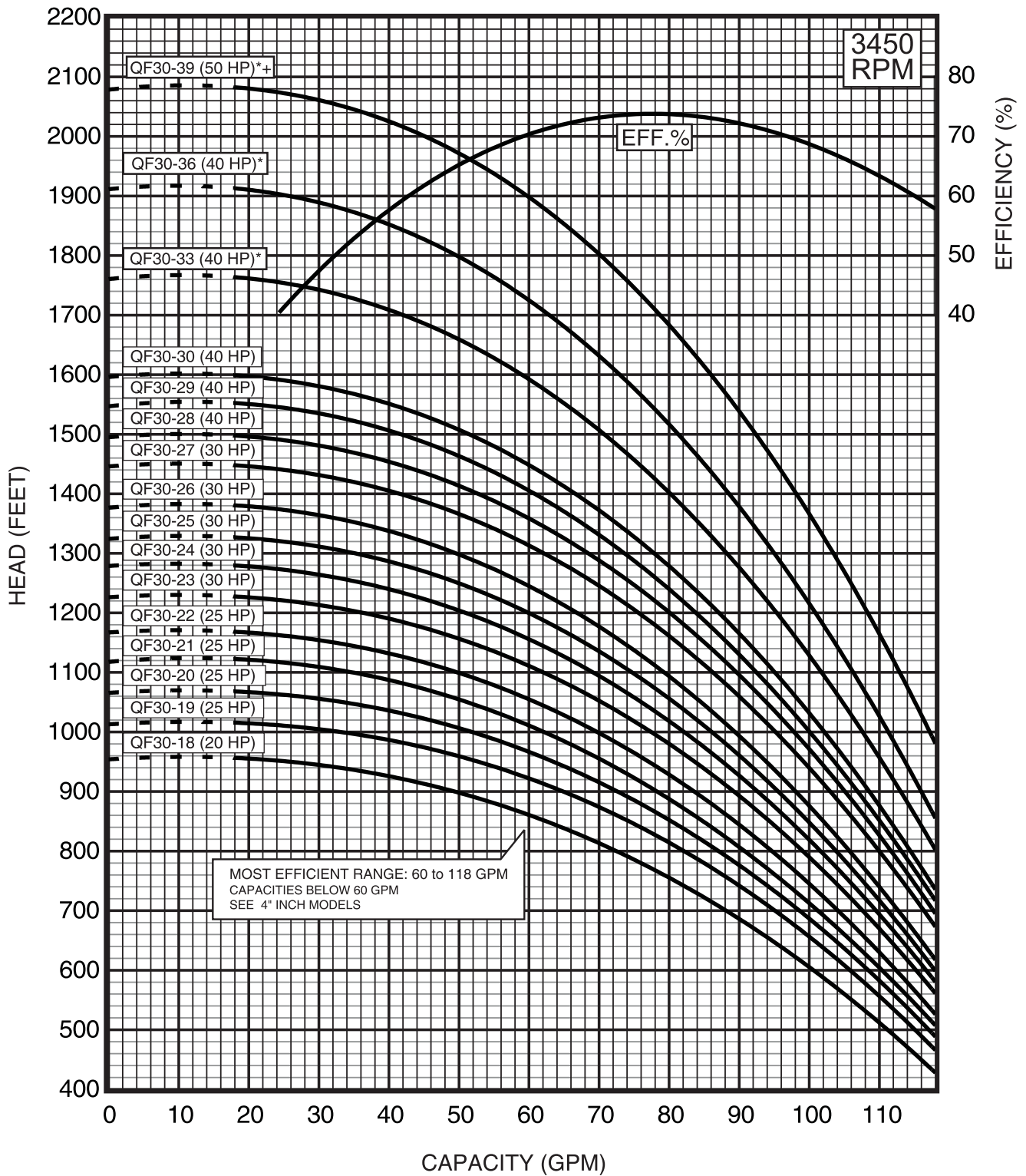
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 4" MOTOR STANDARD, 1.5-5 HP/3450 RPM
 6" MOTOR STANDARD, 7.5-50 HP/3450 RPM.
 *Alternate motor sizes available.

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

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.

Dimensions and weight

Model No	Fig	HP	Motor Size	Disch. Size	A	B	C	D	E	Approx ship wt.
QF 50-1	A	2	4"	3" NPT	27.3	13.6	13.7	3.75	5.2	55
QF 50-2	A	5	4"	3" NPT	41.1	23.6	17.5	3.75	5.2	75
QF 50-3	A	7 1/2	4"	3" NPT	50.9	29.6	21.3	3.75	5.2	92
QF 50-4	A	7 1/2	4"	3" NPT	54.7	29.6	25.1	3.75	5.2	97
QF 50-5	A	10	4"	3" NPT	72.8	43.9	28.9	3.75	5.2	151
QF 50-4	A	7 1/2	6"	3" NPT	49.9	24.2	25.7	5.38	5.6	135
QF 50-5	A	10	6"	3" NPT	54.9	25.4	29.5	5.38	5.6	148
QF 50-6	A	15	6"	3" NPT	61.3	28	33.3	5.38	5.6	167
QF 50-7	A	15	6"	3" NPT	65	28	37	5.38	5.6	169
QF 50-8	A	15	6"	3" NPT	68.8	28	40.8	5.38	5.6	174
QF 50-9	A	20	6"	3" NPT	75.2	30.6	44.6	5.38	5.6	191
QF 50-10	A	20	6"	3" NPT	79	30.6	48.4	5.38	5.6	193
QF 50-11	A	20	6"	3" NPT	82.8	30.6	52.2	5.38	5.6	198
QF 50-12	A	25	6"	3" NPT	89	33.1	55.9	5.38	5.6	235
QF 50-13	A	25	6"	3" NPT	92.8	33.1	59.7	5.38	5.6	238
QF 50-14	A	25	6"	3" NPT	96.6	33.1	63.5	5.38	5.6	242
QF 50-15	A	30	6"	3" NPT	103	35.7	67.3	5.38	5.6	260
QF 50-16	A	30	6"	3" NPT	106.8	35.7	71.1	5.38	5.6	262
QF 50-17	A	30	6"	3" NPT	110.5	35.7	74.8	5.38	5.6	266
QF 50-18	A	40	6"	3" NPT	119.4	40.8	78.6	5.38	5.6	306
QF 50-19	A	40	6"	3" NPT	123.2	40.8	82.4	5.38	5.6	308
QF 50-20	A	40	6"	3" NPT	127	40.8	86.2	5.38	5.6	323
QF 50-21	A	40	6"	3" NPT	130.8	40.8	90	5.38	5.7	334
QF 50-22	A	40	6"	3" NPT	134.5	40.8	93.7	5.38	5.7	338
QF 50-23	A	40	6"	3" NPT	138.3	40.8	97.5	5.38	5.7	340
QF 50-24	A	50	6"	3" NPT	162.2	57.8	104.4	5.38	6.1	442
QF 50-25	A	50	6"	3" NPT	166	57.8	108.2	5.38	6.1	444
QF 50-26	A	50	6"	3" NPT	169.8	57.8	112	5.38	6.1	446
QF 50-27	A	50	6"	3" NPT	173.6	57.8	115.8	5.38	6.1	448
QF 50-28	A	50	6"	3" NPT	183.4	63.8	119.6	5.38	7.1	450
QF 50-29	A	60	6"	3" NPT	193.7	63.8	129.9	5.38	7.1	448
QF 50-31	A	60	6"	3" NPT	201.3	63.8	137.5	5.38	7.1	452
QF 50-33	A	60	6"	3" NPT	208.8	63.8	145	5.38	7.1	456
QF 50-24	A	50	8"	3" NPT	143.2	38.8	104.4	7.5	7.5	492
QF 50-25	A	50	8"	3" NPT	147	38.8	108.2	7.5	7.5	495
QF 50-26	A	50	8"	3" NPT	150.8	38.8	112	7.5	7.5	497
QF 50-27	A	50	8"	3" NPT	154.6	38.8	115.8	7.5	7.5	499
QF 50-28	A	50	8"	3" NPT	158.4	38.8	119.6	7.5	7.5	501
QF 50-29 *	B	60	8"	3" NPT	169.7	41.8	127.9	7.5	7.5	539
QF 50-31 *	B	60	8"	3" NPT	177.3	41.8	135.5	7.5	7.5	543
QF 50-33 *	B	60	8"	3" NPT	184.8	41.8	149	7.5	7.5	547
QF 50-36 *	B	75	8"	3" NPT	201.8	47.4	154.4	7.5	7.5	592
QF 50-39 *	B	75	8"	3" NPT	213.1	47.4	165.7	7.5	7.5	598

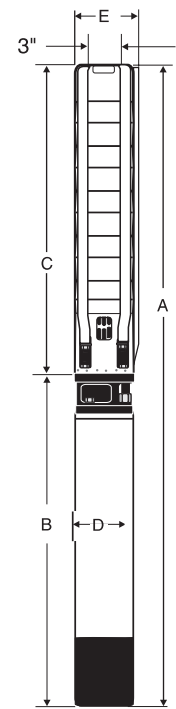


Fig. A

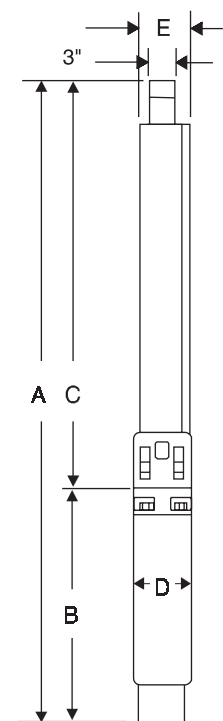


Fig. B

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

Weight include pump end with motor in lbs.

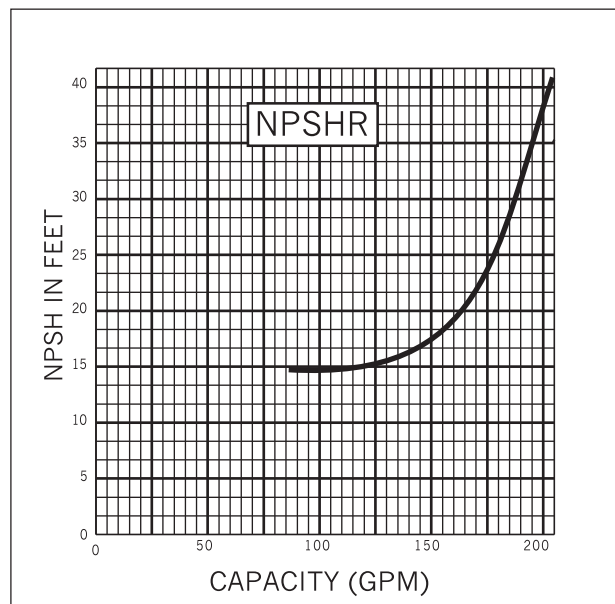
* Built into sleeve 3" NPT discharge, 8" min. well dia.

MATERIALS OF CONSTRUCTION

COMPONENT	CYLINDRICAL SHAFT (1- 39 Stgs.)
Check Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Seal Ring Support	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Priming Inducer	304 Stainless Steel
Coupling	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Intermediate Bearings	NBR
Impeller Seal Ring	NBR/PPS
Check Valve Seat	NBR/304 Stainless Steel
Upthrust Disc	Carbon/Graphite
Upthrust Stop Washer	304 Stainless Steel
8" Motor Adaptor Plate	304 Stainless Steel
Sleeve *	304 Stainless Steel
Sleeve Flange *	Zinc less broze*

NOTES: Specifications are subject to change without notice.

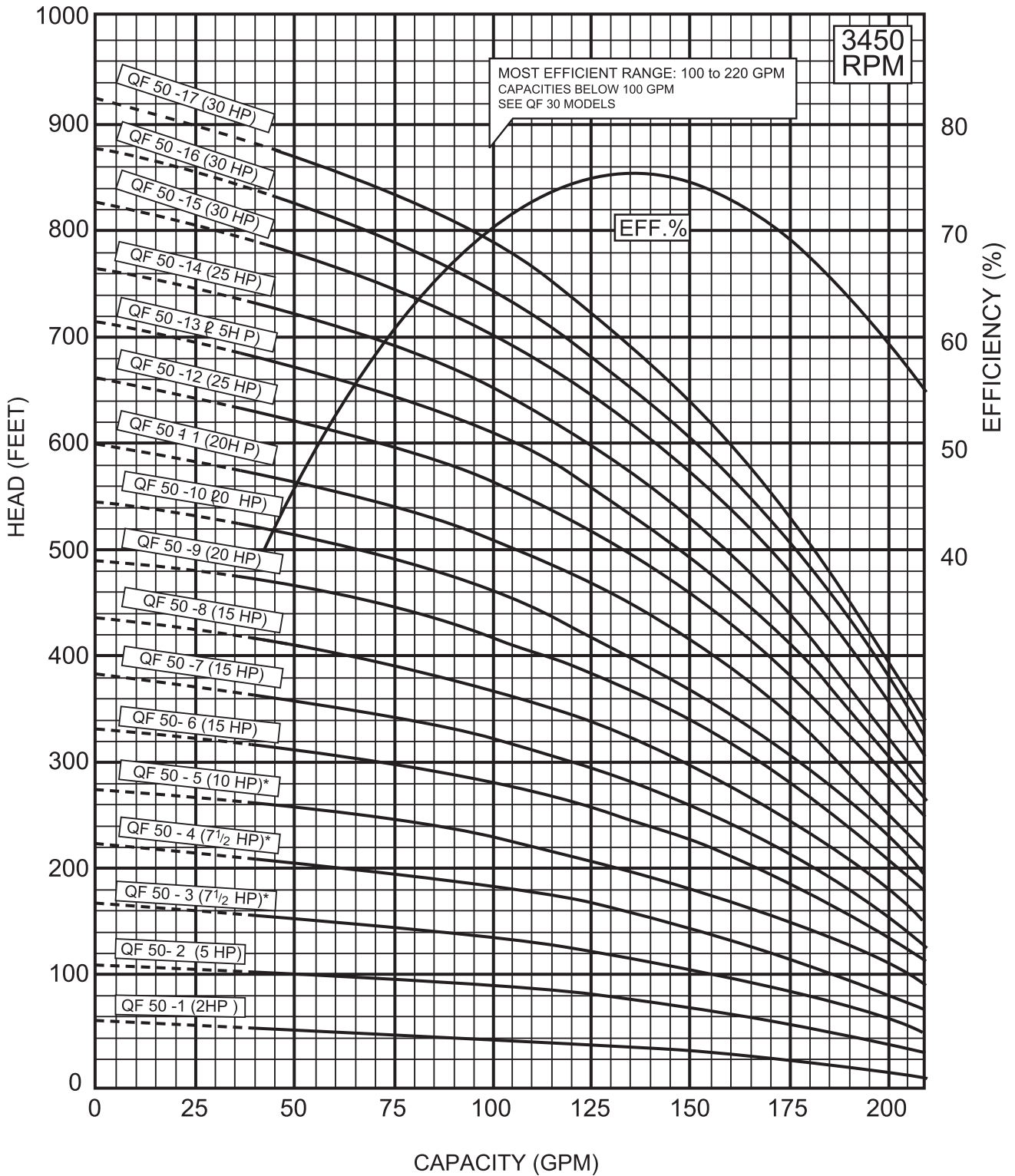
* Required for 29-39 stages.



FLOW RANGE: 30- 220 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

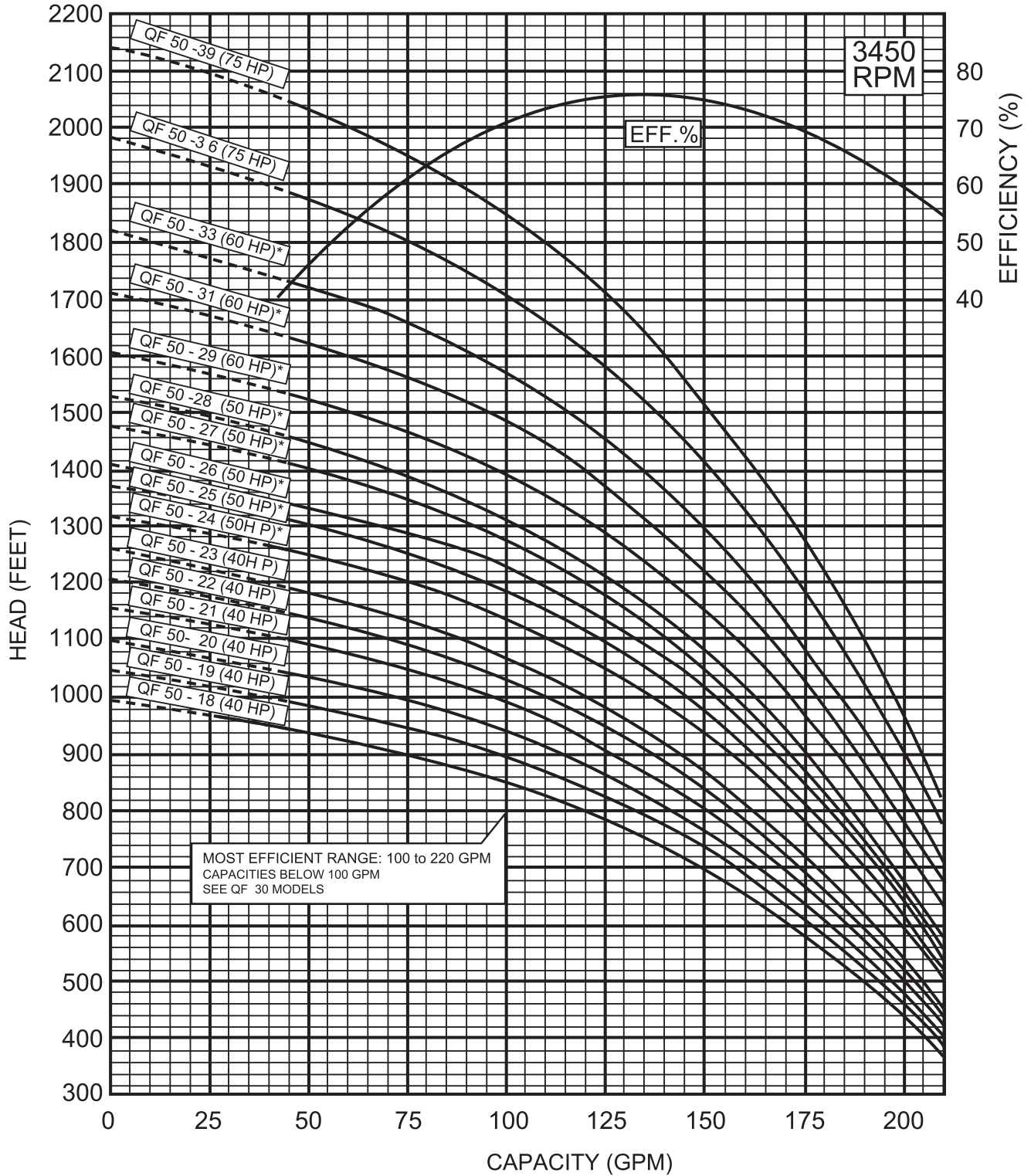
4" MOTOR STANDARD, 2-10 HP/3450 RPM
6" MOTOR STANDARD, 7.5-60 HP/3450 RPM
8" MOTOR STANDARD, 75 HP/3525 RPM
* Alternate motor sizes available

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

FLOW RANGE: 30- 220 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"

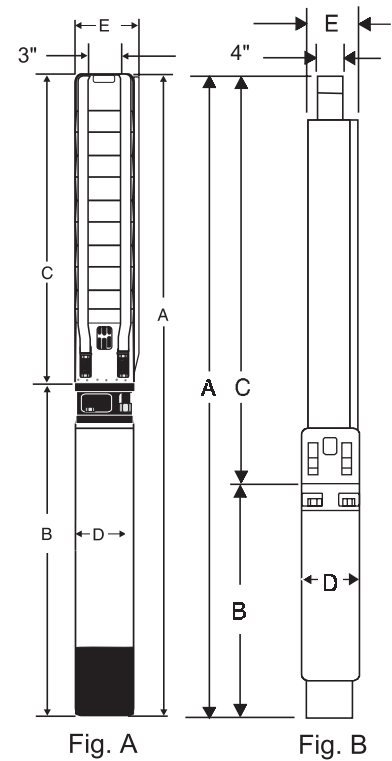


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 7.5-60 HP/3450 RPM.
 8" MOTOR STANDARD, 75 HP/3525 RPM
 * Alternate motor sizes available

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

DIMENSIONS AND WEIGHTS

Model No.	FIG	HP	MOTOR SIZE	DISCH. SIZE	DIMENSION IN INCHES					APPROX SHIP WT.
					A	B	C	D	E	
QF75-1B-	A	2	4"	3" NPT	29.7	15.1	14.6	3.8	5.7	44
QF75-1A	A	3	4"	3" NPT	38.2	23.6	14.6	3.8	5.7	55
QF75-1	A	5	4"	3" NPT	44.2	29.6	14.6	3.8	5.7	65
QF75-2AB	A	5	4"	3" NPT	48.5	29.6	18.9	3.8	5.7	71
QF75-2	A	7.5	4"	3" NPT	48.5	29.6	18.9	3.8	5.7	88
QF75-2	A	7.5	6"	3" NPT	43	24.2	18.9	5.4	5.7	124
QF75-3BB	A	7.5	4"	3" NPT	53.5	29.6	23.9	3.8	5.7	96
QF75-3BB	A	7.5	6"	3" NPT	48.1	24.2	23.9	5.4	5.7	96
QF75-3	A	10	4"	3" NPT	67.8	43.9	23.9	3.8	5.7	146
QF75-3	A	10	6"	3" NPT	49.3	25.4	23.9	5.4	5.7	140
QF75-4BC	A	10	4"	3" NPT	72.3	43.9	28.4	3.8	5.7	147
QF75-4BC	A	10	6"	3" NPT	53.8	25.4	28.4	5.4	5.7	147
QF75-4	A	15	6"	3" NPT	56.4	28	28.4	5.4	5.7	161
QF75-5B	A	15	6"	3" NPT	60.8	28	32.8	5.4	5.7	165
QF75-5	A	20	6"	3" NPT	63.4	30.6	32.8	5.4	5.7	167
QF75-6	A	20	6"	3" NPT	67.8	30.6	37.3	5.4	5.7	186
QF75-7C	A	20	6"	3" NPT	67.8	30.6	37.3	5.4	5.7	202
QF75-7	A	25	6"	3" NPT	74.9	33.1	41.7	5.4	5.7	202
QF75-8B	A	25	6"	3" NPT	79.3	33.1	46.2	5.4	5.7	209
QF75-8	A	25	6"	3" NPT	79.3	33.1	46.2	5.4	5.7	209
QF75-9BB	A	25	6"	3" NPT	83.8	33.1	50.6	5.4	5.7	228
QF75-9	A	30	6"	3" NPT	86.3	35.7	50.6	5.4	5.7	228
QF75-10*	A	40	6"	3" NPT	95.9	40.81	55.1	5.4	5.7	234
QF75-11*	A	40	6"	3" NPT	100.3	40.81	59.5	5.4	5.7	273
QF75-12*	A	40	6"	3" NPT	104.4	40.81	64	5.4	5.7	279
QF75-13*	A	40	6"	3" NPT	109.2	40.81	68.4	5.4	5.7	284
QF75-14*	A	50	6"	3" NPT	130.7	57.83	72.9	5.4	5.7	388
QF75-15*	A	50	6"	3" NPT	135.2	57.83	77.3	5.4	5.7	393
QF75-16*	A	50	6"	3" NPT	139.2	57.83	81.8	5.4	5.7	399
QF75-17*	A	60	6"	3" NPT	151.2	63.83	87.4	5.4	5.7	438
QF75-18*	A	60	6"	3" NPT	155.6	63.83	91.8	5.4	5.7	445
QF75-19*	A	60	6"	3" NPT	160.1	63.83	96.3	5.4	5.7	449
QF75-17	A	60	8"	3" NPT	129.2	41.79	87.4	7.5	7.6	544
QF75-18	A	60	8"	3" NPT	133.6	41.79	91.8	7.5	7.6	551
QF75-19	A	60	8"	3" NPT	138	41.79	96.3	7.5	7.6	555
QF75-20**	B	75	8"	4" M-NPT	154.7	47.41	107.3	7.5	7.6	634
QF75-20**	B	75	8"	4" M-NPT	163.6	47.41	116.2	7.5	7.6	681



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.

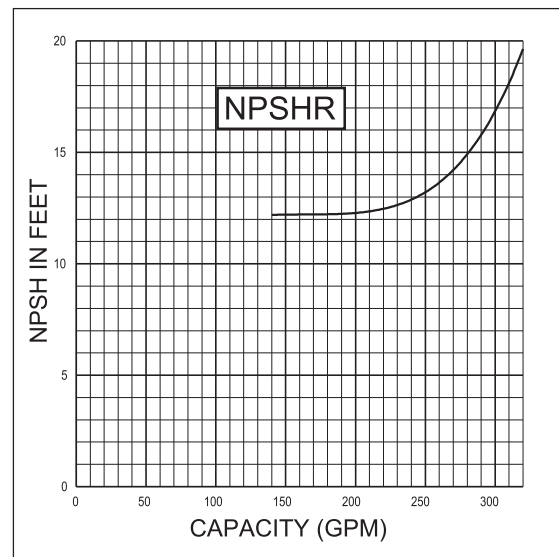
Weights include pump end with motor in lbs.

MATERIALS OF CONSTRUCTION

COMPONENT	CYLINDRICAL SHAFT (2-18 Stgs.)
Check Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Gurad	304 Stainless Steel
Coupling	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Intermediate Bearings	NBR
Impeller Seal Ring	NBR /304 Stainless Steel
Check Valve Seat	NBR /304 Stainless Steel
Top/Lower Bearing	NBR /304 Stainless Steel
8" Motor Adaptor Plate	304 Stainless Steel
Upthrust stop ring	304 S.S./Tungsten Carbide
Sleeve *	304 Stainless Steel
Sleeve Flange*	Zinc less braze*

NOTES: Specifications subject to change without notice.

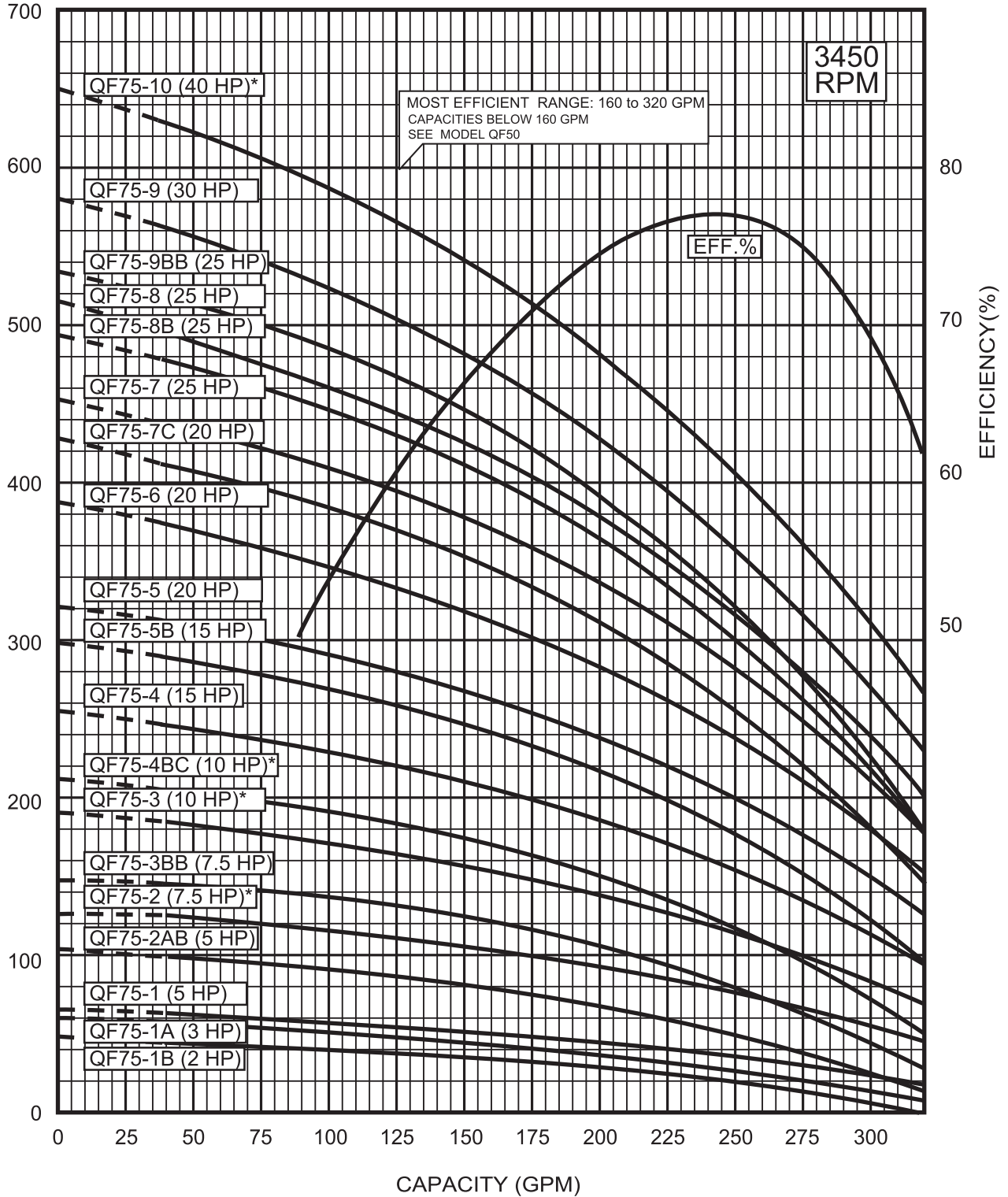
* Required for 20-22 stage only.



FLOW RANGE: 160 -320 GPM

OUTLET SIZE: 3" NPT

NOMINAL DIA. 6"



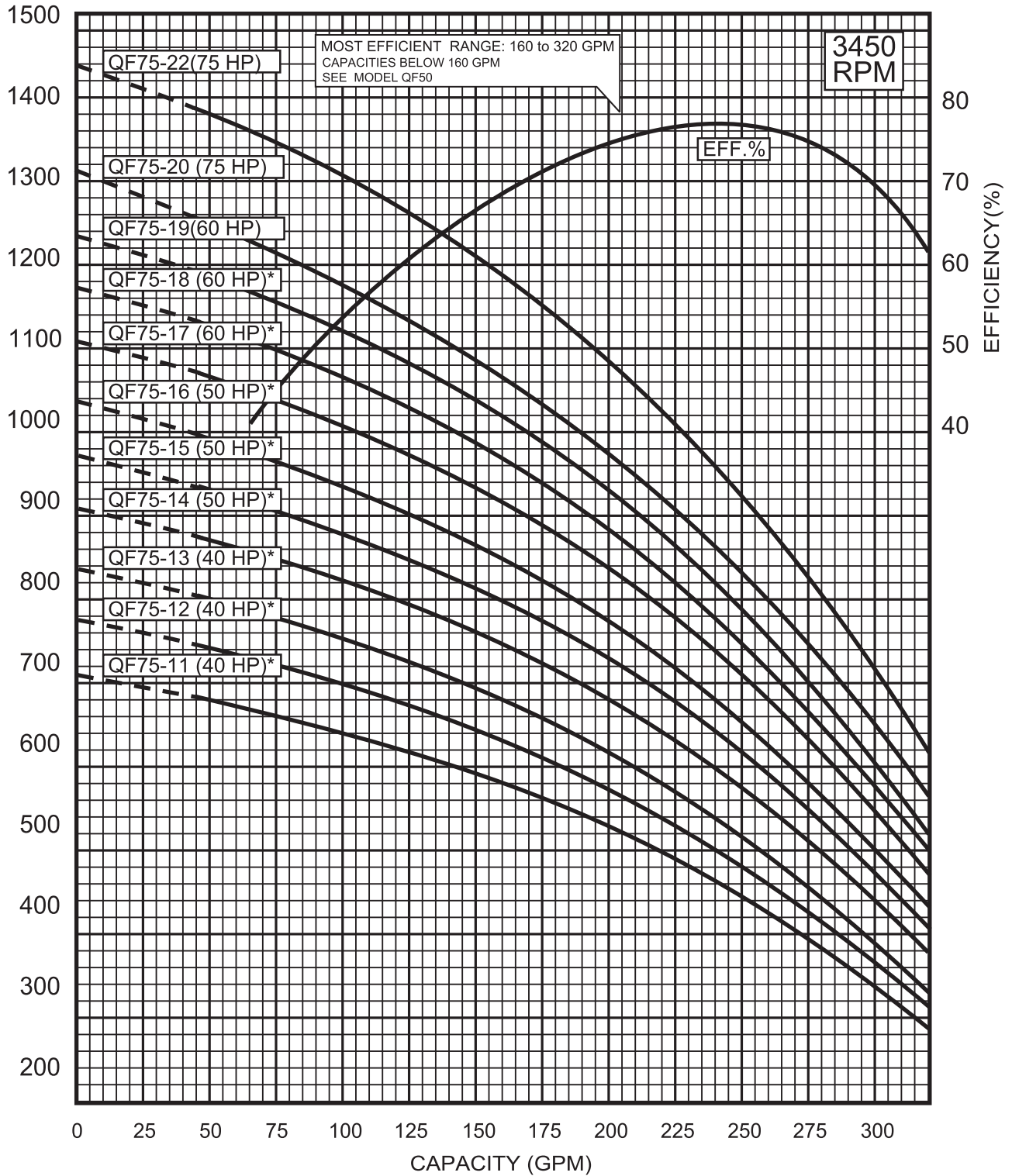
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 4" MOTOR STANDARD, 7.5 HP/3450 RPM
 6" MOTOR STANDARD, 7.5-40 HP/3450 RPM.
 8" MOTOR STANDARD, 50-75 HP/3525 RPM.
 * Alternate motor sizes available.

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

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.

DIMENSIONS AND WEIGHTS

Model No.	FIG	HP	MOTOR SIZE	DISCH. SIZE	DIMENSION IN INCHES					APPROX SHIP WT.
					A	B	C	D	E	
QF100-1B	A	3	4"	3" NPT	38.1	23.6	14.5	3.8	5.7	65
QF100-1	A	5	4"	3" NPT	44.1	29.6	14.5	3.8	5.7	82
QF100-2BB	A	5	4"	3" NPT	49.1	29.6	19.5	3.8	5.7	87
QF100-2	A	7 1/2	4"	3" NPT	43.5	24	19.5	3.8	5.7	113
QF100-2*	A	7 1/2	6"	3" NPT	49.1	29.6	19.5	5.4	5.7	104
QF100-3A	A	10	4"	3" NPT	67.8	43.9	23.9	3.8	5.7	154
QF100-3A	A	10	6"	3" NPT	49.3	25.4	23.9	5.4	5.7	130
QF100-3	A	15	6"	3" NPT	51.9	28	23.9	5.4	5.7	146
QF100-4AA	A	15	6"	3" NPT	56.4	28	28.4	5.4	5.7	161
QF100-4	A	15	6"	3" NPT	56.4	28	28.4	5.4	5.7	161
QF100-5AA	A	20	6"	3" NPT	63.4	30.6	32.8	5.4	5.7	172
QF100-5	A	20	6"	3" NPT	63.4	30.6	32.8	5.4	5.7	172
QF100-6B	A	20	6"	3" NPT	67.9	30.6	37.3	5.4	5.7	177
QF100-6	A	25	6"	3" NPT	70.4	33.1	37.3	5.4	5.7	192
QF100-7AA	A	25	6"	3" NPT	74.8	33.1	41.7	5.4	5.7	201
QF100-7	A	30	6"	4" NPT	74.8	33.1	41.7	5.4	5.7	220
QF100-8	A	30	6"	4" NPT	81.9	35.7	46.2	5.4	5.7	241
QF100-9B	A	30	6"	4" NPT	81.9	35.7	46.2	5.4	5.7	246
QF100-9*	A	40	6"	4" NPT	91.4	40.8	50.6	5.4	5.7	281
QF100-10*	A	40	6"	4" NPT	95.9	40.8	55.1	5.4	5.7	286
QF100-11*	A	50	6"	4" NPT	117.3	57.8	59.5	5.4	5.7	292
QF100-12*	A	50	6"	4" NPT	116.8	57.8	63.9	5.4	5.7	396
QF100-13*	A	50	6"	4" NPT	126.2	57.8	68.4	5.4	5.7	402
QF100-14*	A	60	6"	4" NPT	135.3	61.3	74	5.4	7.1	447
QF100-15*	A	60	6"	4" NPT	120.3	41.8	78.5	7.5	7.1	484
QF100-16*	A	75	8"	4" NPT	130.3	47.4	82.9	7.5	7.1	540
QF100-17*	A	75	8"	4" NPT	134.8	47.4	87.4	7.5	7.1	544
QF100-18	A	75	8"	4" NPT	139.2	47.4	91.8	7.5	7.1	626

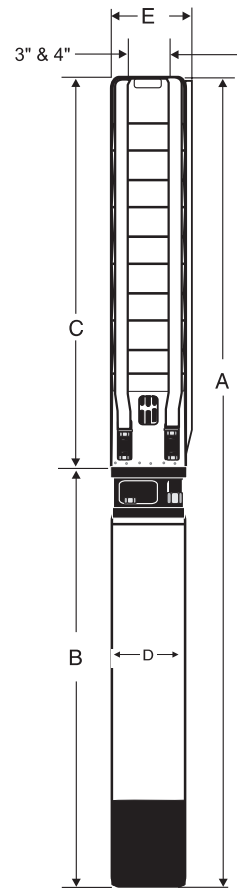


Fig. A

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

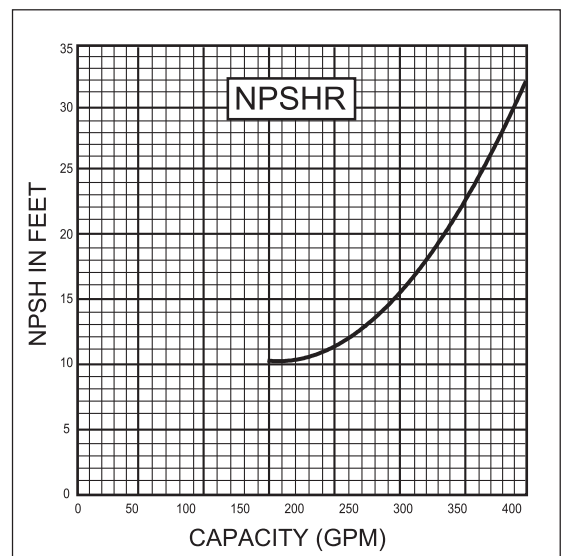
Weights include pump end with motor in lbs.

* Alternate motor sizes available.

MATERIALS OF CONSTRUCTION

Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Gurad	304 Stainless Steel
Coupling	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Intermediate Bearings	NBR
Impeller Seal Ring	NBR /304 Stainless Steel
Check Valve Seat	NBR /304 Stainless Steel
Top/Lower Bearing	NBR /304 Stainless Steel
8" Motor Adaptor Plate	304 Stainless Steel
Upthrust Washer	Carbon/Graphite HY 22
Upthrust stop ring	304 S. S./Tungsten Carbide

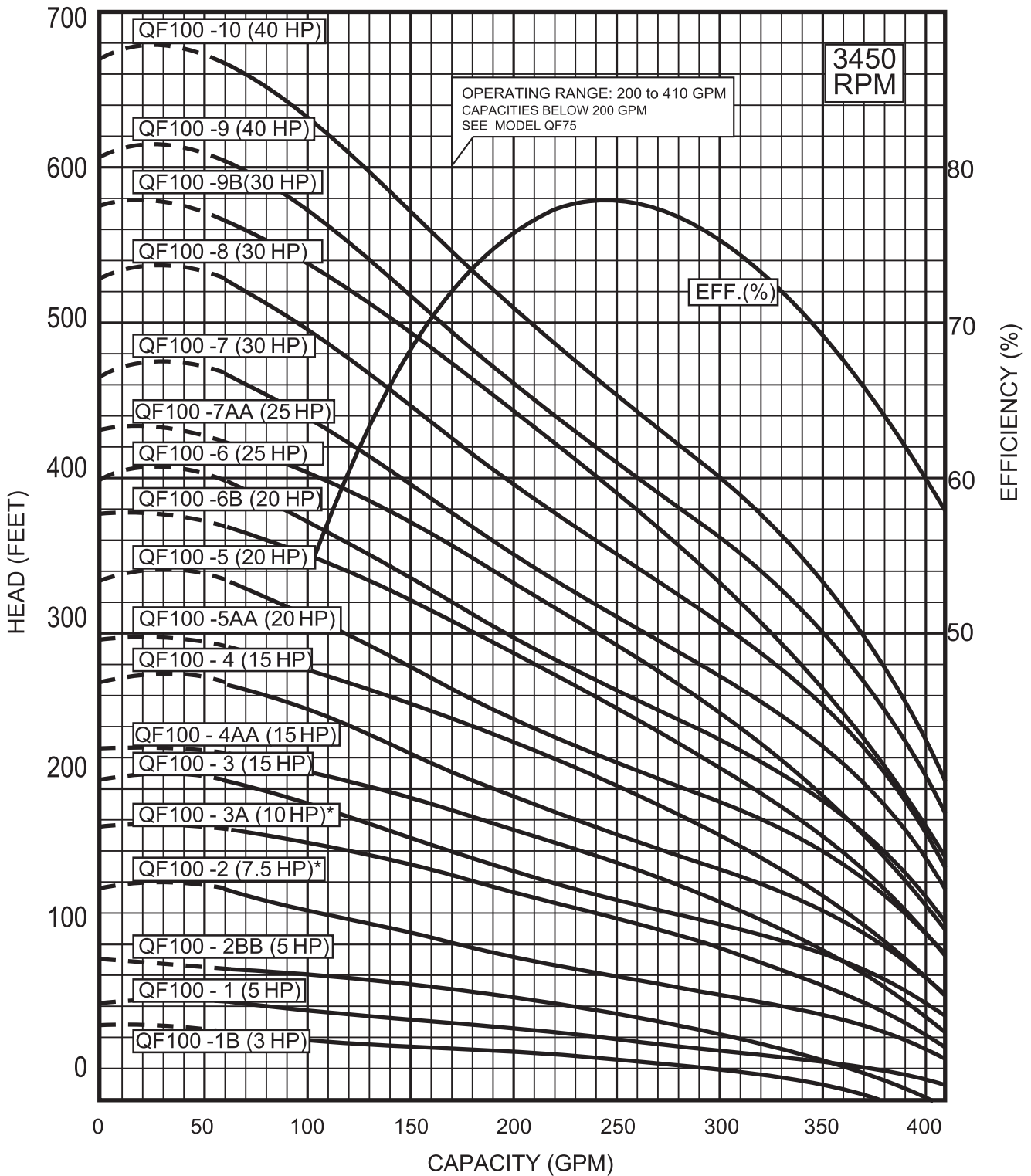
Notes: Specification are subject to change without notice



FLOW RANGE: 60 - 410 GPM

OUTLET SIZE: 3" & 4" NPT*

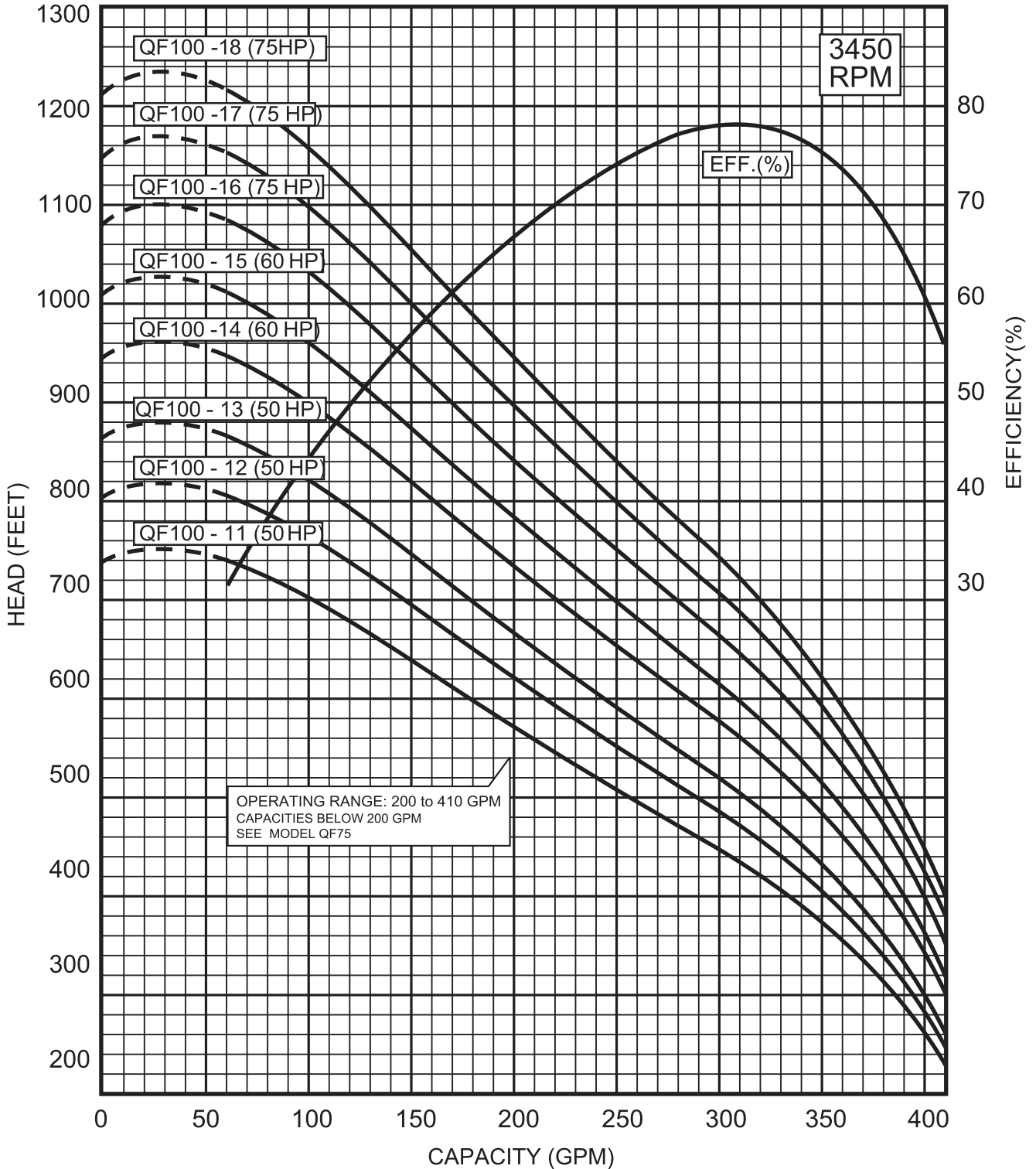
NOMINAL DIA. 6"



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.

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.

DIMENSIONS AND WEIGHTS

Model No.	FIG	HP	MOTOR SIZE	DIMENSION IN INCHES							APPROX SHIP WT.
				DISCH. SIZE	A	B	C	D	E	F	
QF125-1	A	7.5	6"	5" NPT	48.3	24	24.3	5.4	7	53.1	148
QF125-2BA	A	10	6"	5" NPT	54.8	25.4	29.4	5.4	7	59.6	178
QF125-2	A	15	6"	5" NPT	57.4	28	29.4	5.4	7	62.2	192
QF125-3A	A	20	6"	4" NPT	65	30.6	34.4	5.4	7	69.8	223
QF125-3	A	25	6"	5" NPT	67.5	33.1	34.4	5.4	7	72.3	210
QF125-4B	A	25	6"	5" NPT	72.6	33.1	39.5	5.4	7	77.4	210
QF125-4	A	30	6"	5" NPT	75.2	35.7	39.5	5.4	7	80	243
QF125-5BB	A	30	6"	5" NPT	80.2	35.7	44.5	5.4	7	85	252
QF125-5*	A	40	6"	5" NPT	85.3	40.8	44.5	5.4	7	90.1	276
QF125-6B	A	40	6"	5" NPT	90.4	40.8	49.6	5.4	7	95.2	285
QF125-6*	A	50	6"	5" NPT	107.4	57.8	49.6	5.4	7	112.2	285
QF125-7A	A	50	6"	5" NPT	113	57.8	55.2	5.4	7	117.8	450
QF125-7*	A	60	6"	5" NPT	119	63.8	55.2	5.4	7	123.8	450
QF125-8*	A	60	6"	5" NPT	124	63.8	60.2	5.4	7	128.8	459
QF125-9	A	75	8"	5" NPT	112.7	47.4	65.3	7.6	7.7	117.5	577
QF125-10	A	75	8"	5" NPT	117.7	47.4	70.3	7.6	7.7	122.5	586
QF125-11	A	100	8"	5" NPT	130.3	54.91	75.4	7.6	7.7	135.1	672
QF125-12	A	100	8"	5" NPT	135.3	54.91	80.4	7.6	7.7	140.1	701
QF125-13	A	100	8"	5" NPT	140.3	54.91	85.4	7.6	7.7	145.1	709

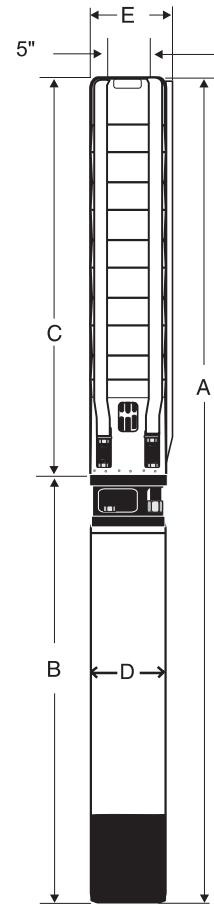


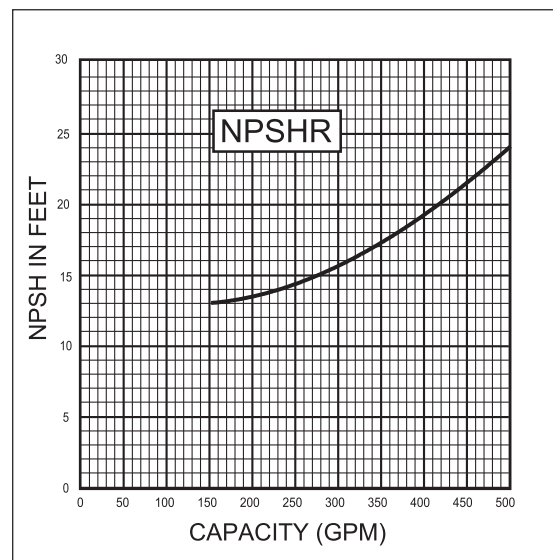
Fig. A

NOTES: All models suitable for use in 8" wells, unless otherwise noted.
Weights include pump end with motor in lbs.
*Alternate motor sizes available.

MATERIALS OF CONSTRUCTION

MATERIALS OF CONSTRUCTION	
COMPONENT	CYLINDRICAL SHAFT (1-13 Stgs.)
Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Inerconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Coupling	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Intermediate Bearings	NBR
Impeller Seal Ring	NBR /PPS
Lower Bearing	NBR/304Stainless Steel 304
Upthrust Washer	Carbon/Graphite HY 22
Upthrust stop Ring	304 S.S./Tungsten Carbide
O-Ring	NBR
Valve Seat	304 Stainless Steel
Lower Valve Seat Retainer	304 Stainless Steel
Upper Valve Seat Retainer	304 Stainless Steel
Valve Guide	304 Stainless Steel
Valve Cup Spring	304 Stainless Steel

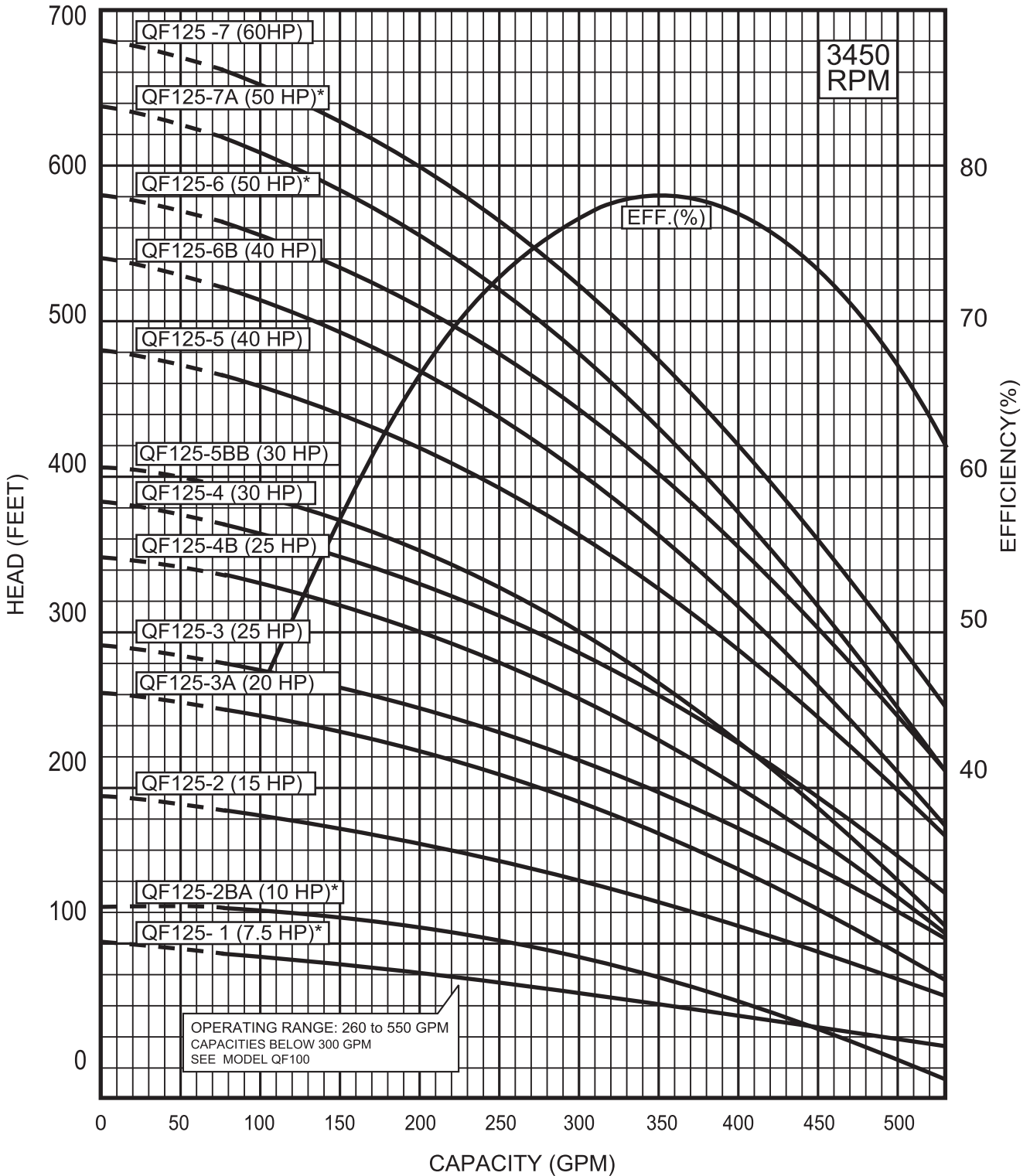
NOTES : Specifications are subject to change without notice.



FLOW RANGE: 75 - 550 GPM

OUTLET SIZE: 5" NPT

NOMINAL DIA. 8"



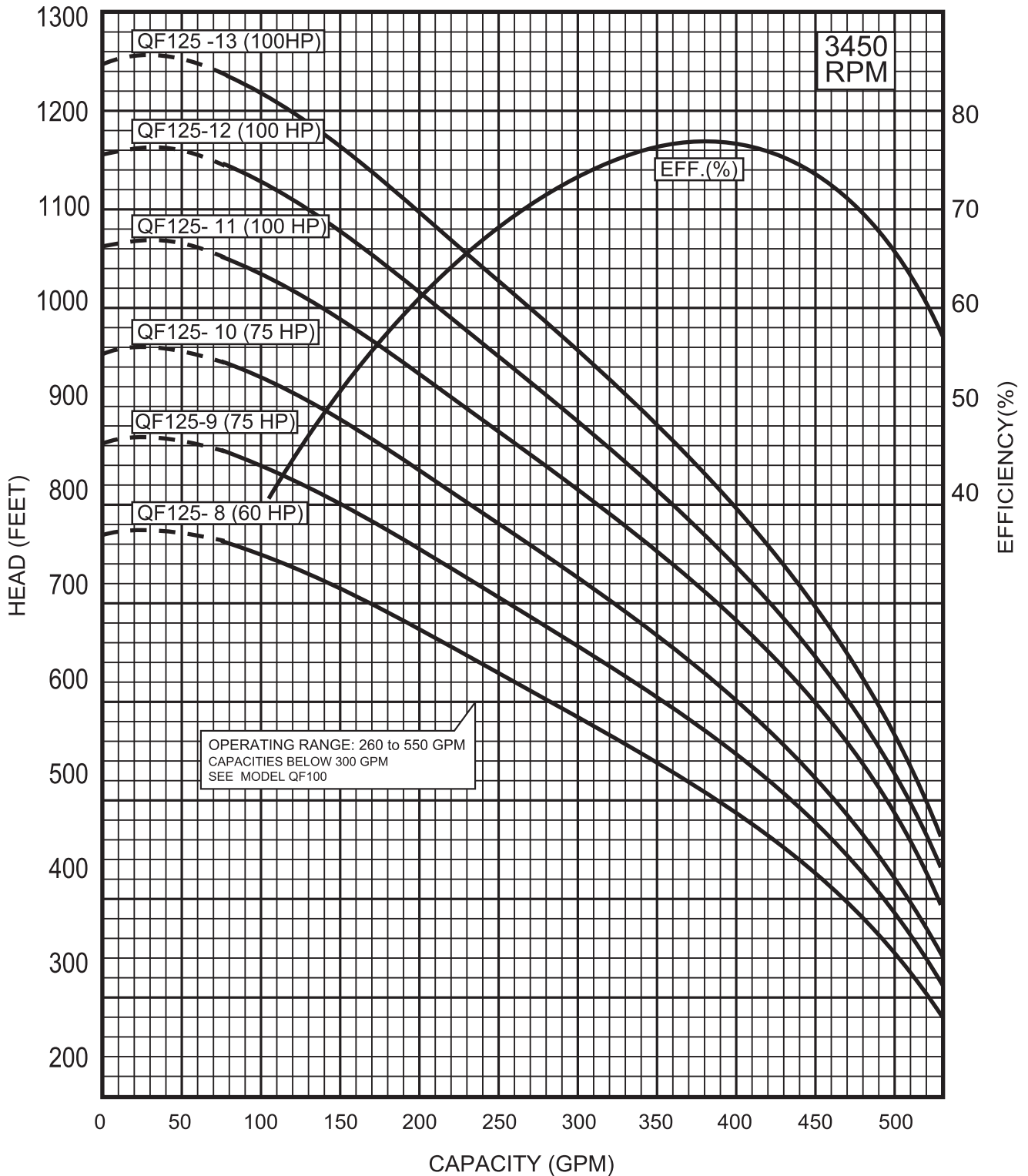
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
6" MOTOR STANDARD, 10-60 HP/3450 RPM.
8" MOTOR STANDARD, 75-100 HP/3525 RPM.
* Alternate motor sizes available.

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

FLOW RANGE: 75 - 550 GPM

OUTLET SIZE: 5" NPT

NOMINAL DIA. 8"

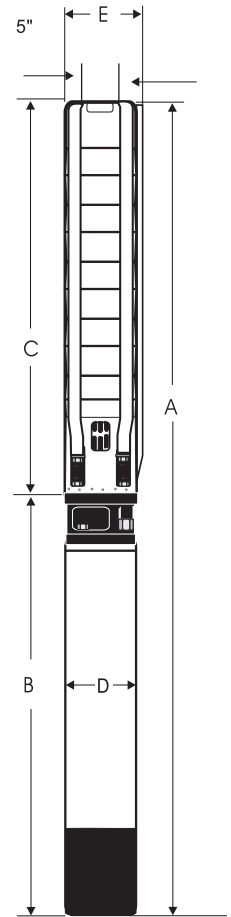


SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 10-60 HP/3450 RPM.
 8" MOTOR STANDARD, 75-100 HP/3525 RPM.
 * Alternate motor sizes available.

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

DIMENSIONS AND WEIGHTS

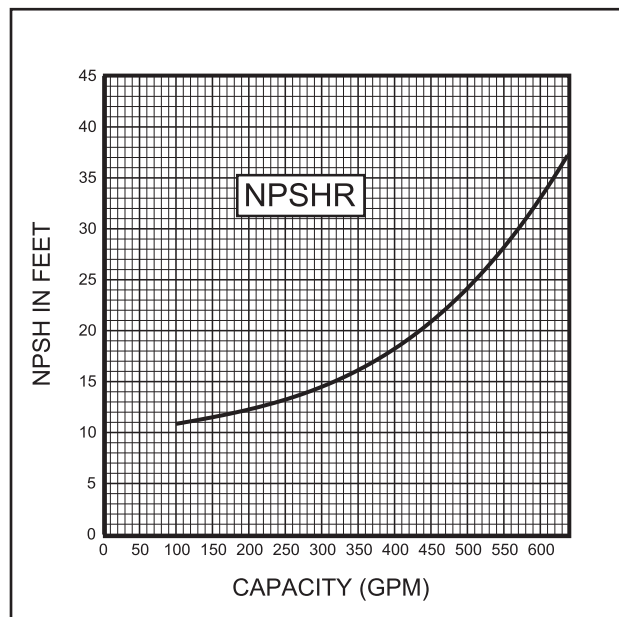
MODEL NO.	FIG.	HP	MOTOR SIZE	DISCH. SIZE	DIMENSIONS IN INCHES						APPROX. SHIP WT.
					A	B	C	D	E	F	
QF160 -1A	A	7.5	6"	5" NPT	48.5	24.2	24.3	5.4	7	54.6	161
QF160 -1	A	10	6"	5" NPT	49.7	25.4	24.3	5.4	7	55.8	171
QF160 -2B	A	15	6"	5" NPT	57.4	28.0	29.4	5.4	7	63.5	195
QF160 -2	A	20	6"	5" NPT	60.0	30.6	29.4	5.4	7	66.1	210
QF160 -3A	A	25	6"	5" NPT	67.5	33.1	34.4	5.4	7	73.6	230
QF160 -3	A	30	6"	5" NPT	70.1	35.7	34.4	5.4	7	76.2	230
QF160 -4AB	A	30	6"	5" NPT	75.2	35.7	39.5	5.4	7	81.3	295
QF160 -4*	A	40	6"	5" NPT	80.3	40.8	39.5	5.4	7	86.4	328
QF160 -5B	A	40	6"	5" NPT	85.3	40.8	44.5	5.4	7	91.4	336
QF160 -5*	A	50	6"	5" NPT	102.5	58.0	44.5	5.4	7	108.6	428
QF160 -6A*	A	50	6"	5" NPT	108.1	58.0	50.1	5.4	7	114.2	437
QF160 -6*	A	60	6"	5" NPT	111.8	61.7	50.1	5.4	7.0	117.9	403
QF160 -7*	A	60	6"	5" NPT	116.9	61.7	55.2	5.4	7.0	123.0	467
QF160 -8	A	75	8"	5" NPT	107.6	47.4	60.2	7.5	7.7	113.7	547
QF160 -9	A	100	8"	5" NPT	120.1	54.9	65.2	7.5	7.7	126.2	641
QF160 -10	A	100	8"	5" NPT	125.2	54.9	70.3	7.5	7.7	131.3	648
QF160 -11	A	100	8"	5" NPT	130.3	54.9	75.4	7.5	7.7	136.4	654
QF160 -12	A	125	8"	5" NPT	149.2	68.8	80.4	7.5	7.7	155.3	862
QF160 -13	A	125	8"	5" NPT	154.3	68.8	85.5	7.5	7.7	160.4	868
Pipe Adapter	A									6.1	



NOTES: All models suitable for use in 8" wells, unless otherwise noted.
 Weights include pump end with motor in lbs.
 *Alternate motors sizes available.

MATERIALS OF CONSTRUCTION

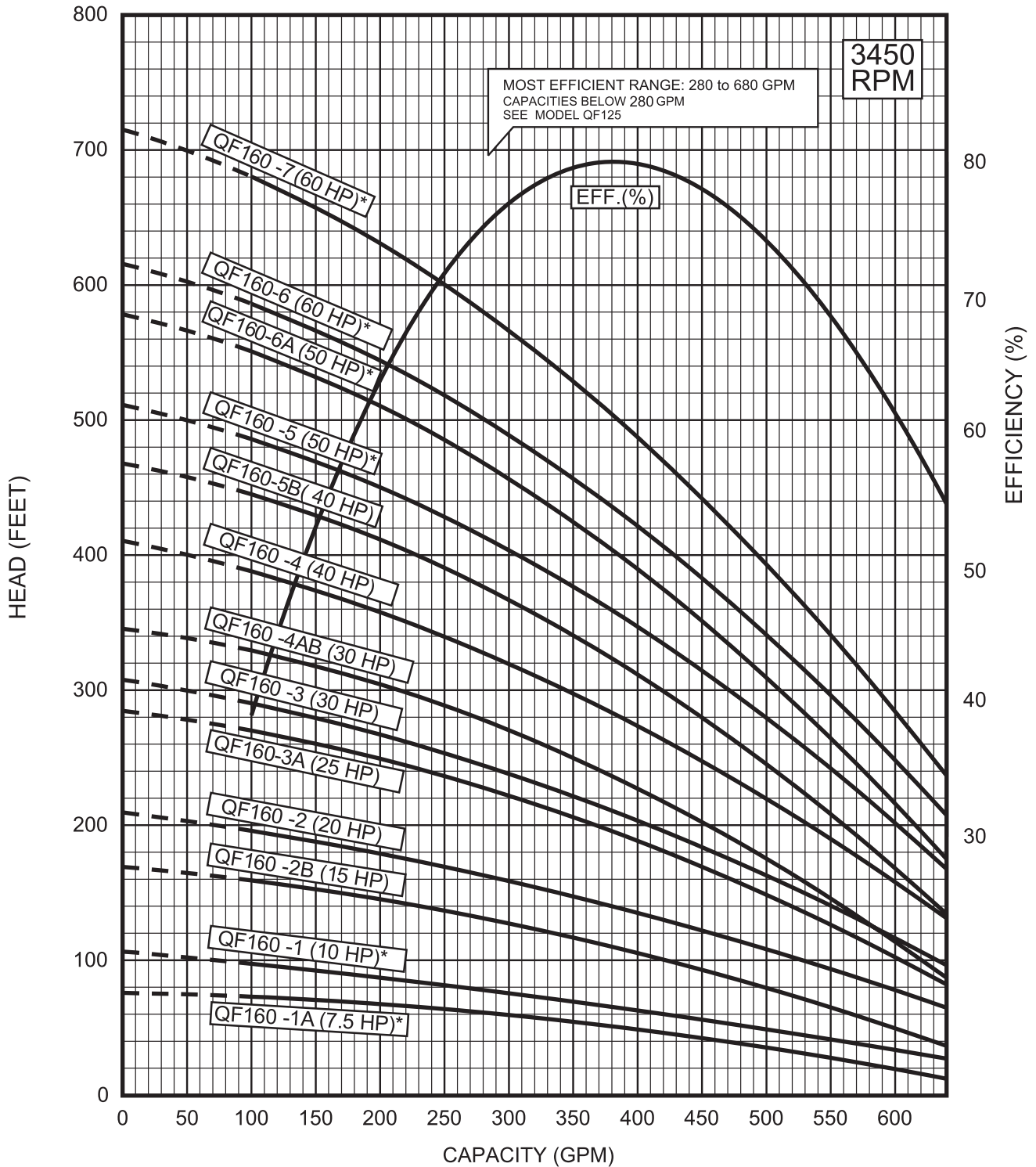
COMPONENT	CYLINDRICAL SHAFT (1-13 Stgs.)
Check Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Interconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Coupling	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Intermediate Bearings	NBR
Impeller Seal Ring	NBR/PPS
Check Valve Seat	NBR/304 Stainless Steel
Lower Bearing	NBR/304 Stainless Steel
Upthrust Washer	Carbon/Graphite HY22
Upthrust stop ring	304 S.S./Tungsten Carbide
O-Ring	NBR
Valve Seat	304 Stainless Steel
Lower Valve Seat Retainer	304 Stainless Steel
Upper Valve Seat Retainer	304 Stainless Steel
Valve Guide	304 Stainless Steel
Valve Cup Spring	304 Stainless Steel



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.

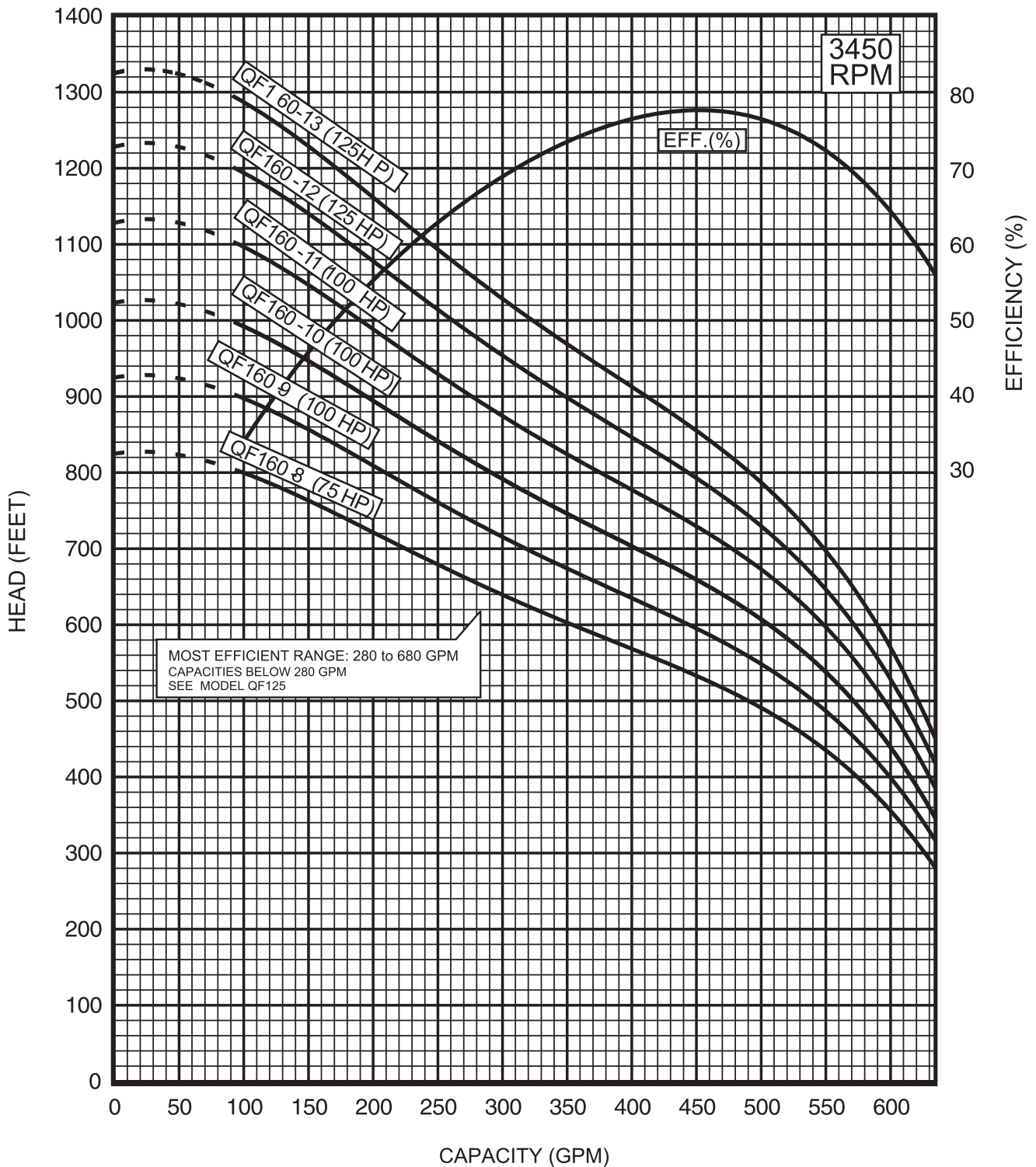
* Alternate motor sizes available.

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

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.

DIMENSIONS AND WEIGHTS

Model No.	FIG	HP	MOTOR SIZE	DISCH. SIZE	DIMENSION IN INCHES					APPROX SHIP WT.
					A	B	C	D	E	
QF2101A	A	15	6"	6" NPT	50.6	25	25.6	5.4	8.3	208
QF210-1	A	20	6"	6" NPT	56.2	30.6	25.6	5.4	8.3	217
QF210-2AA	A	30	6"	6" NPT	63.8	32	31.8	5.4	8.3	296
QF210-2A	A	40	6"	6" NPT	66.2	34.4	31.8	5.4	8.3	307
QF210-2*	A	40	6"	6" NPT	66.2	34.4	37.9	5.4	8.3	320
QF210-3AA*	A	50	6"	6" NPT	93.6	55.7	37.9	5.4	8.3	415
QF210-3A*	A	60	6"	6" NPT	99.6	61.7	37.9	5.4	8.3	448
QF210-3*	A	60	6"	6" NPT	99.6	61.7	44.4	5.4	8.3	448
QF210-4AA	A	75	6"	6" NPT	91.4	47.4	44	7.5	8.6	560
QF210-4A	A	75	6"	6" NPT	91.4	47.4	44	7.6	8.6	560
QF2104	A	100	8"	6" NPT	98.9	54.9	50.1	7.6	8.6	638
QF210-5AA	A	100	8"	6" NPT	105	54.9	50.1	7.6	8.6	661
QF210-5A	A	100	8"	6" NPT	105	54.9	50.1	7.6	8.6	661
QF2105	A	100	8"	6" NPT	105	54.9	56.2	7.6	8.6	661
QF210-6AA	A	125	8"	6" NPT	125	68.8	56.2	7.7	8.6	855
QF210-6A	A	125	8"	6" NPT	125	68.8	56.2	7.7	8.6	855
QF210-6	A	125	8"	6" NPT	125	68.8	62.4	7.7	8.6	855
QF210-7AA	A	125	8"	6" NPT	131.2	68.8	62.4	7.7	8.6	890
QF210-7A	A	150	8"	6" NPT	140.2	77.8	62.4	7.7	8.6	983
QF210-7	A	150	8"	6" NPT	140.2	77.8	62.4	7.7	8.6	983

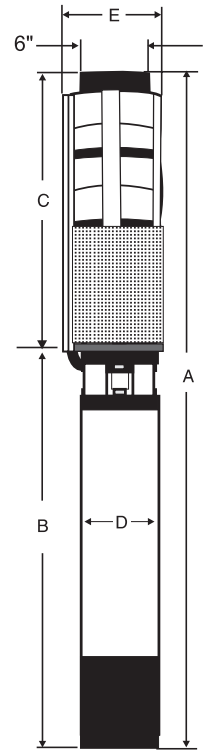


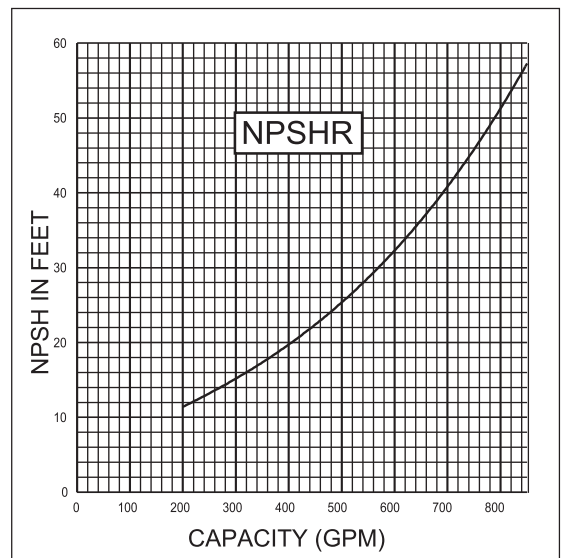
Fig. A

NOTES: All models suitable for use in 8" wells unless otherwise noted.
Weights include pump end with motor in lbs.
*Alternate motor sizes available.

MATERIALS OF CONSTRUCTION

MATERIALS OF CONSTRUCTION	
COMPONENT	CYLINDRICAL SHAFT (2-18 Stgs.)
Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Inerconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Coupling	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Intermediate Bearings	NBR
Impeller Seal Ring	NBR /PPS
Check Valve Seat	NBR /304 Stainless Steel
Top Bearing	NBR /304 Stainless Steel
Upthrust stop Ring	Carbon/Graphite HY 22
O-Ring	NBR
Valve Seat	304 Stainless Steel
Lower Valve Seat Retainer	304 Stainless Steel
Upper Valve Seat Retainer	304 Stainless Steel
Valve Guide	304 Stainless Steel

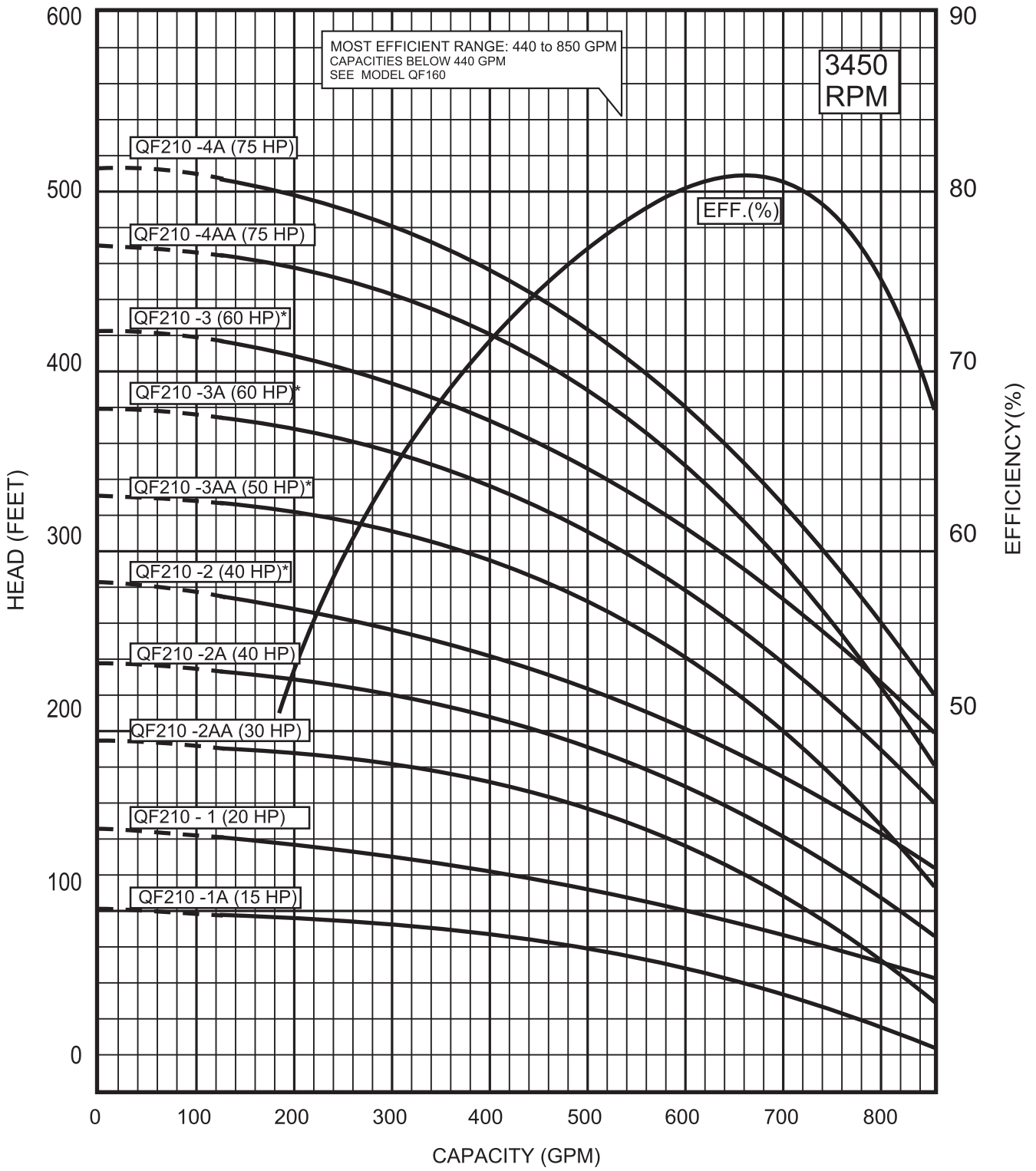
NOTES : Specifications are subject to change without notice.



FLOW RANGE: 125 - 850 GPM

OUTLET SIZE: 6" NPT

NOMINAL DIA. 10"



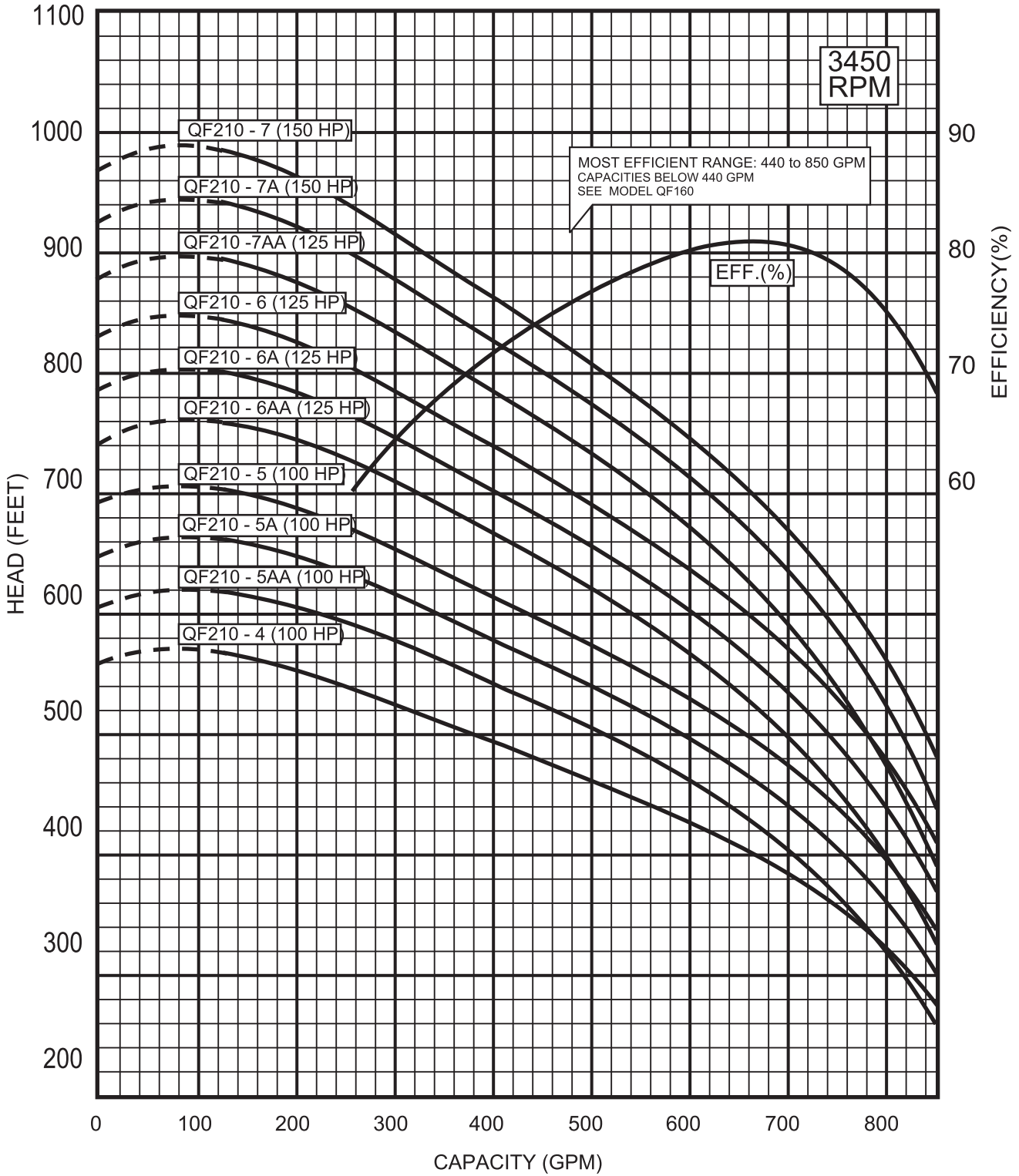
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
6" MOTOR STANDARD, 15-60 HP/3450 RPM.
8" MOTOR STANDARD, 75-150 HP/3525 RPM.
* Alternate motor sizes available.

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

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.

DIMENSIONS AND WEIGHTS

Model No.	FIG	HP	MOTOR SIZE	DISCH. SIZE	DIMENSION IN INCHES					APPROX SHIP WT.
					A	B	D	E		
QF-270 -1A	A	20	6"	6" NPT	53.1	27.5	25.6	5.4	8.3	219
QF-270 -1	A	30	6"	6" NPT	57.6	32.0	25.6	5.4	8.3	241
QF-270 -2AA*	A	40	6"	6" NPT	66.2	34.4	31.8	5.4	8.3	320
QF-270 -2A*	A	50	6"	6" NPT	87.5	55.7	31.8	5.4	8.3	402
QF-270 -2*	A	50	6"	6" NPT	87.5	55.7	31.8	5.4	8.3	402
QF-270 -3AA*	A	60	6"	6" NPT	99.6	61.7	37.9	5.4	8.3	448
QF-270 -2AA*	A	40	8"	6" NPT	66.2	34.4	31.8	7.5	8.6	459
QF-270 -2A*	A	50	8"	6" NPT	87.5	55.7	31.8	7.5	8.6	499
QF-270 -2*	A	50	8"	6" NPT	87.5	55.7	31.8	7.5	8.6	499
QF-270 -3AA*	A	60	8"	6" NPT	99.6	61.7	37.9	7.5	8.6	477
QF-270 -3A	A	75	8"	6" NPT	85.3	47.4	37.9	7.5	8.6	547
QF-270 -3	A	75	8"	6" NPT	85.3	47.4	37.9	7.5	8.6	547
QF-270 -4AA	A	100	8"	6" NPT	98.9	54.9	44.0	7.5	8.6	635
QF-270 -4A	A	100	8"	6" NPT	98.9	54.9	44.0	7.5	8.6	635
QF-270 -4	A	100	8"	6" NPT	98.9	54.9	44.0	7.5	8.6	635
QF-270 -5AA	A	125	8"	6" NPT	118.9	68.8	50.1	7.5	8.6	837
QF-270 -5A	A	125	8"	6" NPT	118.9	68.8	50.1	7.7	8.6	837
QF-270 -5	A	125	8"	6" NPT	118.9	68.8	50.1	7.7	8.6	837

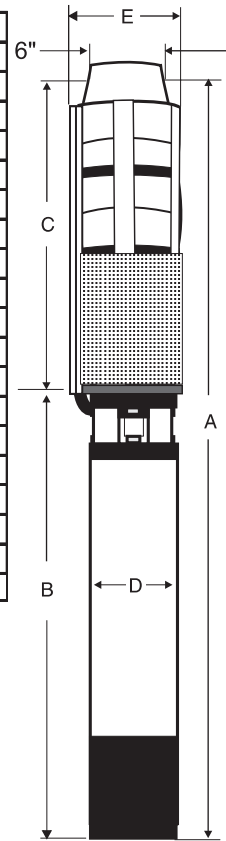


Fig. A

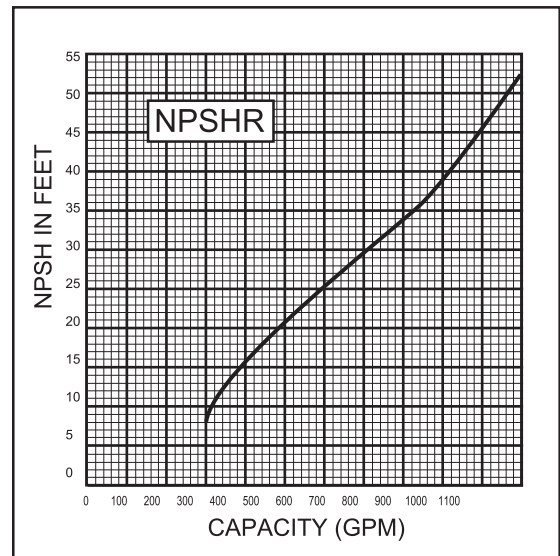
NOTES: All models suitable for use in 10" wells, unless equipped with 10" motor. Weights include pump end with motor in lbs.

* Alternate motor sizes available.

MATERIALS OF CONSTRUCTION

MATERIALS OF CONSTRUCTION	
COMPONENT	CYLINDRICAL SHAFT (2-18 Stgs.)
Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Inerconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Coupling	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Intermediate Bearings	NBR
Impeller Seal Ring	NBR /PPS
Top Bearing	NBR /304 Stainless Steel 304
Upthrust stop Ring	Carbon/Graphite HY 22
O-Ring	NBR
Valve Seat	304 Stainless Steel
Lower Valve Seat Retainer	304 Stainless Steel
Upper Valve Seat Retainer	304 Stainless Steel
Valve Guide	304 Stainless Steel
Valve Cup Spring	304 Stainless Steel

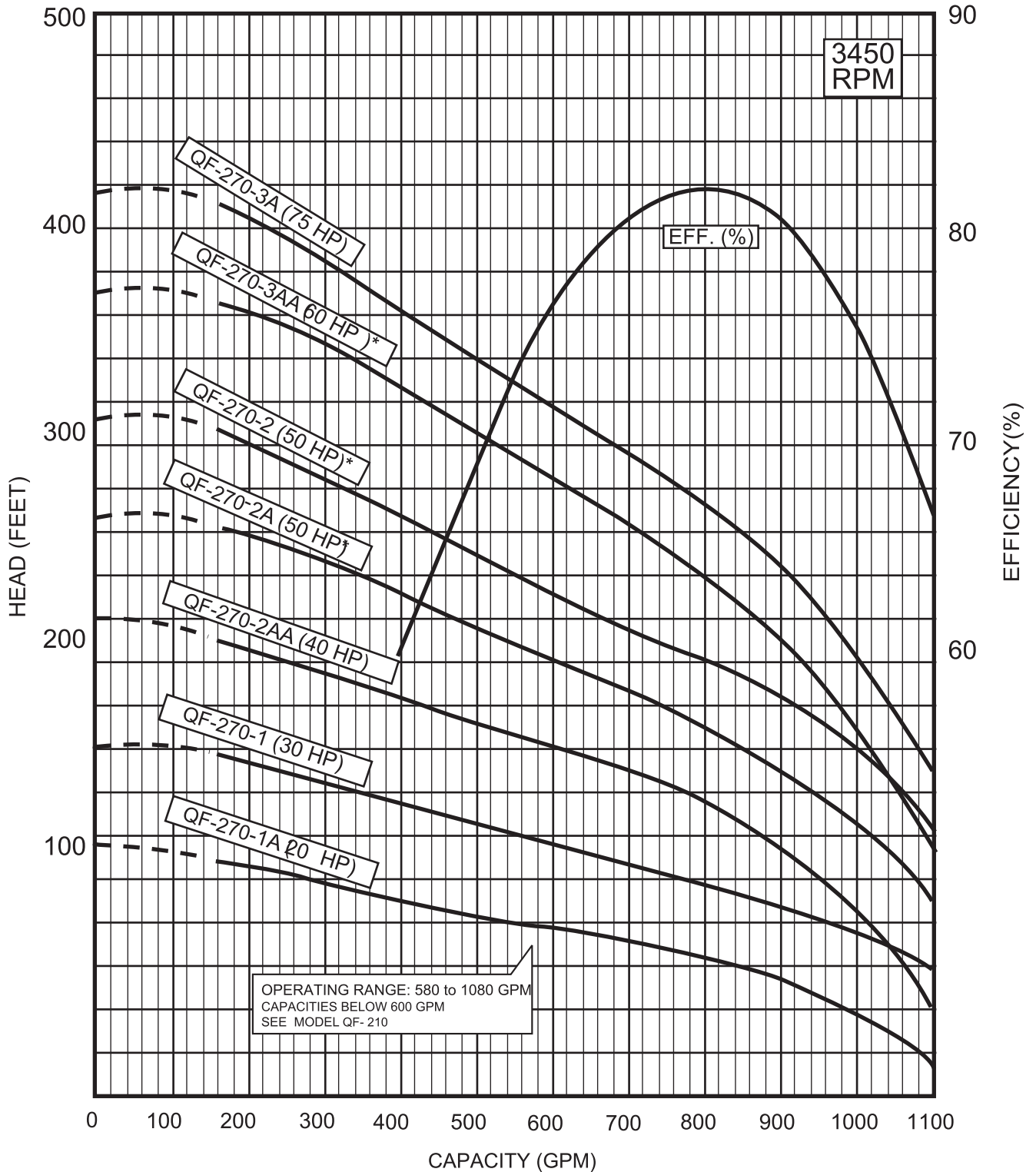
NOTES : Specifications are subject to change without notice.



FLOW RANGE: 220 -1400 GPM

OUTLET SIZE: 6 " NPT

NOMINAL DIA. 10"



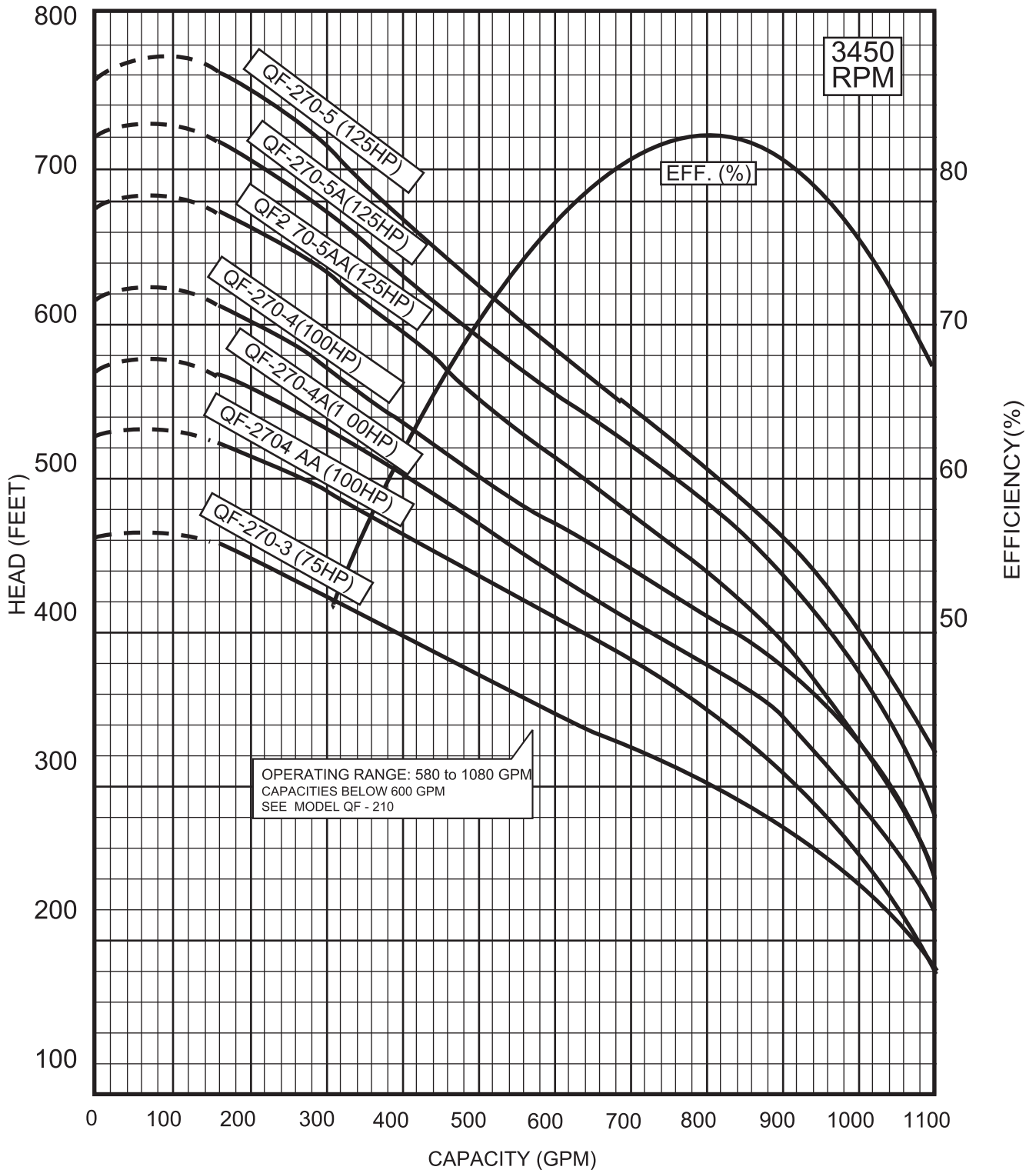
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 40 HP/3450 RPM.
 8" MOTOR STANDARD, 60-200 HP/3525 RPM.
 10" MOTOR STANDARD, 250 HP/3500 RPM.
 * Alternate motor sizes available.

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

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.

DIMENSIONS AND WEIGHTS

Model No.	FIG	HP	MOTOR SIZE	DISCH. SIZE	DIMENSION IN INCHES					APPROX SHIP WT.
					A	B	C	D	E	
QF360-1A	A	30	6"	6" NPT	66.8	35.7	31.1	5.4	9.7	252
QF360-1*	A	40	6"	6" NPT	68.3	37.2	31.1	5.4	9.7	276
QF360-2AA*	A	60	6"	6" NPT	79.9	41.8	38.1	5.4	9.7	459
QF3602A	A	75	8"	6" NPT	85.5	47.4	38.1	7.6	9.7	558
QF360-2	A	100	8"	6" NPT	93.8	55.7	38.1	7.6	9.7	558
QF360-3AA	A	100	8"	6" NPT	100.8	55.7	45.1	7.6	9.7	657
QF360-3A	A	125	8"	6" NPT	102.1	57	45.1	7.7	9.7	836
QF360-3	A	125	8"	6" NPT	102.1	57	45.1	7.7	9.7	836
QF3604AA	A	150	8"	6" NPT	129.8	77.8	52	7.7	9.7	1007
QF360-4A	A	150	8"	6" NPT	129.8	77.8	52	7.7	9.7	1007
QF360-4	A	175	8"	6" NPT	137.8	85.8	52	7.7	9.7	1007
QF360-5AA*	A	175	8"	6" NPT	144.7	85.8	58.9	7.7	9.7	1089
QF3605A**	A	175	8"	6" NPT	144.7	85.8	58.9	7.7	9.7	1089
QF360-5*+	A	200	8"	6" NPT	153.7	94.8	58.9	7.7	9.7	1197
QF360-6AA+	A	250	10"	6" NPT	145.2	79.5	65.7	9.1	10.9	1263
QF360-6A+	A	250	10"	6" NPT	145.2	79.5	65.7	9.1	10.9	1263
QF360-6+	A	250	10"	6" NPT	145.2	79.5	65.7	9.1	10.9	1263

NOTES: All models suitable for use in 10" wells, unless equipped with 10" motor.
Weights include pump end with motor in lbs.
* Alternate motor sizes available.

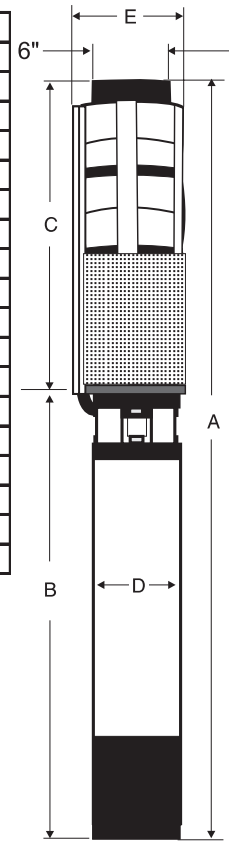
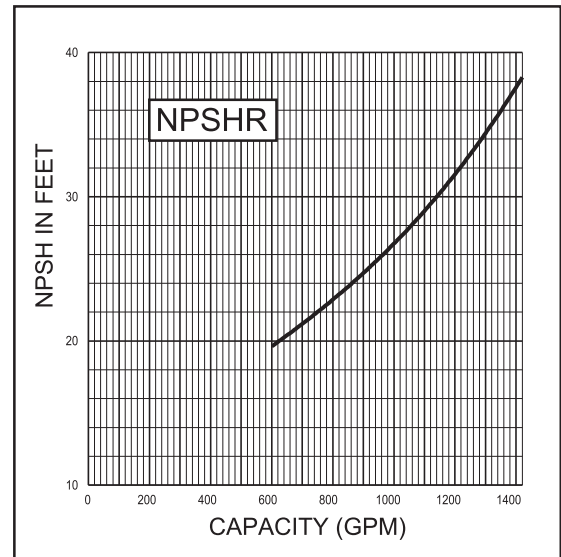


Fig. A

MATERIALS OF CONSTRUCTION

MATERIALS OF CONSTRUCTION	
COMPONENT	CYLINDRICAL SHAFT (2-18 Stgs.)
Valve Housing	304 Stainless Steel
Check Valve	304 Stainless Steel
Diffuser Chamber	304 Stainless Steel
Split Cone Nut	304 Stainless Steel
Split Cone	304 Stainless Steel
Impeller	304 Stainless Steel
Suction Inerconnector	304 Stainless Steel
Inlet Screen	304 Stainless Steel
Straps	304 Stainless Steel
Cable Guard	304 Stainless Steel
Coupling	304 Stainless Steel
Pump Shaft	Duplex Stainless Steel
Intermediate Bearings	NBR
Impeller Seal Ring	NBR /PPS
Top Bearing	NBR /304 Stainless Steel 304
Upthrust stop Ring	Carbon/Graphite HY 22
O-Ring	NBR
Valve Seat	304 Stainless Steel
Lower Valve Seat Retainer	304 Stainless Steel
Upper Valve Seat Retainer	304 Stainless Steel
Valve Guide	304 Stainless Steel
Valve Cup Spring	304 Stainless Steel

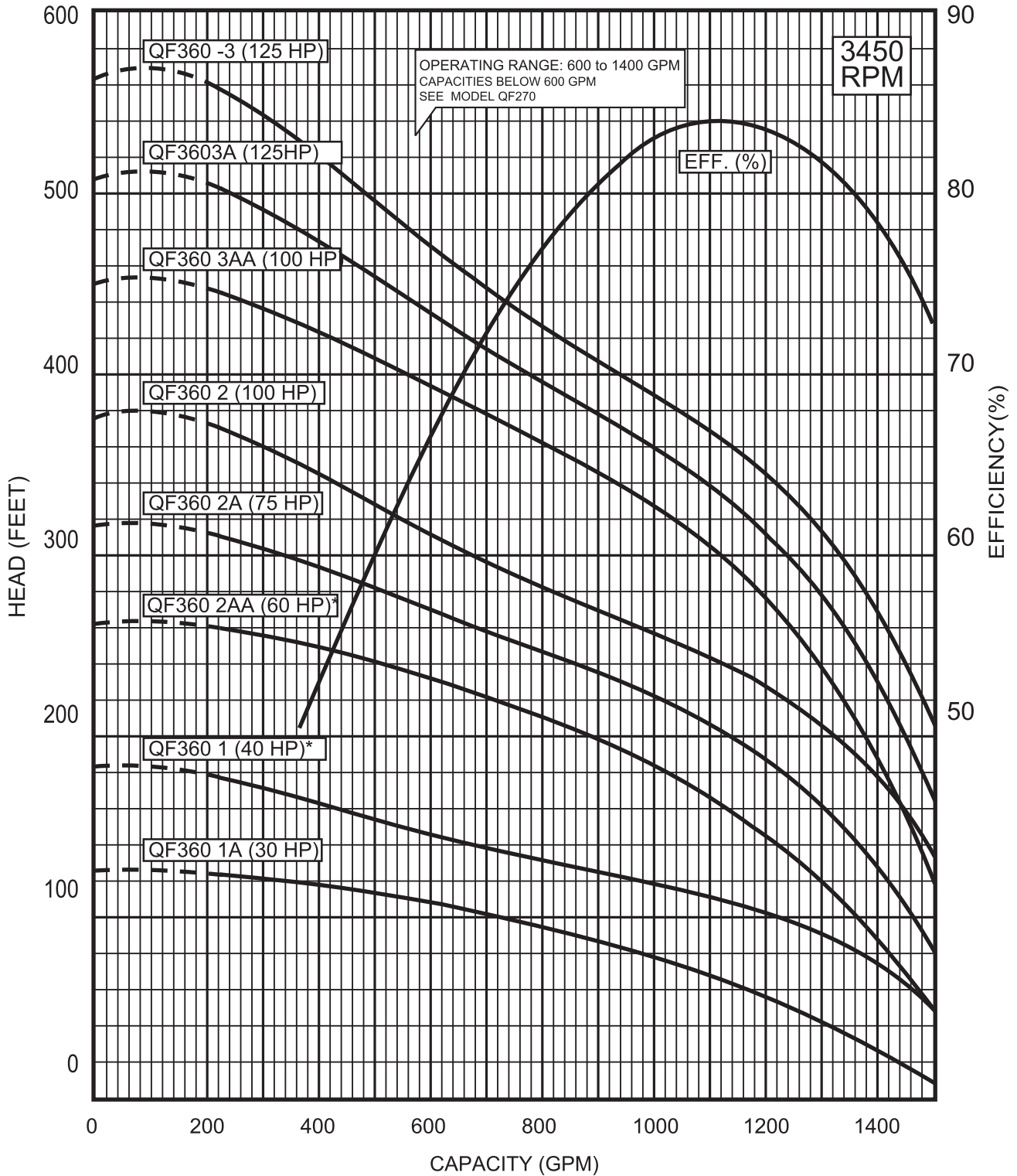
NOTES : Specifications are subject to change without notice.



FLOW RANGE: 220 -1400 GPM

OUTLET SIZE: 6 " NPT

NOMINAL DIA. 10"



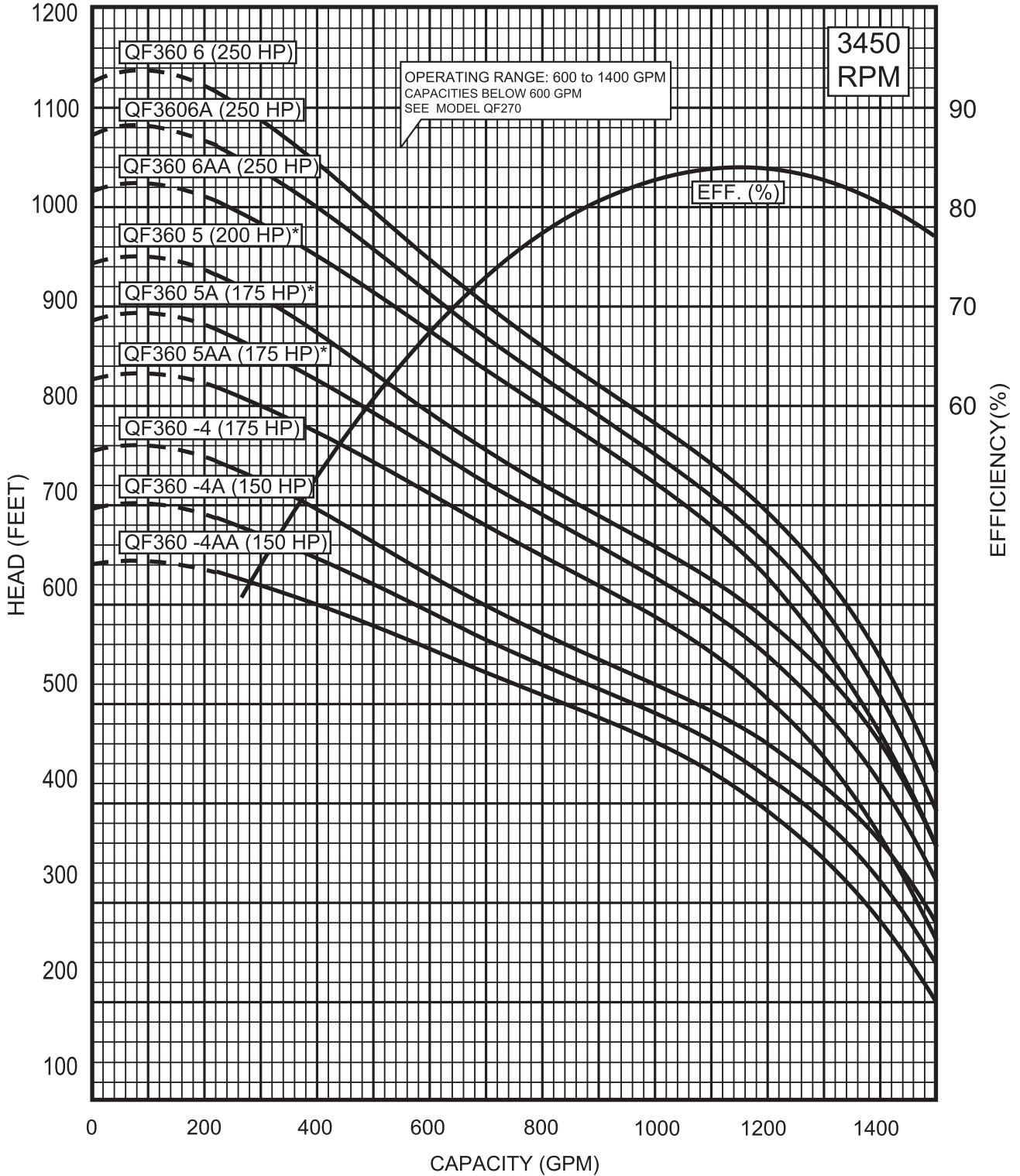
SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.
 6" MOTOR STANDARD, 40 HP/3450 RPM.
 8" MOTOR STANDARD, 60-200 HP/3525 RPM.
 10" MOTOR STANDARD, 250 HP/3500 RPM.
 * Alternate motor sizes available.

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

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.

1 x 220 V, submersible motors Encapsulated

Electrical data											Dimension		
Motor				Full-load current I_n [A]	Motor efficiency (%)			Power factor			1st In	Length [mm]	Weight [lbs]
Type	Size	Power [kw]	Power [hp]		$\eta_{50\%}$	$\eta_{75\%}$	$\eta_{100\%}$	Cos $\varphi_{50\%}$	Cos $\varphi_{75\%}$	Cos $\varphi_{100\%}$			
MS 100	4"	0.25	0.33	4.2	40	50	55	0.44	0.48	0.50	3*	256	14.99
MS 100	4"	0.37	0.5	5.2	43	52	56	0.44	0.50	0.58	3.6*	256	14.99
MS 100	4"	0.55	0.75	7.1	43	52	58	0.47	0.56	0.62	3.7*	291	18.07
MS 100	4"	0.75	1.0	8.6	48	56	62	0.50	0.58	0.64	3.8*	306	19.62
MS 100	4"	1.1	1.5	11.0	54	63	67	0.56	0.60	0.68	4*	346	23.14
MS 100	4"	1.1	1.5	12.0			74			0.56	4.4**	346	23.14

* Applies to 2 and 3 wire motors

** Applies to 2 wire motors

3 x 220 V, submersible motors Encapsulated

Electrical data											Dimension		
Motor				Full-load current I_n [A]	Motor efficiency (%)			Power factor			1st In	Length [mm]	Weight [lbs]
Type	Size	Power [kw]	Power [hp]		$\eta_{50\%}$	$\eta_{75\%}$	$\eta_{100\%}$	Cos $\varphi_{50\%}$	Cos $\varphi_{75\%}$	Cos $\varphi_{100\%}$			
MS 100	4"	0.37	0.5	2.5	58	65	69	0.48	0.50	0.56	5.0	226	12.12
MS 100	4"	0.55	0.75	3.4	58	66	69	0.47	0.56	0.62	4.8	241	13.88
MS 100	4"	0.75	1.0	4.2	61	67.5	72	0.50	0.60	0.68	5.0	276	16.97
MS 100	4"	1.1	1.5	5.6	65	71	74	0.50	0.60	0.70	5.5	306	19.62
MS 100	4"	1.5	2.0	7.2	68	74	76	0.54	0.67	0.72	5.5	346	23.14
MS 100	4"	2.2	3.0	10.2	74	77	78	0.58	0.70	0.73	4.7	453	35.27
MS 100	4"	3.0	4.0	13.5	77	79	79	0.60	0.70	0.74	4.7	493	37.47
MS 100	4"	4.0	5.5	1.08	80	80	80	0.68	0.70	0.73	5.4	573	46.29
MS 100	4"	5.5	7.5	24.7	78	81	79	0.64	0.69	0.74	5.1	673	57.32
MS 150	6"	5.5	7.5	22.6	76	80	81	0.63	0.73	0.79	5.3	541	78.26
MS 150	6"	7.5	10	29.7	78	82	83	0.66	0.76	0.80	5.3	571	81.57
MS 150	6"	9.2	12.5	36.0	80	81	81	0.68	0.78	0.83	4.4	601	93.69
MS 150	6"	11.0	15.0	43.5	80	83	83	0.71	0.78	0.80	4.3	631	100.31
MS 150	6"	13.0	17.5	50.0	81	83	83	0.69	0.80	0.92	4.5	661	106.92
MS 150	6"	15.0	20.0	56.8	82	84	85	0.70	0.81	0.83	4.9	696	115.74
MS 150	6"	18.5	25.0	70.0	82	85	85	0.68	0.80	0.82	5.0	751	127.86
MS 150	6"	22.0	30.0	62.0	84	85	86	0.73	0.80	0.82	4.7	811	141.09
MS 150	6"	26.0	35.0	97.0	83	85	85	0.73	0.82	0.83	4.6	871	153.22
MS 150	6"	30.0	40.0	112.2	84	85	85	0.72	0.80	0.83	4.6	941	170.85

3 x 380 V, submersible motors Encapsulated

Electrical date											Dimension		
Type	Size	Motor		Full-load current I _n [A]	Motor efficiency (%)			Power factor			1st In	Length [mm]	Weight [lbs]
		Power [kw]	Power [hp]		η _{50%}	η _{75%}	η _{100%}	cos φ _{50%}	cos φ _{75%}	cos φ _{100%}			
MS 100	4"	0.37	0.5	1.5	58	68	70	0.52	0.6	0.70	5.0	226	12.12
MS 100	4"	0.55	0.75	2.0	58	66	69	0.47	0.59	0.70	4.8	241	13.88
MS 100	4"	0.75	1.0	2.3	61	67	71	0.50	0.63	0.70	5.0	276	16.97
MS 100	4"	1.1	1.5	3.2	65	72	72	0.49	0.62	0.72	5.5	306	19.62
MS 100	4"	1.5	2.0	4.0	68	74	76	0.53	0.67	0.75	5.5	346	23.14
MS 100	4"	2.2	3.0	6.0	71	75	76	0.52	0.64	0.73	4.9	453	35.27
MS 101	4"	3.0	4.0	7.4	74	78	78	0.56	0.70	0.79	4.9	493	37.47
MS 101	4"	4.0	5.5	10.0	78	80	80	0.60	0.74	0.76	5.7	573	46.29
MS 101	4"	5.5	7.5	13.4	80	81	80	0.60	0.74	0.78	5.3	673	57.32
MS 150	6"	5.5	7.5	13.2	76	80	81	0.58	0.70	0.78	4.5	541	78.26
MS 150	6"	7.5	10.0	17.0	80	82	82	0.64	0.74	0.82	4.6	571	81.57
MS 150	6"	9.2	12.5	21.0	77	80	81	0.64	0.74	0.82	4.7	601	93.69
MS 150	6"	11.0	15.0	25.0	80	83	83	0.66	0.76	0.80	4.7	631	100.31
MS 150	6"	13.0	17.5	29.0	80	84	83	0.64	0.76	0.82	4.8	661	106.92
MS 150	6"	15.0	20.0	33.0	81	83	84	0.64	0.76	0.82	5.2	696	115.74
MS 150	6"	18.5	25.0	41.0	82	84	84	0.64	0.76	0.82	5.3	751	127.86
MS 150	6"	22.0	30.0	48.0	83	85	85	0.67	0.77	0.82	5.1	811	141.09
MS 150	6"	26.0	35.0	56.0	83	84	85	0.67	0.77	0.83	5.0	871	153.22
MS 150	6"	30.0	40.0	65.0	83	85	85	0.67	0.77	0.82	5.0	941	170.85

3 x 460 V, submersible motors Encapsulated

Electrical date											Dimension		
Type	Size	Motor		Full-load current I _n [A]	Motor efficiency (%)			Power factor			1st In	Length [mm]	Weight [lbs]
		Power [kw]	Power [hp]		η _{50%}	η _{75%}	η _{100%}	cos φ _{50%}	cos φ _{75%}	cos φ _{100%}			
MS 100	4"	0.37	0.5	0.9	58.0	65.0	69.0	0.51	0.64	0.75	5.0	226	12.12
MS 100	4"	0.55	0.75	1.3	58.5	65.5	69.0	0.47	0.59	0.77	4.8	241	13.88
MS 100	4"	0.75	1.0	2.1	61.5	67.0	71.0	0.50	0.63	0.72	5.0	276	16.97
MS 100	4"	1.1	1.5	3.0	64.5	70.5	73.0	0.49	0.62	0.63	5.5	306	19.62
MS 100	4"	1.5	2.0	3.7	68.0	72.5	75.0	0.54	0.64	0.68	5.5	346	23.14
MS 100	4"	2.2	3.0	5.1	70.0	75.0	76.0	0.52	0.65	0.71	4.8	453	35.27
MS 100	4"	3.0	4.0	6.2	73.4	77.3	78.0	0.54	0.68	0.78	4.9	493	37.47
MS 101	4"	4.0	5.5	8.8	77.1	79.8	80.0	0.60	0.74	0.71	5.7	573	46.29
MS 101	4"	5.5	7.5	11.0	79.5	80.7	81.0	0.60	0.74	0.78	5.3	673	57.32
MS 101	4"	7.5	10	15.9	78.5	80.7	81.0	0.56	0.69	0.73	5.2	773	68.34
MS 150	6"	5.5	7.5	11.7	76.0	79.5	81.0	0.56	0.68	0.73	4.5	541	78.26
MS 150	6"	7.5	10.0	15.6	78.0	79.0	81.0	0.61	0.73	0.75	4.6	571	81.57
MS 150	6"	9.2	12.5	18.7	77.0	80.0	81.0	0.62	0.73	0.76	4.7	601	93.69
MS 150	6"	11.0	15.0	22.0	79.5	82.5	83.0	0.66	0.76	0.76	4.7	631	100.31
MS 150	6"	13.0	17.5	25.6	80.0	83.0	83.0	0.64	0.74	0.77	4.8	661	106.92
MS 150	6"	15.0	20.0	28.8	81.0	83.5	84.0	0.64	0.75	0.78	5.2	696	115.74
MS 150	6"	18.5	25.0	36.0	81.0	84.0	84.0	0.62	0.73	0.77	5.3	751	127.88
MS 150	6"	22.0	30.0	41.8	82.0	85.0	85.0	0.67	0.78	0.78	5.1	811	141.09
MS 150	6"	26.0	35.0	48.8	82.0	84.0	85.0	0.67	0.77	0.78	5.0	871	153.22
MS 150	6"	30.0	40.0	56.5	82.0	84.0	85.0	0.66	0.76	0.78	5.6	941	170.85



DELHI

MADHYA PRADESH

INDORE

PITHAMPUR

KOLKATTA

MUMBAI

CHENNAI

SHAKTI PUMPS