

Submersible Pumps

6" High Capacity Pumps Features & Ordering Information



J-CLASS SandHandler

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 minimize 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 horsepower units
- One-year unconditional warranty against failure from sand locking in abrasive well conditions

Noryl® is a registered trademark of G.E.



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Christiansted St. Croix 00824
340.778.3156

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Stainless Steel Ordering Information:

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

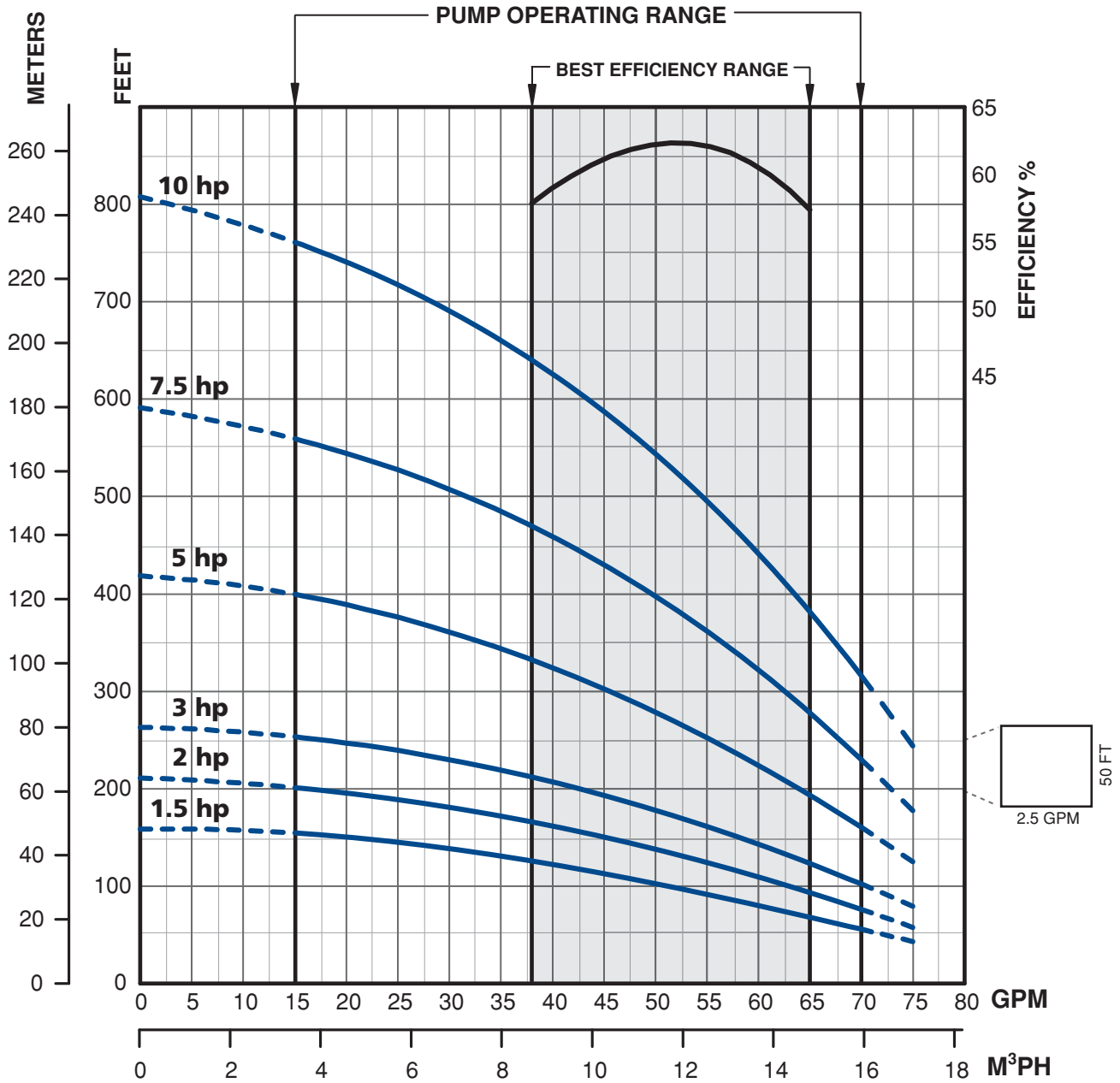
1.5 - 25 HP 6" PUMP ENDS							
GPM	HP	STAGES	MOTOR FIT	ORDERING INFO.		DIMENSIONS	WT.
				MODEL NO.	ORDER NO.	PEA	
50	1.5	3	4"	50JS15S6-PE	94815003	13.51	30
	2	4	4"	50JS2S6-PE	94815004	15.13	31
	3	5	4"	50JS3S6-PE	94815005	16.76	32
	5	8	4" & 6"	50JS5S6-PE	94815008	26.63	36
	7.5	11	4" & 6"	50JS7S6-PE	94815011	26.51	40
	10	15	4" & 6"	50JS10S6-PE	94815015	32.94	46
75	3	3	4"	75JS3S6-PE	94817503	13.51	30
	5	5	4" & 6"	75JS5S6-PE	94817505	16.76	32
	7.5	7	4" & 6"	75JS7S6-PE	94817507	20.01	35
	10	9	4" & 6"	75JS10S6-PE	94817509	23.26	38
	15	13	6"	75JS15S6-PE	94817513	29.76	43
	20	17	6"	75JS20S6-PE	94817517	36.19	48
100	25	23	6"	75JS25S6-PE	94817523	46	54
	5	3	4" & 6"	100JS5S6-PE	94810003	14.62	32
	7.5	5	4" & 6"	100JS7S6-PE	94810005	18.51	32
	10	6	4" & 6"	100JS10S6-PE	94810006	20.49	34
	15	9	6"	100JS15S6-PE	94810009	26.31	38
	20	13	6"	100JS20S6-PE	94810013	34.07	43
125	25	16	6"	100JS25S6-PE	94810016	39.94	47
	5	2	4" & 6"	125JS5S6-PE	94812502	12.94	29
	7.5	3	4" & 6"	125JS7S6-PE	94812503	15.05	30
	10	4	4" & 6"	125JS10S6-PE	94812504	17.13	31
	15	7	6"	125JS15S6-PE	94812507	23.37	35
	20	9	6"	125JS20S6-PE	94812509	27.54	38
	25	11	6"	125JS25S6-PE	94812511	31.70	40
	30	13	6"	125JS30S6-PE	94812513	35.87	43
40	18	6"	125JS40S6-PE	94812518	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



Submersible Pumps

6" High Capacity Pumps 50 gpm Performance

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															
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								
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					
Shut-off PSI		306	298	289	281	272	263	242	220	198	177	155	133	112	90	68	47	25		

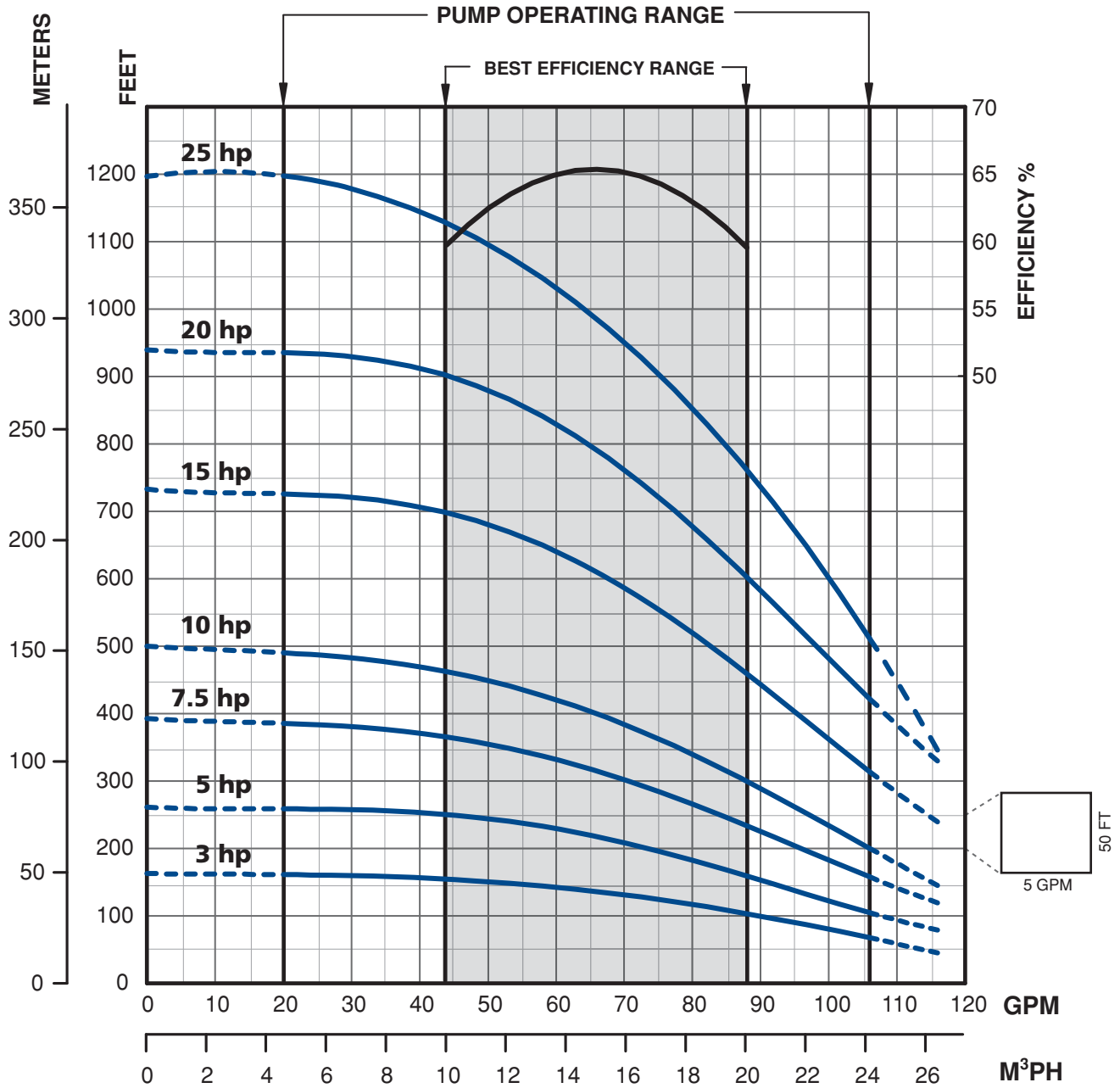
Discharge 3" NPT.

- 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

6" High Capacity Pumps

75 gpm Performance



Submersible Pumps

6" High Capacity Pumps 75 gpm Performance

Capacities in U.S. Gallons per Minute:

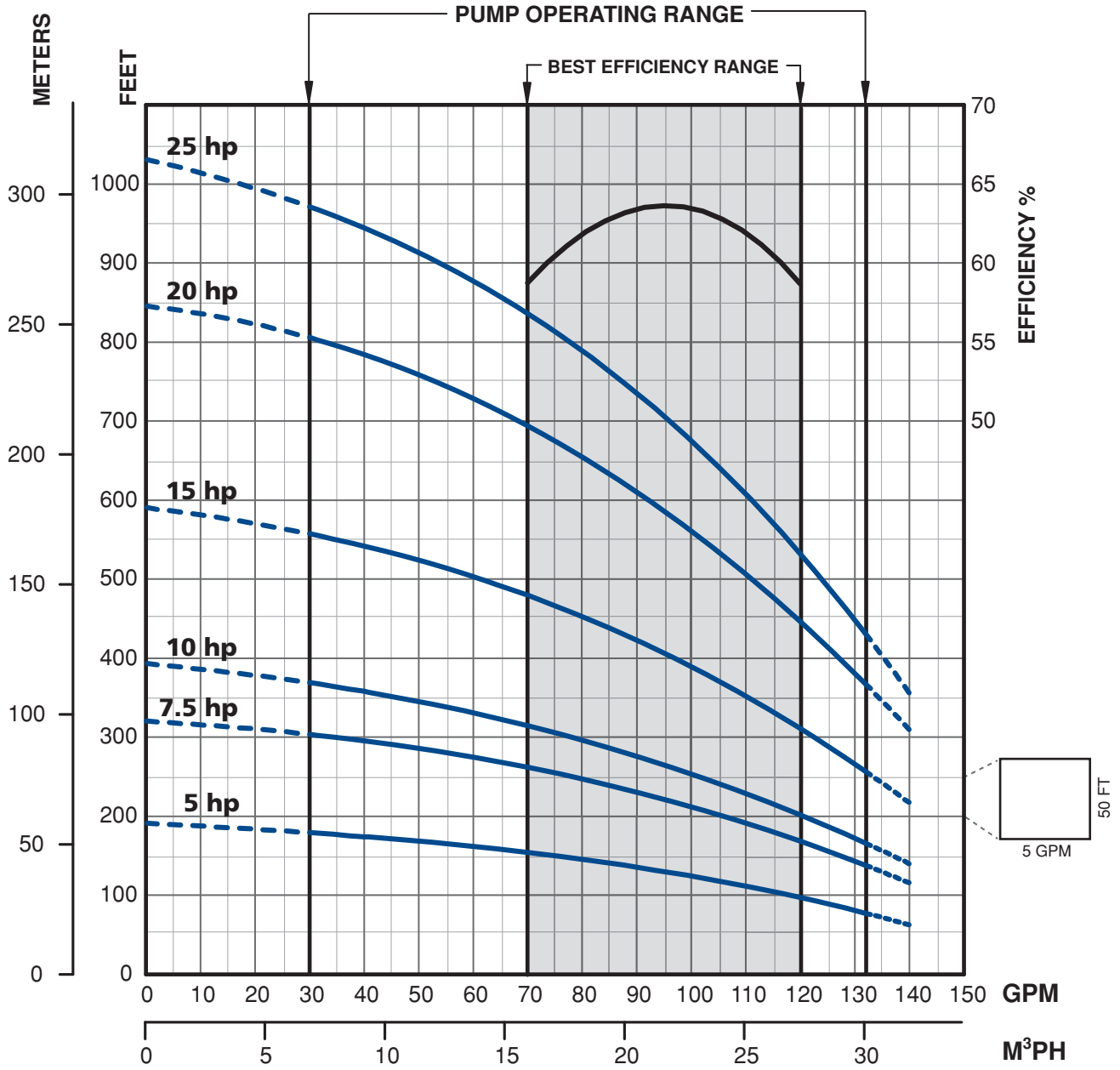
HP	PSI	DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET.																			
		SHADED AREAS INDICATE MOST EFFICIENT PERFORMANCE																			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	550			
3	0			108	101	89	77	64	26												
	20	106	98	85	73	57															
	30	96	83	72	53																
	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									
	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							
	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					
	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					
	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	
	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	
HP	PSI	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
25	0			116	112	109	107	104	101	97	93	89	84	79	75	70	65	59	50	38	19
	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



Submersible Pumps

6" High Capacity Pumps 100 gpm Performance

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										Shut-off 191 ft
	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					Shut-off 320 ft	
	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				Shut-off 393 ft	
	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	Shut-off 590 ft	
	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					130	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					Shut-off 846 ft	
	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		Shut-off 1030 ft	
	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.