

6" High Capacity Pumps Features



FPS4400

6" High Capacity Pumps

Ideal for farm, home, irrigation, industry, municipal and commercial applications, equipped with the power, performance and reliability you expect from Franklin Electric.

Flow ratings of 50, 75, 100 and 125 gpm with TDH up to 1200 ft.

Horsepower ranges from 1-1/2 to 40 hp.

Features:

- Heavy-duty stainless steel discharge head and motor bracket.
- Stainless steel shaft, shell, intake screen and cable guard provides corrosion resistance and longer pump life.
- Glass-filled Noryl[®] impeller stage assemblies provide exceptional strength and durability.
- Ceramic shaft sleeve and rubber discharge bearing minimizes bearing wear and shaft misalignment.
- 3" NPT heavy-duty stainless steel discharge head.
- Modular motor bracket enabling 4" or 6" motor mount for 5-10 hp units.
- One year unconditional warranty against failure from sand locking in abrasive well conditions.

Noryl[®] is a registered trademark of G.E.

6" High Capacity Pumps

Ordering Information (See pgs. 2-3 for model number explanation)

Stainless Steel Ordering Information

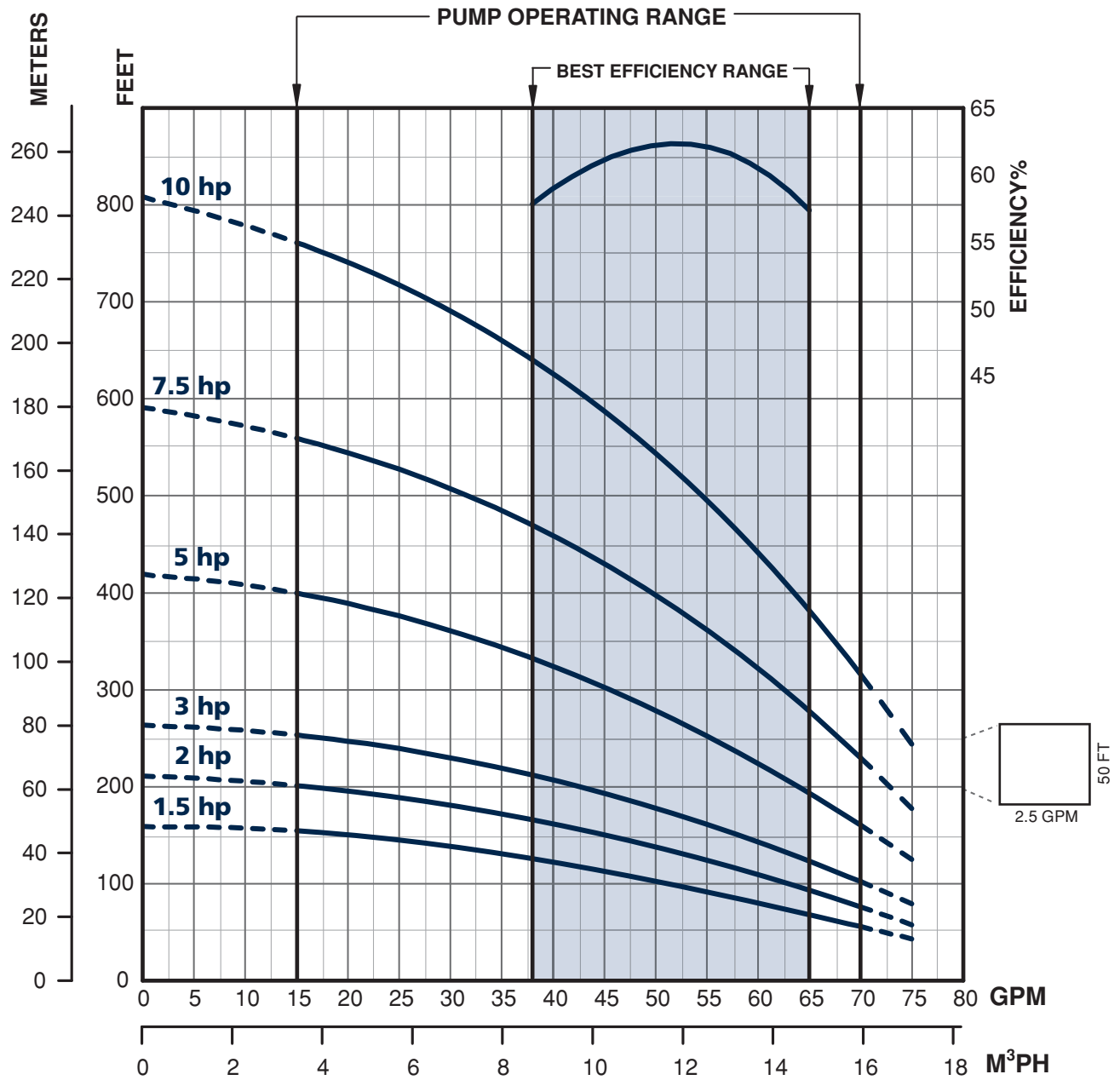
6" Pump Ends							
GPM	hp	Stages	Motor Fit	Ordering Info.		Dimensions	Wt.
				Model No.	Order No.	Pump End Only	
50	1.5	3	4"	50FA15S6-PE	94825003	13.51	30
	2	4	4"	50FA2S6-PE	94825004	15.13	31
	3	5	4"	50FA3S6-PE	94825005	16.76	32
	5	8	4" & 6"	50FA5S6-PE	94825008	21.63	36
	7.5	11	4" & 6"	50FA7S6-PE	94825011	26.51	40
	10	15	4" & 6"	50FA10S6-PE	94825015	32.94	46
75	3	3	4"	75FA3S6-PE	94827503	13.51	30
	5	5	4" & 6"	75FA5S6-PE	94827505	16.76	32
	7.5	7	4" & 6"	75FA7S6-PE	94827507	20.01	35
	10	9	4" & 6"	75FA10S6-PE	94827509	23.26	38
	15	13	6"	75FA15S6-PE	94827513	29.76	43
	20	17	6"	75FA20S6-PE	94827517	36.19	48
100	25	23	6"	75FA25S6-PE	94827523	46.00	54
	5	3	4" & 6"	100FA5S6-PE	94820003	14.62	30
	7.5	5	4" & 6"	100FA7S6-PE	94820005	18.51	32
	10	6	4" & 6"	100FA10S6-PE	94820006	20.49	34
	15	9	6"	100FA15S6-PE	94820009	26.31	38
	20	13	6"	100FA20S6-PE	94820013	34.07	43
125	25	16	6"	100FA25S6-PE	94820016	39.94	47
	5	2	4" & 6"	125FA5S6-PE	94822502	12.94	29
	7.5	3	4" & 6"	125FA7S6-PE	94822503	15.05	30
	10	4	4" & 6"	125FA10S6-PE	94822504	17.13	31
	15	7	6"	125FA15S6-PE	94822507	23.37	35
	20	9	6"	125FA20S6-PE	94822509	27.54	38
	25	11	6"	125FA25S6-PE	94822511	31.70	40
	30	13	6"	125FA30S6-PE	94822513	35.87	43
40	18	6"	125FA40S6-PE	94822518	46.27	48	

Note: All dimensions are in inches. Discharge is 3" NPT. Maximum diameter across cable guard is 5.5" on all models. Weight in pounds.

Submersible Pumps

6" High Capacity Pumps

50 GPM Performance Curves



Submersible Pumps

6" High Capacity Pumps 50 GPM Performance Charts

Capacities in U.S. Gallons per Minute

HP	PSI	Depth to Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550			
1.5	0			68	61	51	41	30											Shut-off 158 ft		
	20	66	58	47	38	25															
	30	56	46	37	21																
	40	44	35	16																	
	50	33																			
Shut-off PSI		60	51	43	34	25	17	8													
2	0				69	63	57	49	41	31	16								Shut-off 211 ft		
	20		67	62	54	46	38	27													
	30	67	60	53	45	37	25														
	40	59	52	44	35	23															
	50	51	42	34	20																
60	41	32	17																		
Shut-off PSI		83	74	65	57	48	39	31	22	13	5										
3	0					70	66	61	55	49	42	17							Shut-off 263 ft		
	20			69	65	60	53	47	40	33	21										
	30		68	64	59	52	46	39	31	18											
	40	68	63	58	51	45	38	30	15												
	50	63	57	50	44	37	28														
Shut-off PSI		105	97	88	79	71	62	53	45	36	27	6									
5	0								70	67	64	55	45	34					Shut-off 418 ft		
	20						69	66	63	60	56	46	35	16							
	30					69	66	63	59	56	51	41	28								
	40				68	66	62	59	55	51	47	36	18								
	50		70	68	65	62	58	54	50	46	42	29									
60	70	67	65	61	58	54	50	45	41	37	20										
Shut-off PSI		173	164	155	147	138	129	121	112	103	95	73	51	30							
7.5	0											68	63	57	49	42	32	18	Shut-off 591 ft		
	20										70	68	63	57	50	42	33	19			
	30									70	68	66	60	54	47	38	27				
	40								70	68	66	64	58	51	43	34	21				
	50						69	67	65	63	61	54	47	39	28						
Shut-off PSI		247	239	230	221	213	204	195	187	178	169	148	126	104	83	61	39	18			
HP	PSI	Depth to Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																			
		100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750			
10	0											68	64	59	54	49	43	37	28	18	Shut-off 808 ft
	20										68	64	60	55	50	44	37	29	19		
	30								70	66	62	57	52	47	41	34	25				
	40								68	64	60	55	50	44	38	30	20				
	50						70	66	62	58	53	47	41	34	26						
60					70	68	65	60	56	50	45	38	31	21							
Shut-off PSI		306	298	289	281	272	263	242	220	198	177	155	133	112	90	68	47	25			

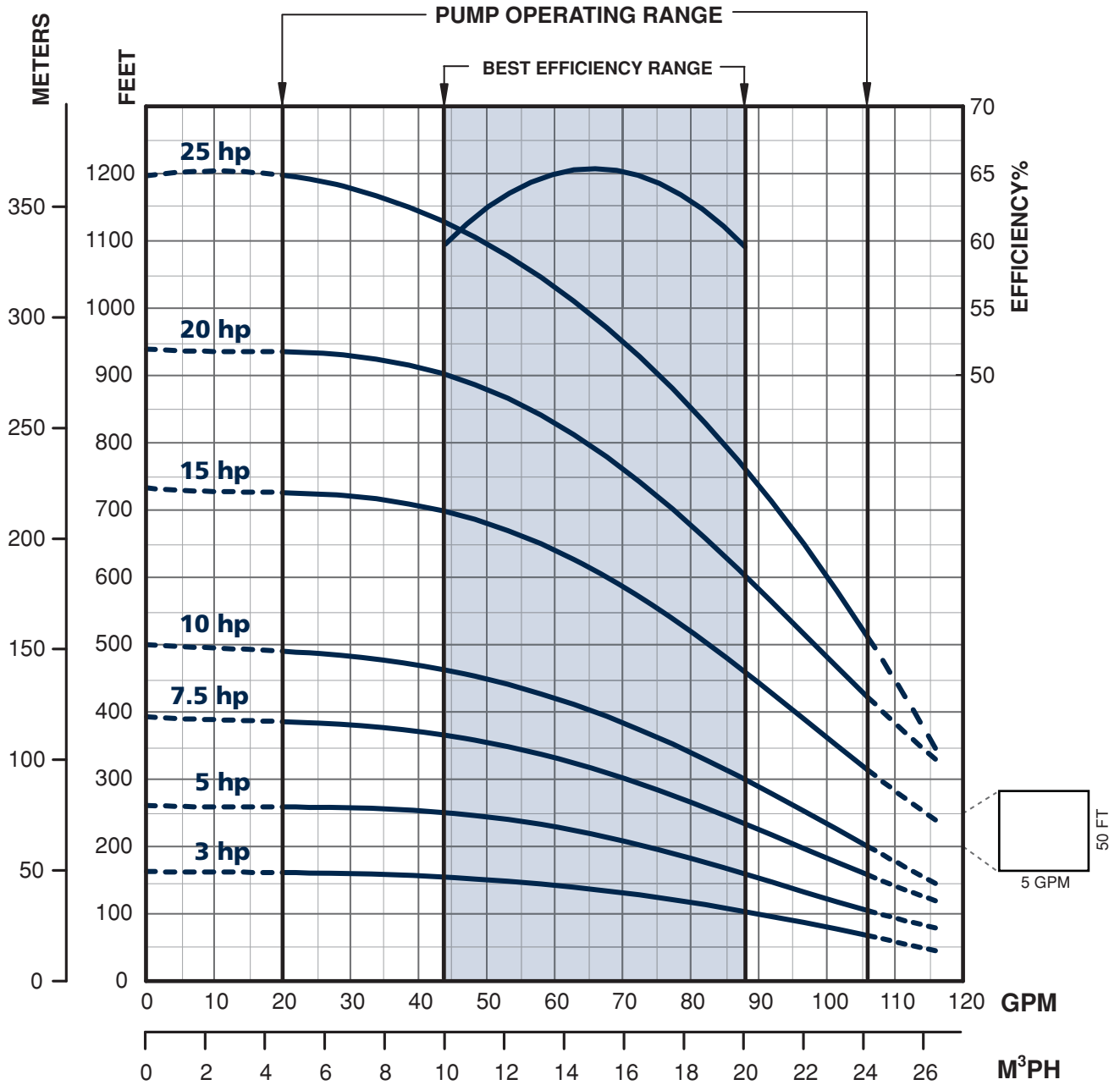
Discharge 3" NPT.

Notes: 1. Performance shown does not include friction loss in the drop pipe.

2. All performance data is based on rated motor nameplate voltage.

Submersible Pumps

FPS 4400 High Capacity 75 GPM Performance Curves



Submersible Pumps

FPS 4400 High Capacity 75 GPM Performance Charts

Capacities in U.S. Gallons per Minute

HP	PSI	Depth to Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																					
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550					
3	0			108	101	89	77	64	26											Shut-off 162 ft			
	20	106	98	85	73	57																	
	30	96	83	72	53																		
	40	81	70	47																			
	50	68	40																				
Shut-off PSI		61	53	44	35	27	18	9	1														
5	0				116	106	102	96	88	79	73	41							Shut-off 259 ft				
	20		112	105	100	93	85	77	71	64	47												
	30	110	104	99	92	84	76	70	63	43													
	40	103	98	91	82	75	69	61	37														
	50	97	89	81	74	68	58	31															
	60	88	80	73	67	56	24																
Shut-off PSI		103	95	86	77	69	60	51	43	34	25	4											
7.5	0						116	109	105	101	97	83	70	54					Shut-off 387 ft				
	20				114	108	104	100	96	90	85	71	56										
	30			112	107	103	99	95	89	84	78	65	40										
	40		111	106	103	99	94	88	83	77	72	57											
	50	111	106	102	98	93	88	82	76	71	66	43											
	60	105	102	97	92	87	81	76	71	65	59												
Shut-off PSI		159	150	142	133	124	116	107	98	90	81	59	38	16									
10	0							112	109	106	98	88	77	66	50				Shut-off 493 ft				
	20					116	111	108	105	102	99	89	78	67	52								
	30				115	111	107	104	101	98	94	84	73	61	39								
	40			114	110	107	104	101	98	94	89	78	68	54	18								
	50		114	109	106	104	100	97	93	89	84	74	63	42									
	60	113	109	106	103	100	96	92	88	84	79	69	55	22									
Shut-off PSI		205	196	187	179	170	161	153	144	135	127	105	84	62	40	19							
HP	PSI	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950		
15	0						114	107	102	97	89	81	74	68	60	41							Shut-off 727 ft
	20					115	107	103	97	90	82	75	69	61	43								
	30				114	110	105	100	94	86	78	72	66	55	28								
	40			113	110	107	103	98	90	82	75	69	62	45									
	50		113	109	107	105	101	95	87	79	73	66	56	31									
	60	112	109	107	105	103	98	91	83	76	70	63	47										
Shut-off PSI		263	254	245	237	228	206	185	163	142	120	98	77	55	33	12							
20	0							113	107	103	100	94	88	82	76	71	66	58	43			Shut-off 936 ft	
	20						113	107	104	100	95	89	82	76	72	67	59	44					
	30						110	106	102	98	92	86	79	74	69	64	54	33					
	40						114	108	104	100	95	89	83	77	72	67	60	46					
	50						110	106	102	98	93	86	80	74	70	64	55	35					
	60					115	108	104	101	96	90	83	77	72	67	61	47						
Shut-off PSI		353	345	336	327	319	297	275	254	232	210	189	167	145	124	102	80	59	37	15			
25	0			116	112	109	107	104	101	97	93	89	84	79	75	70	65	59	50	38	19	Shut-off 1202 ft	
	20		116	112	109	107	104	101	98	93	89	84	80	75	70	65	59	51	39	21			
	30		114	111	108	106	103	100	96	91	87	82	78	73	68	63	56	46	31				
	40		112	109	107	104	101	98	94	89	85	80	75	71	66	60	51	40	23				
	50	114	111	108	106	103	100	96	92	87	83	78	73	69	63	56	47	33					
	60	113	110	107	105	102	98	94	90	85	80	76	71	66	60	52	41	24					
Shut-off PSI		412	391	369	347	326	304	283	261	239	218	196	174	153	131	109	88	66	44	23	1		

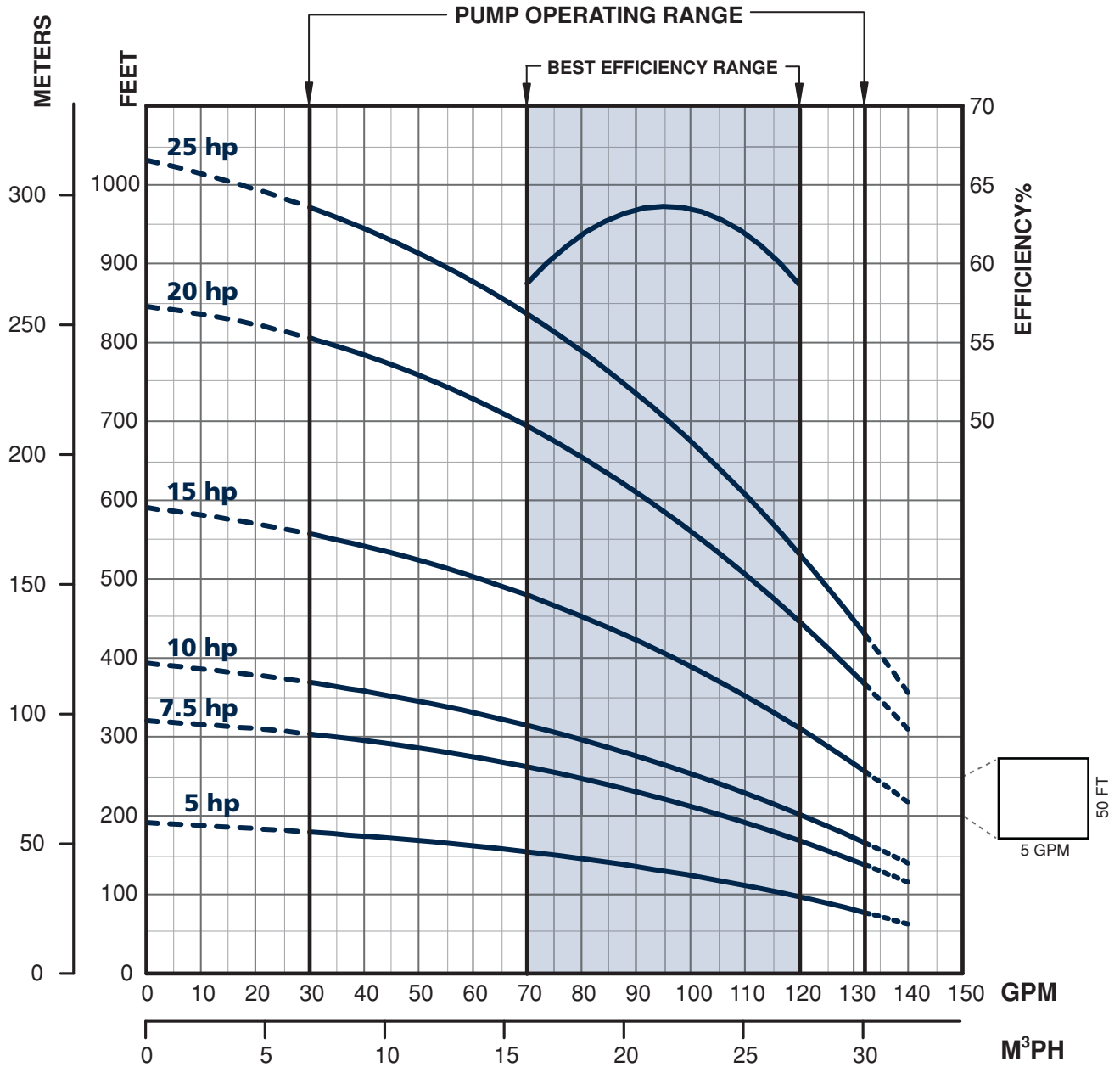
Discharge 3" NPT.

- Notes: 1. Performance shown does not include friction loss in the drop pipe.
2. All performance data is based on rated motor nameplate voltage.

Submersible Pumps

6" High Capacity Pumps

100 GPM Performance Curves



Submersible Pumps

6" High Capacity Pumps 100 GPM Performance Charts

Capacities in U.S. Gallons per Minute

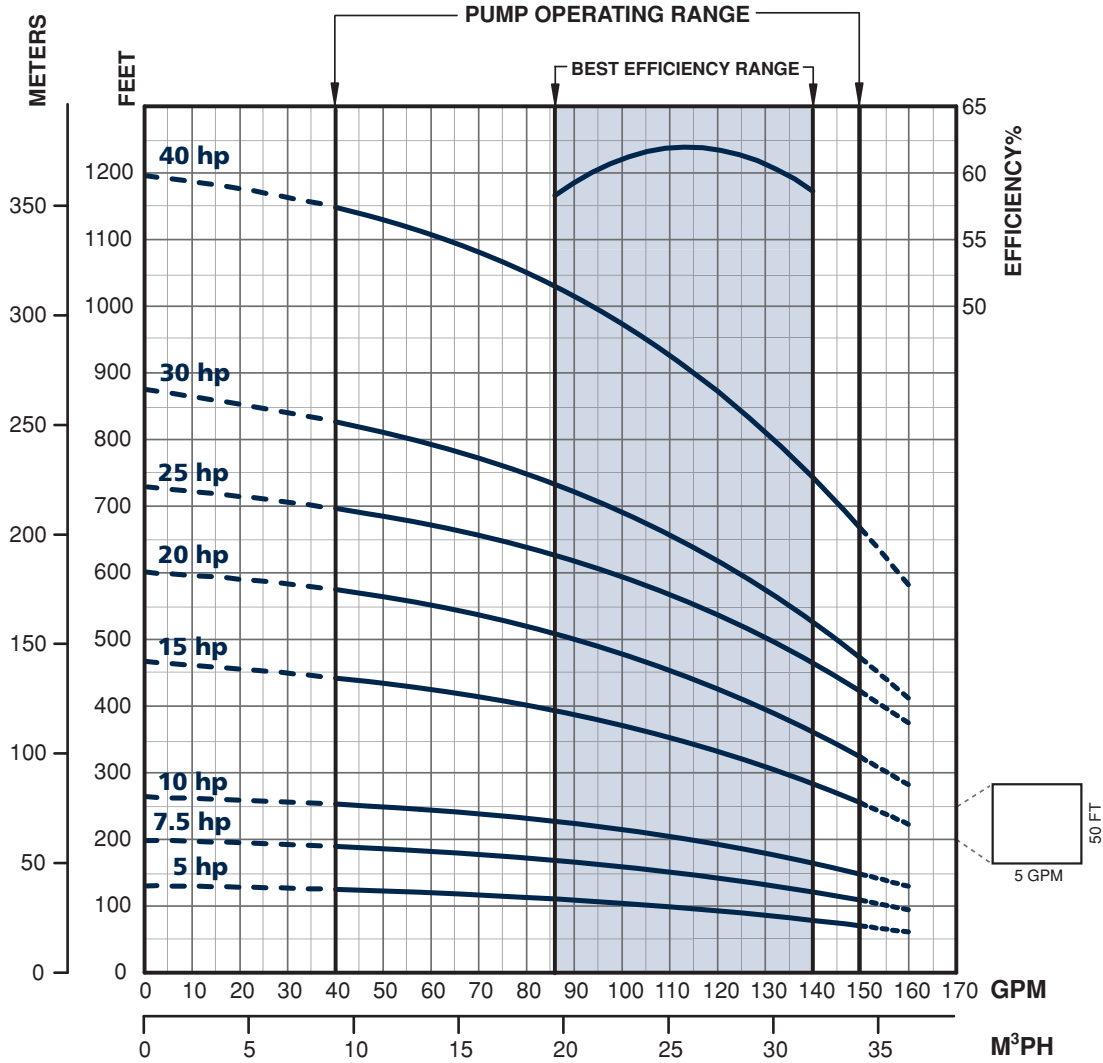
HP	PSI	Depth to Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550
5	0				130	119	104	85	62									
	20		127	115	98	78	54											
	30	125	112	95	75	49												
	40	110	92	71	44													
	50	89	68	38														
	60	64	32															
	70																	
Shut-off PSI		74	65	57	48	39	31	22	13									
7.5	0							131	123	115	107	79	32					
	20					129	121	113	104	93	82	37						
	30				127	120	111	102	92	79	64							
	40			126	118	110	101	90	77	62	42							
	50		125	117	109	99	88	75	59	38								
	60	124	116	107	97	86	73	56	34									
	70	115	106	96	84	71	53	30										
Shut-off PSI		130	121	113	104	95	87	78	69	61	52	30	9					
10	0									127	121	102	79	45				
	20						132	125	118	111	104	81	48					
	30					131	124	117	110	102	94	67	28					
	40				130	123	116	109	101	92	83	51						
	50			129	122	115	108	100	91	81	70	31						
	60		128	121	114	107	99	90	79	68	54							
	70	127	120	113	105	97	88	78	66	52	35							
Shut-off PSI		161	153	144	135	127	118	110	101	92	84	62	40	19				
15	0											123	111	98	82	61	32	
	20											123	112	99	83	62	34	
	30										129	118	107	93	74	51		
	40							132	128	124	113	101	85	64	37			
	50							132	128	124	119	108	94	76	53			
	60					131	127	123	119	114	102	86	66	39				
	70					130	126	122	118	113	109	95	78	55				
Shut-off PSI		247	238	229	221	212	204	195	186	178	169	147	126	104	82	61	39	17
20	0					127	119	111	103	94	82	69	52					
	20				127	120	112	104	94	83	70	53	31					
	30			131	124	116	108	99	89	78	63	44						
	40			128	120	112	104	95	84	71	55	33						
	50		132	124	117	109	100	90	79	64	45							
	60		128	121	113	105	96	85	72	56	35							
	70	132	125	117	109	101	91	80	65	47								
Shut-off PSI		280	258	236	215	193	172	150	128	107	85	63	42					
25	0						130	124	118	111	104	96	87	78	67	53	37	
	20					130	124	118	112	105	97	88	79	68	55	39		
	30					128	122	116	109	101	93	84	74	62	48	30		
	40				130	125	119	112	105	97	89	79	68	56	40			
	50				128	122	116	109	102	94	85	75	63	49	31			
	60			131	125	119	113	106	98	90	80	69	57	41				
	70			128	123	117	110	102	94	85	75	64	50	33				
Shut-off PSI		359	338	316	294	273	251	229	208	186	164	143	121	99				

Discharge 3" NPT.

- Notes: 1. Performance shown does not include friction loss in the drop pipe.
2. All performance data is based on rated motor nameplate voltage.

Submersible Pumps

6" High Capacity Pumps 125 GPM Performance Curves



Capacities in U.S. Gallons per Minute

HP	PSI	20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650	
5	0				140	106	62														
	20		131	94																	
	30	126	88																		
	40	82																			
	Shut-off PSI	48	39	30	22	13	4														
7.5	0						141	122	99	64											
	20				135	116	90	48													
	30		150	133	112	85															
	40	147	130	109	79																
	50	127	105	73																	
	60	101	67																		
	70	60																			
Shut-off PSI	77	69	60	51	43	34	25	17	8												Shut-off 198 ft

Submersible Pumps

6" High Capacity Pumps 125 GPM Performance Charts

HP	PSI	20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550	600	650			
10	0								143	129	114	45										Shut-off 263 ft	
	20						139	125	109	88	54												
	30				149	137	122	106	84	47													
	40			148	135	120	103	79															
	50		146	132	118	100	74																
	60	144	130	115	97	69																	
	70	128	112	93	63																		
Shut-off PSI		105	97	88	79	71	62	53	45	36	27	6											
15	0												134	112	81							Shut-off 467 ft	
	20											135	114	84									
	30										145	126	101	65									
	40								144	137	116	87											
	50						149	143	136	128	104	68											
	60					148	142	134	126	117	89	44											
	70				147	141	133	125	116	106	72												
Shut-off PSI			185	176	168	159	150	142	133	124	116	94	72	51	29								
20	0												143	129	113	91	59					Shut-off 601 ft	
	20											144	130	114	93	62							
	30											138	123	105	81	41							
	40										145	131	115	95	65								
	50										139	124	107	83	45								
	60									146	132	117	97	68									
	70								150	145	140	125	108	85	49								
Shut-off PSI		252	243	234	226	217	208	200	191	182	174	152	130	109	87	65	44	22					
25	0														143	133	119	99	71			Shut-off 734 ft	
	20														144	134	120	101	74				
	30													149	140	128	112	90	57				
	40													145	135	121	103	76					
	50											150	140	129	114	92	60						
	60											146	135	123	104	78	42						
	70											141	130	115	94	63							
Shut-off PSI				292	283	275	266	257	249	240	231	210	188	166	145	123	101	80	58	37			
30	0							143	134	125	113	99	79	54								Shut-off 873 ft	
	20					144	135	126	114	100	81	56											
	30				149	140	131	121	108	92	70	43											
	40				145	136	126	115	101	83	58												
	50			149	141	132	122	109	93	72	45												
	60			145	136	127	116	102	84	60													
	70		150	141	132	122	110	95	74	47													
Shut-off PSI		270	248	226	205	183	161	140	118	96	75	53	31										
40	0									150	144	138	132	125	117	107	95	80				Shut-off 1194 ft	
	20								150	145	139	132	126	118	1108	96	82	62					
	30								148	142	136	129	122	114	103	90	73	52					
	40								145	139	133	126	118	109	97	83	64	40					
	50							148	142	136	130	123	114	104	91	75	53						
	60							145	139	133	127	119	110	98	84	66	42						
	70						149	143	137	130	123	115	105	92	76	55							
Shut-off PSI		409	387	365	344	322	300	279	257	235	214	192	170										

Discharge 3" NPT.

- Notes:** 1. Performance shown does not include friction loss in the drop pipe.
2. All performance data is based on rated motor nameplate voltage.