

6" TRI-SEAL 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.

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
- High flow hydraulic staging allows for maximum pump output, exceeds all energy efficiency standards, and provides increased product longevity
- Glass-filled modified PPO 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
- Flow ratings of 50, 75, 100, and 125 gpm with TDH up to 1400 ft
- Horsepower ranges from 1-1/2 to 40 hp

MODEL NO. EXPLANATION

Example: 50FH2S6-PE

- 50 = gpm
- FH = Franklin Electric Brand
- 2 = 2 hp
- S = Stainless
- 6 = 6" Submersible
- PE = Pump End



6" TRI-SEAL HIGH CAPACITY PUMPS - ORDERING INFORMATION

ORDERING INFORMATION

6" Tri-Seal High Capacity Pump Ends								
GPM	HP	Stages	Weight (lbs)	Length (in)	Model	Order No.	Basic Model	PEI _{cc} Number
50	1.5	3	30	13.5	50FH15S6-PE	93655003	50S6	1.00
	2	4	31	15.1	50FH2S6-PE	93655004		
	3	5	32	16.8	50FH3S6-PE	93655005		
	5	8	36	21.6	50FH5S6-PE	93655008		
	7.5	11	40	26.5	50FH7S6-PE	93655011		
	10	15	46	32.9	50FH10S6-PE	93655015		
75	15	22	46	47.6	50FH015S6-PE	93655022	75S6	0.99
	3	3	30	13.5	75FH3S6-PE	93657503		
	5	5	32	16.8	75FH5S6-PE	93657505		
	7.5	7	35	20.0	75FH7S6-PE	93657507		
	10	9	38	23.3	75FH10S6-PE	93657509		
	15	13	43	29.8	75FH15S6-PE	93657513		
100	20	17	48	36.2	75FH20S6-PE	93657517	100S6	N/A
	25	23	52	46.0	75FH25S6-PE	93657523		
	5	3	30	15.1	100FH5S6-PE	93650003		
	7.5	5	33	19.2	100FH7S6-PE	93650005		
	10	6	34	21.3	100FH10S6-PE	93650006		
125	15	10	39	29.6	100FH15S6-PE	93650010	125S6	N/A
	20	12	41	33.8	100FH20S6-PE	93650012		
	25	16	47	42.1	100FH25S6-PE	93650016		
	5	2	29	12.9	125FH5S6-PE	93652502		
	7.5	4	31	17.1	125FH7S6-PE	93652504		
	10	5	33	19.2	125FH10S6-PE	93652505		
	15	8	36	25.4	125FH15S6-PE	93652508		
	20	10	39	29.6	125FH20S6-PE	93652510		
25	13	43	35.9	125FH25S6-PE	93652513			
	30	16	46	42.1	125FH30S6-PE	93652516		
	40	20	51	50.4	125FH40S6-PE	93652520		

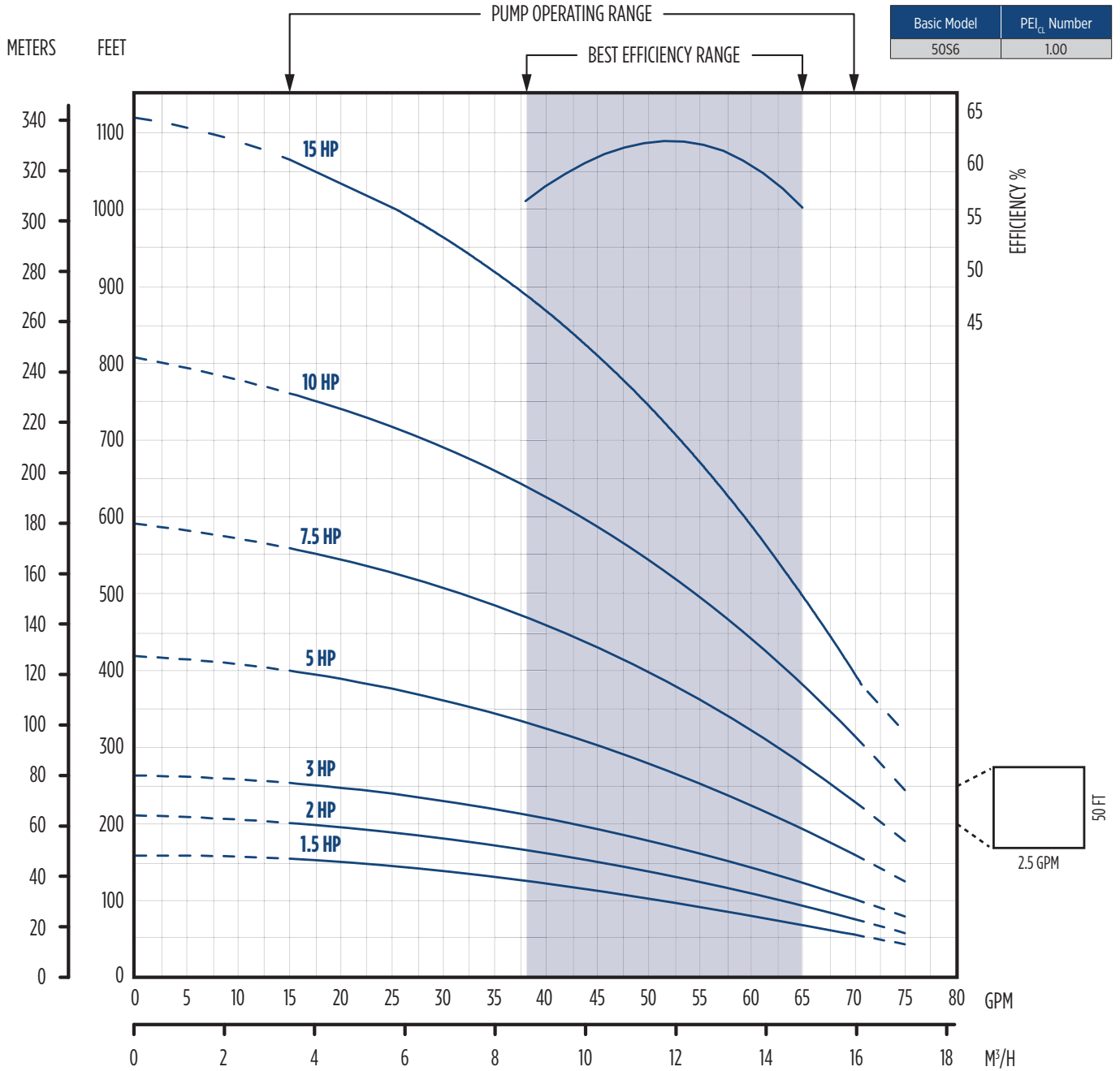
NOTES: Discharge is 3" NPT. Maximum diameter across cable guard is 5.50" on all models.
100 and 125 GPM models are outside the scope of the Department of Energy Pump Efficiency Standards. As such, a Pump Energy Index (PEI) is not required or published.

CROSS REFERENCE

GPM	NEW DOE PEI _{cc} Rated		Original FPS 6" Pump Ends	
	Model	Order No.	Model	Order No.
50	50FH15S6-PE	93655003	50FA15S6-PE	94825003
	50FH2S6-PE	93655004	50FA2S6-PE	94825004
	50FH3S6-PE	93655005	50FA3S6-PE	94825005
	50FH5S6-PE	93655008	50FA5S6-PE	94825008
	50FH7S6-PE	93655011	50FA7S6-PE	94825011
	50FH10S6-PE	93655015	50FA10S6-PE	94825015
75	50FH015S6-PE	93655022	-	-
	75FH3S6-PE	93657503	75FA3S6-PE	94827503
	75FH5S6-PE	93657505	75FA5S6-PE	94827505
	75FH7S6-PE	93657507	75FA7S6-PE	94827507
	75FH10S6-PE	93657509	75FA10S6-PE	94827509
	75FH15S6-PE	93657513	75FA15S6-PE	94827513
	75FH20S6-PE	93657517	75FA20S6-PE	94827517
	75FH25S6-PE	93657523	75FA25S6-PE	94827523
100	100FH5S6-PE	93650003	100FA5S6-PE	94820003
	100FH7S6-PE	93650005	100FA7S6-PE	94820005
	100FH10S6-PE	93650006	100FA10S6-PE	94820006
	100FH15S6-PE	93650010	100FA15S6-PE	94820009
	100FH20S6-PE	93650012	100FA20S6-PE	94820013
	100FH25S6-PE	93650016	100FA25S6-PE	94820016
125	125FH5S6-PE	93652502	125FA5S6-PE	94822502
	125FH7S6-PE	93652504	125FA7S6-PE	94822503
	125FH10S6-PE	93652505	125FA10S6-PE	94822504
	125FH15S6-PE	93652508	125FA15S6-PE	94822507
	125FH20S6-PE	93652510	125FA20S6-PE	94822509
	125FH25S6-PE	93652513	125FA25S6-PE	94822511
	125FH30S6-PE	93652516	125FA30S6-PE	94822513
	125FH40S6-PE	93652520	125FA40S6-PE	94822518

6" TRI-SEAL HIGH CAPACITY PUMPS - 50 GPM

PERFORMANCE



6" TRI-SEAL HIGH CAPACITY PUMPS - 50 GPM

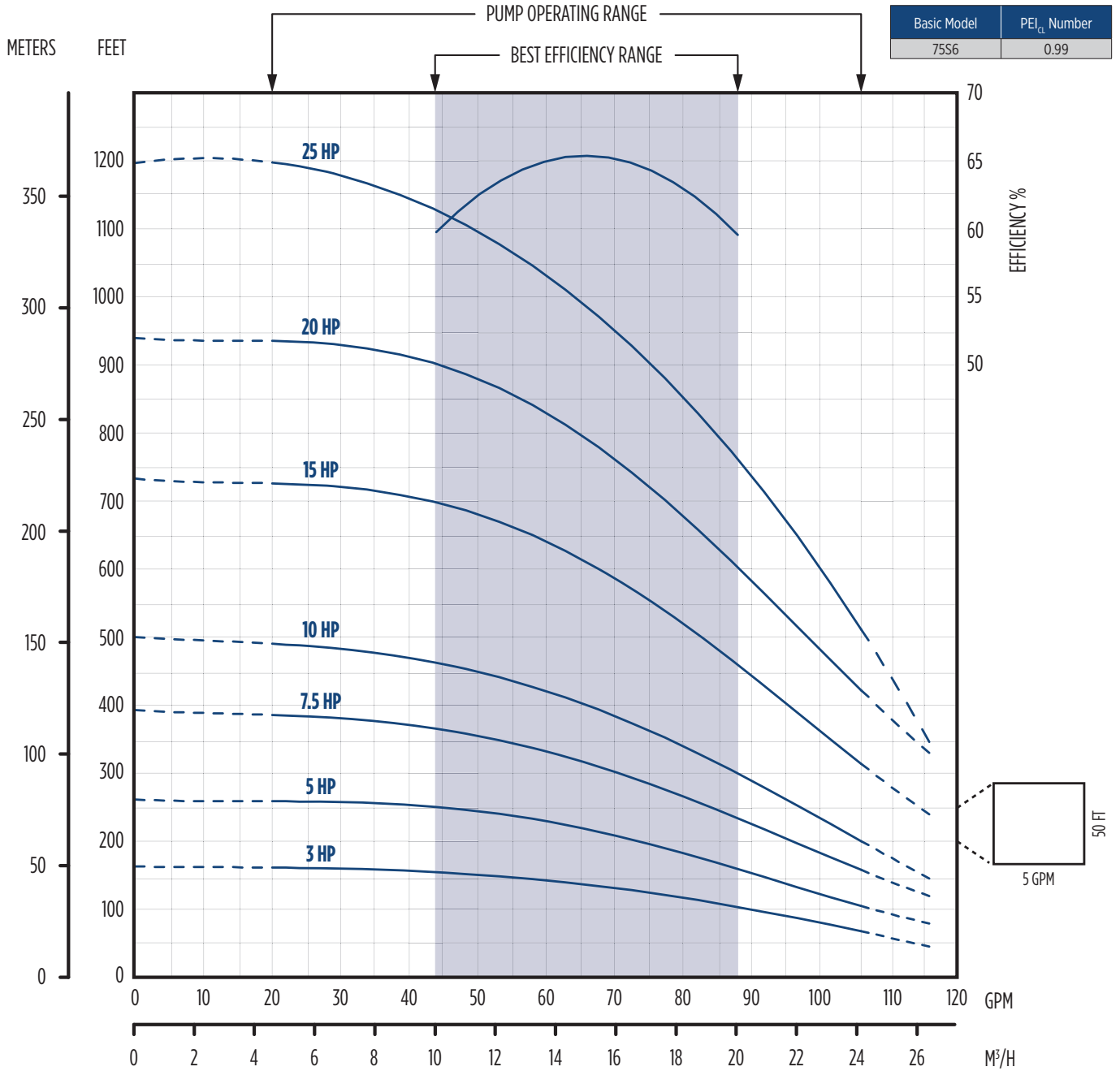
PERFORMANCE

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance.																	Shut-Off (ft)			
		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														
	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											
	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										
	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								
	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				
	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				
10	0											68	64	59	54	49	43	37	28	18		
	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				
15	0								80	78	76	74	72	70	68	65	62	59	56	53	49	46
	20						79	78	77	76	74	72	70	68	65	62	59	56	53	50	46	42
	40			80	79	78	77	76	75	74	72	70	68	65	63	60	57	53	50	46	43	38
	60	80	78	77	76	75	74	73	72	71	70	68	66	63	60	57	54	50	47	43	39	34
	80	77	76	75	75	74	73	72	71	70	68	66	63	60	57	54	50	47	43	39	34	29
	100	75	74	73	73	72	71	70	69	68	66	63	60	57	54	51	47	43	39	35	29	22
	120	73	72	72	71	70	69	68	67	66	64	61	58	54	51	47	44	40	35	30	23	14
	140	71	71	70	69	68	67	66	65	64	61	58	55	51	48	44	40	36	30	23	14	3
Shut-off PSI		67	66	65	64	62	62	61	59	58	55	52	48	45	41	36	31	24	16	5		
									411	402	380	359	337	315	294	272	250	229	207	186	164	142

NOTES: Discharge 3" NPT; Performance shown does not include friction loss in the drop pipe; All performance data is based on rated motor nameplate voltage

6" TRI-SEAL HIGH CAPACITY PUMPS - 75 GPM

PERFORMANCE



6" TRI-SEAL HIGH CAPACITY PUMPS - 75 GPM

PERFORMANCE

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance.																		Shut-Off (ft)
		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												
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								
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						
Shut-off PSI		205	196	187	179	170	161	153	144	135	127	105	84	62	40	19				

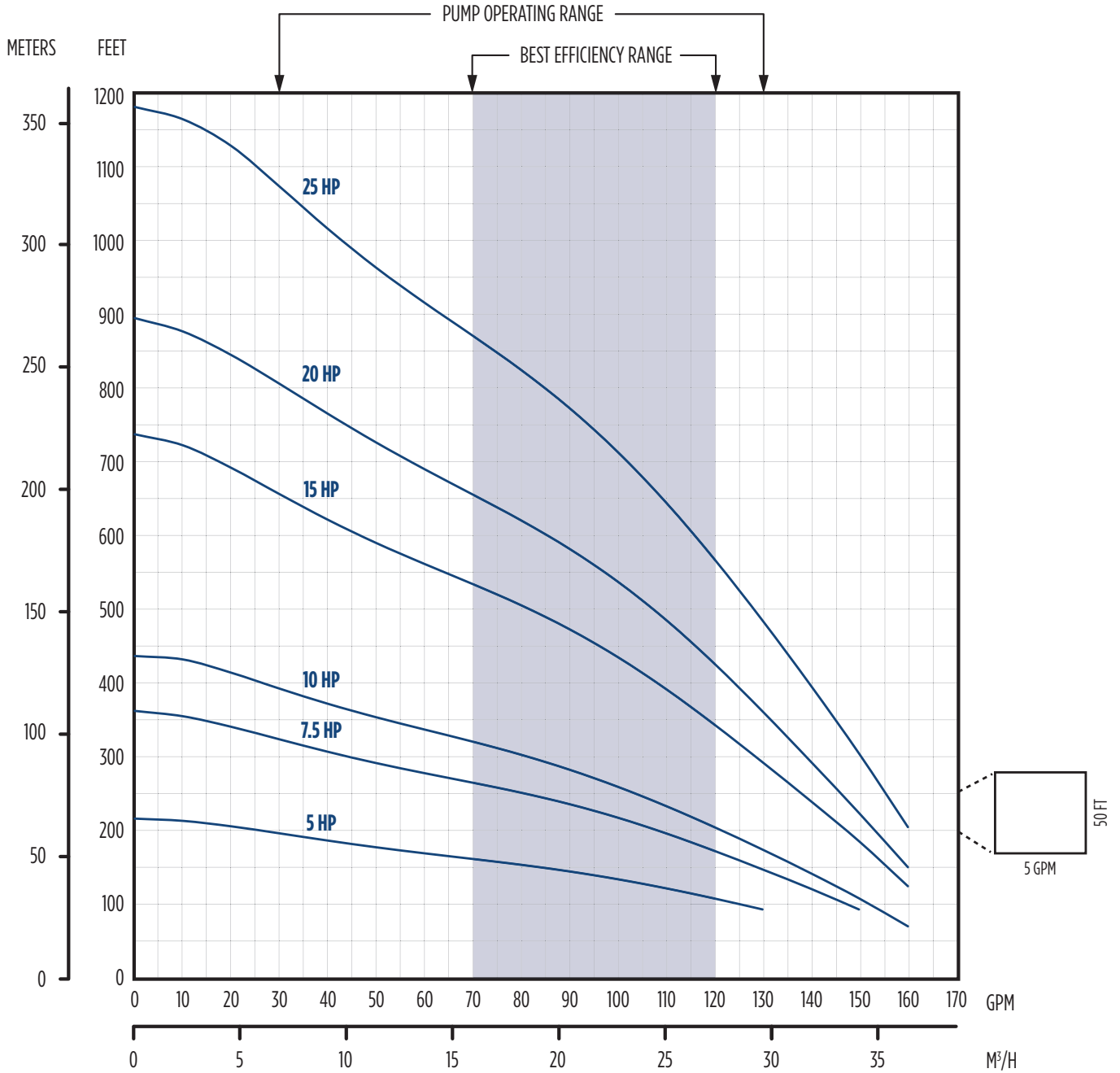
HP	PSI	120	140	160	180	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	Shut-Off (ft)
15	0					114	107	102	97	89	81	74	68	60	41							
	20					115	107	103	97	90	82	75	69	61	43							
	30				114	110	105	100	94	86	78	72	66	55	28							
	40			113	110	107	103	98	90	82	75	69	62	45								
	50		113	109	107	105	101	95	87	79	73	66	56	31								
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				
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	Shut-Off (ft)
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				
Shut-off PSI		412	391	369	347	326	304	283	261	239	218	196	174	153	131	109	88	66	44	23	1	

NOTES: Discharge 3" NPT; Performance shown does not include friction loss in the drop pipe; All performance data is based on rated motor nameplate voltage

6" TRI-SEAL HIGH CAPACITY PUMPS - 100 GPM

PERFORMANCE



6" TRI-SEAL HIGH CAPACITY PUMPS - 100 GPM

PERFORMANCE

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance.																Shut-Off (ft)	
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400		
5	0						125	110	92	72	48								
	10					123	107	89	68	44									
	20				120	105	86	64	40										
	30		132	118	102	83	61	36											
	40	130	116	99	80	57	32												
	50	113	96	76	53														
	60	93	73	50															
	70	70	46																
	80	42																	
Shut-off PSI		94	85	76	68	59	50	42	33	24	16								
7.5	0											117	107	85	59	30			
	10											115	106	95	71	42			
	20							123	114	104	93	82	55						
	30						121	112	102	92	80	66	38						
	40					120	111	101	90	78	64	50							
	50				119	109	99	88	76	62	48	33							
	60			117	108	98	86	74	60	46	31								
	70		116	106	96	84	72	58	43										
	80	114	105	94	82	69	56	41											
Shut-off PSI		156	147	139	130	121	113	104	95	87	78	69	52	35	17				
10	0											128	121	106	89	69	47		
	10											127	120	113	96	78	56	33	
	20									126	119	111	103	86	66	43			
	30							131	125	118	110	102	94	74	53				
	40						130	124	117	109	101	92	83	62	39				
	50					129	123	115	108	100	91	81	71	49					
	60				128	121	114	106	98	89	80	70	59	36					
	70		127	120	113	105	97	88	78	68	57	46							
	80	126	119	112	104	95	86	77	66	55	44	32							
Shut-off PSI		187	179	170	161	153	144	135	127	118	110	101	84	66	49	32			
15	0										124	116	106	96	85	79	64	47	29
	10									128	120	110	101	90	78	72	56	39	
	20								131	123	114	105	95	83	71	65	48	31	
	30								127	118	109	99	88	76	64	57	40		
	40							130	122	113	103	93	82	69	56	49	32		
	50					129	125	117	107	97	86	75	62	48	41				
	60				129	125	121	112	102	91	80	67	54	40	33				
	70		132	128	124	120	115	106	96	85	73	60	46	32					
	80	132	128	123	119	115	110	100	89	78	65	52	38						
Shut-off PSI		273	264	255	247	238	229	212	195	177	160	143	126	108	100	78	56	35	
20	0							130	123	117	109	105	95	83	71	57	43		
	10						133	126	120	112	105	100	90	78	65	51	36		
	20						129	122	115	108	100	96	84	72	58	44	29		
	30					132	125	118	111	103	95	90	79	66	52	37			
	40					128	121	114	107	98	90	85	73	59	45	30			
	50				131	124	117	110	102	93	84	80	67	53	38				
	60				127	120	113	105	97	88	79	74	61	46	32				
	70			130	123	116	109	101	92	83	73	68	54	40					
	80	132	129	126	119	112	104	96	87	77	67	62	47	33					
Shut-off PSI		314	306	297	280	262	245	228	210	193	176	167	145	124	102	81	59		
25	0					130	128	121	115	107	100	92	83	74	64	53	42	31	
	10				132	127	125	118	111	104	96	88	79	69	59	48	37	26	
	20				129	124	122	115	108	100	92	84	74	65	54	43	32	21	
	30				131	127	121	119	112	104	97	88	79	70	60	49	38		
	40				129	124	118	116	108	101	93	84	75	65	55	44	33		
	50			131	126	121	115	112	105	97	89	80	71	61	50	39			
	60	133	128	123	117	112	109	102	93	85	76	66	56	45	34				
	70	130	125	120	114	109	106	98	90	81	71	61	51	40					
	80	127	122	117	111	105	102	94	86	77	67	57	46	35					
Shut-off PSI		368	351	333	316	299	290	268	247	225	203	182	160	139	117	95	74	52	

6" TRI-SEAL HIGH CAPACITY PUMPS - 125 GPM

PERFORMANCE

