

SUBMERSIBLE PUMPS

4" TRI-SEAL HIGH CAPACITY PUMPS

FEATURES

- Four performance ranges: 35, 45, 60, and 90 gpm
- 2" NPT discharge, with and without an internal stainless steel wafer-style check valve
- Stainless steel discharge head and motor bracket
- High flow hydraulic staging allows for maximum pump output, exceeds all energy efficiency standards, and provides increased product longevity
- Ceramic shaft sleeve and rubber discharge bearing eliminates sand wear
- Intermediate bearing for increased shaft stability when pump lengths dictate on high horse, high performance constructions
- Impeller eye and hub seals for improved performance and efficiency
- Stainless steel hex pump shaft, shell, and shaft coupling
- High capacity upthrust assembly for protection during start-up and operation (35, 45, 60, and 90 gpm models)
- Designed for optimal performance when powered by Franklin's corrosion-resistant 4" submersible motors

MODEL NO. EXPLANATION

Example: 60FH10S4-PE

- 60 = gpm
- FH = Franklin Electric Brand
- 10 = 10 hp
- S = Stainless
- 4 = 4" Submersible
- PE = Pump End



CSA CERTIFIED
PUMP END ONLY



NSF/ANSI 61
Drinking Water

SUBMERSIBLE PUMPS

4" TRI-SEAL HIGH CAPACITY PUMPS



ORDER INFORMATION

35-90 GPM PUMP ENDS

1 - 10 HP 4" High Capacity Pump Ends													
GPM	HP	Stages	Model	Order No.	Check Valve in 2" NPT Discharge	Basic Model	PEI _{CL} Number	Dimensions (in) Pump End Only	Wt. (lbs)				
35	1	5	35FHIS4-PE	93653505	No	35S4	0.83	11.9	8				
	1.5	7	35FHIS4-PE	93653507				14.5	9				
	2	9	35FH2S4-PE	93653509				17	10				
	3	12	35FH3S4-PE	93653512				20.9	11				
	5	20	35FH5S4-PE	93653520				22.2	16				
	7.5	29	35FH7S4-PE	93653529				44.5	23				
	10	38	35FH10S4-PE	93653538	Yes			58.5	29				
	1	5	35FHIS4-PECV	93663505				14.1	9				
	1.5	7	35FHIS4-PECV	93663507				16.7	10				
	2	9	35FH2S4-PECV	93663509				19.2	11				
	3	12	35FH3S4-PECV	93663512				23	12				
	5	20	35FH5S4-PECV	93663520				35.5	17				
	7.5	29	35FH7S4-PECV	93663529				47	24				
	10	38	35FH10S4-PECV	93663538				60.7	30				
45	1.5	5	45FHIS4-PE	93654505	No	45S4	0.89	14.2	8				
	2	7	45FH2S4-PE	93654507				17.6	9				
	3	10	45FH3S4-PE	93654510				22.8	10				
	5	16	45FH5S4-PE	93654516				35.3	14				
	7.5	23	45FH7S4-PE	93654523				47.4	22				
	10	31	45FH10S4-PE	93654531				63.3	28				
	1.5	5	45FHIS4-PECV	93664505	Yes			16.3	9				
	2	7	45FH2S4-PECV	93664507				19.8	10				
	3	10	45FH3S4-PECV	93664510				25	11				
	5	16	45FH5S4-PECV	93664516				37.4	15				
	7.5	23	45FH7S4-PECV	93664523				49.5	23				
	10	31	45FH10S4-PECV	93664531				65.5	29				
	60	2	7	60FH2S4-PE				93656007	No	60S4	0.94	23.5	10
		3	10	60FH3S4-PE				93656010				33.3	12
5		16	60FH5S4-PE	93656016	48.8	18							
7.5		23	60FH7S4-PE	93656023	68.8	25							
10		30	60FH10S4-PE	93656030	Yes	86.9	31						
2		7	60FH2S4-PECV	93666007		25.7	11						
3		10	60FH3S4-PECV	93666010		35.4	13						
5		16	60FH5S4-PECV	93666016		50.9	19						
7.5		23	60FH7S4-PECV	93666023		71	26						
10		30	60FH10S4-PECV	93666030		89	32						
90	2	6	90FH2S4-PE	93659006	No	90S4	0.92	23.4	10				
	3	8	90FH3S4-PE	93659008				31.4	12				
	5	13	90FH5S4-PE	93659013				46.3	17				
	7.5	19	90FH7S4-PE	93659019				66.2	23				
	10	25	90FH10S4-PE	93659025	Yes			84.2	29				
	2	6	90FH2S4-PECV	93669006				25.6	11				
	3	8	90FH3S4-PECV	93669008				33.6	13				
	5	13	90FH5S4-PECV	93669013				48.5	18				
	7.5	19	90FH7S4-PECV	93669019				68.4	24				
	10	25	90FH10S4-PECV	93669025				86.3	30				

NOTES: Maximum diameter across cable guard is 3.90" on all models.

ORDER INFORMATION

35-90 GPM PUMP & MOTOR

1 - 1.5 HP Single-Phase Units (2-Wire PMA)									
GPM	HP	Stages	Volts	Model	Order No.	Check Valve in 2" NPT Discharge	Basic Model	PEI _{CL} Number	Wt. (lbs)
35	1	5	230	35FHIS4-2W230	93673505	No	35S4	0.83	32
	1.5	7		35FHIS4-2W230	93673507				40
	1	5		35FHIS4-2W230-CV	93693505	Yes			33
	1.5	7		35FHIS4-2W230-CV	93693507				41
45	1.5	5	230	45FHIS4-2W230	93674505	No	45S4	0.89	40
	1.5	5		45FHIS4-2W230-CV	93694505	Yes			41
1 - 1.5 HP Single-Phase Units (3-Wire PMA)									
35	1	5	230	35FHIS4-3W230	93703505	No	35S4	0.83	32
	1.5	7		35FHIS4-3W230	93703507				40
	1	5		35FHIS4-3W230-CV	93713505	Yes			33
	1.5	7		35FHIS4-3W230-CV	93713507				41
45	1.5	5	230	45FHIS4-3W230	93704505	No	45S4	0.89	40
	1.5	5		45FHIS4-3W230-CV	93714505	Yes			41

SUBMERSIBLE PUMPS

4" TRI-SEAL HIGH CAPACITY PUMPS



MODEL CROSS REFERENCE

DOE COMPLIANT VS ORIGINAL FPS PUMP ENDS

1 - 10 HP 4" High Capacity Pump Ends					
GPM	Check Valve in 2" NPT Discharge	Tri-Seal High Capacity, DOE PEL _{CL} Rated		Original FPS (Discontinued, replaced by Tri-Seal High Capacity)	
		Model	Order No.	Model	Order No.
35	No	35FH1S4-PE	93653505	35FA1S4-PE	93613506
		35FH1S4-PE	93653507	35FA1S4-PE	93613508
		35FH2S4-PE	93653509	35FA2S4-PE	93613510
		35FH3S4-PE	93653512	35FA3S4-PE	93613514
		35FH5S4-PE	93653520	35FA5S4-PE	93613522
		35FH7S4-PE	93653529	35FA7S4-PE	93613534
		35FH10S4-PE	93653538	35FA10S4-PE	93613542
	Yes	35FH1S4-PECV	93663505	35FA1S4-PE W/ Check Valve	90653506
		35FH1S4-PECV	93663507	35FA1S4-PE W/ Check Valve	90653508
		35FH2S4-PECV	93663509	35FA2S4-PE W/ Check Valve	90653510
		35FH3S4-PECV	93663512	35FA3S4-PE W/ Check Valve	90653514
		35FH5S4-PECV	93663520	35FA5S4-PE W/ Check Valve	90653522
		35FH7S4-PECV	93663529	35FA7S4-PE W/ Check Valve	90653534
		35FH10S4-PECV	93663538	35FA10S4-PE W/ Check Valve	90653542
45	No	45FH1S4-PE	93654505	45FA1S4-PE	93614506
		45FH2S4-PE	93654507	45FA2S4-PE	93614508
		45FH3S4-PE	93654510	45FA3S4-PE	93614511
		45FH5S4-PE	93654516	45FA5S4-PE	93614518
		45FH7S4-PE	93654523	45FA7S4-PE	93614526
		45FH10S4-PE	93654531	45FA10S4-PE	93614531
		45FH1S4-PECV	93664505	45FA1S4-PE W/ Check Valve	90654506
	Yes	45FH2S4-PECV	93664507	45FA2S4-PE W/ Check Valve	90654508
		45FH3S4-PECV	93664510	45FA3S4-PE W/ Check Valve	90654511
		45FH5S4-PECV	93664516	45FA5S4-PE W/ Check Valve	90654518
		45FH7S4-PECV	93664523	45FA7S4-PE W/ Check Valve	90654526
		45FH10S4-PECV	93664531	45FA10S4-PE W/ Check Valve	90654531
60	No	60FH2S4-PE	93656007	60FA2S4-PE	93616006
		60FH3S4-PE	93656010	60FA3S4-PE	93616008
		60FH5S4-PE	93656016	60FA5S4-PE	93616013
		60FH7S4-PE	93656023	60FA7S4-PE	93616017
		60FH10S4-PE	93656030	60FA10S4-PE	93616024
		60FH2S4-PECV	93666007	60FA2S4-PE W/ Check Valve	90656006
		60FH3S4-PECV	93666010	60FA3S4-PE W/ Check Valve	90656008
	Yes	60FH5S4-PECV	93666016	60FA5S4-PE W/ Check Valve	90656013
		60FH7S4-PECV	93666023	60FA7S4-PE W/ Check Valve	90656017
		60FH10S4-PECV	93666030	60FA10S4-PE W/ Check Valve	90656024
90	No	90FH2S4-PE	93659006	90FA2S4-PE	93619005
		90FH3S4-PE	93659008	90FA3S4-PE	93619007
		90FH5S4-PE	93659013	90FA5S4-PE	93619012
		90FH7S4-PE	93659019	90FA7S4-PE	93619019
		90FH10S4-PE	93659025	90FA10S4-PE	93619020
		90FH2S4-PECV	93669006	90FA2S4-PE W/ Check Valve	90659005
		90FH3S4-PECV	93669008	90FA3S4-PE W/ Check Valve	90659007
	Yes	90FH5S4-PECV	93669013	90FA5S4-PE W/ Check Valve	90659012
		90FH7S4-PECV	93669019	90FA7S4-PE W/ Check Valve	90659019
		90FH10S4-PECV	93669025	90FA10S4-PE W/ Check Valve	90659020

MODEL CROSS REFERENCE

DOE COMPLIANT VS ORIGINAL FPS PUMP & MOTOR

1 - 1.5 HP Single-Phase Units (2-Wire PMA)					
GPM	Check Valve in 2" NPT Discharge	Tri-Seal High Capacity, DOE PEL _{CL} Rated		Original FPS (Discontinued, replaced by Tri-Seal High Capacity)	
		Model	Order No.	Model	Order No.
35	No	35FH1S4-2W230	93673505	35FA1S4-2W230	93613606
		35FH1S4-2W230	93673507	35FA1S4-2W230	93613608
	Yes	35FH1S4-2W230-CV	93693505	35FA1S4-2W230 W/ CV	90653606
		35FH1S4-2W230-CV	93693507	35FA1S4-2W230 W/ CV	90653608
45	No	45FH1S4-2W230	93674505	45FA1S4-2W230	93614606
	Yes	45FH1S4-2W230-CV	93694505	45FA1S4-2W230 W/ CV	90654606
1 - 1.5 HP Single-Phase Units (3-Wire PMA)					
35	No	35FH1S4-3W230	93703505	35FA1S4-3W230	93613706
		35FH1S4-3W230	93703507	35FA1S4-3W230	93613708
	Yes	35FH1S4-3W230-CV	93713505	35FA1S4-3W230 W/ CV	90653706
		35FH1S4-3W230-CV	93713507	35FA1S4-3W230 W/ CV	90653708
45	No	45FH1S4-3W230	93704505	45FA1S4-3W230	93614706
	Yes	45FH1S4-3W230-CV	93714505	45FA1S4-3W230 W/ CV	90654706

SUBMERSIBLE PUMPS

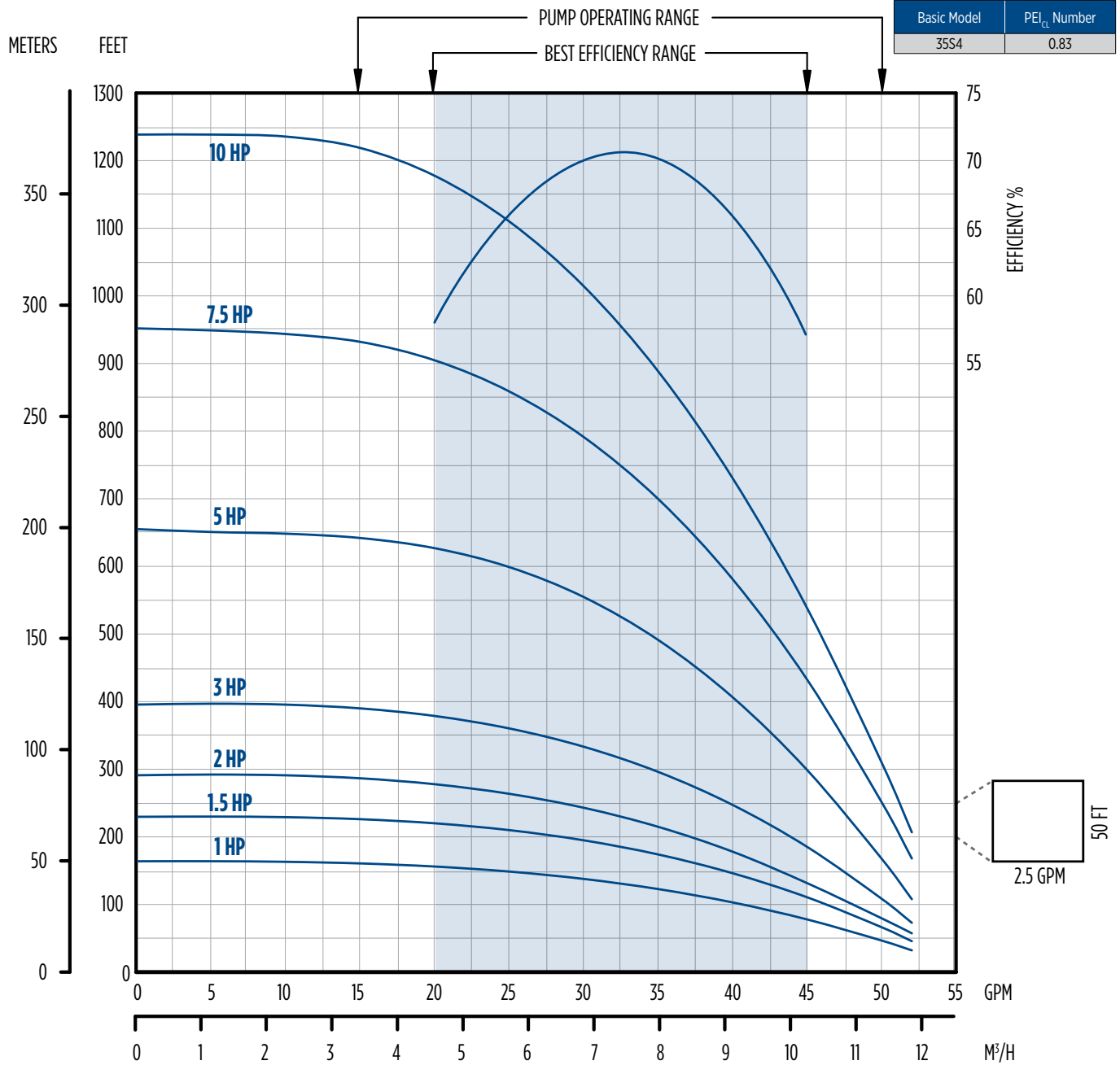
4" TRI-SEAL HIGH CAPACITY PUMPS



Franklin Electric

PERFORMANCE

35 GPM



SUBMERSIBLE PUMPS

4" TRI-SEAL HIGH CAPACITY PUMPS



PERFORMANCE

35 GPM

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance.																		
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	Shut-Off (ft)
1	0					44	40	35	28											161
	10				44	39	34	27												
	20			43	39	33	25													
	30		42	38	32	23														
	40	42	37	31																
	50	36	30																	
	60	29																		
	70																			
	80																			
Shut-off PSI		70	61	52	44	35	26	18	9											
1.5	0					46	43	40	37	33	28								230	
	10				45	43	40	36	32	26										
	20			45	42	39	35	31	24											
	30		44	42	39	35	30	23												
	40	44	41	38	34	29	21													
	50	41	37	33	28															
	60	37	33	27																
	70	32	26																	
	80																			
Shut-off PSI		100	91	82	74	65	56	48	39	30	22	13								
2	0							44	42	40	37	30							300	
	10						44	42	39	36	33	25								
	20				46	43	41	39	36	33	29									
	30			45	43	41	38	35	32	28	23									
	40			45	43	40	38	35	32	27	22									
	50		45	42	40	37	34	31	27	20										
	60	44	42	40	37	34	30	26												
	70	42	39	37	33	30	25													
	80	39	36	33	29	24														
Shut-off PSI		130	121	113	104	95	87	78	69	61	52	43	26							
3	0								45	43	40	37	32	25					400	
	10							45	43	42	38	34	28							
	20							45	43	42	40	36	31	23						
	30						44	43	41	40	38	33	27							
	40					44	43	41	39	37	35	30								
	50			45	44	42	41	39	37	35	32	26								
	60			45	44	42	41	39	37	34	32	29								
	70		45	44	42	40	38	36	34	31	28	24								
	80	45	43	42	40	38	36	34	31	28	23									
Shut-off PSI		173	165	156	147	139	130	121	113	104	95	87	69	52	35	17				

HP	PSI	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	Shut-Off (ft)
5	0								44	42	40	38	36	34	30	24					650
	10							45	43	41	39	37	34	32	28	20					
	20							44	42	40	38	35	32	30	25						
	30						45	43	41	39	36	33	30	28	21						
	40					45	44	42	40	37	35	32	28	25							
	50				45	44	42	41	38	36	33	29	25	22							
	60			45	44	43	41	39	37	34	31	27	21								
	70		45	44	43	42	40	38	35	32	29	24									
	80	45	44	43	42	41	39	37	34	30	26										
Shut-off PSI		229	221	212	203	195	177	160	143	126	108	91	74	65	43	22					

HP	PSI	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	Shut-Off (ft)
7.5	0						45	43	43	41	39	37	35	32	29	25	20						950
	10						44	43	42	40	38	36	34	31	28	23							
	20					45	43	42	41	39	37	35	33	30	26	21							
	30				45	44	43	41	40	38	36	34	31	28	24								
	40			46	44	43	42	40	40	38	35	33	30	26	21								
	50			45	44	42	41	39	39	37	34	31	28	24									
	60		45	44	43	42	40	39	38	35	33	30	26	22									
	70		45	43	42	41	39	38	37	34	32	28	24										
	80	45	44	43	41	40	38	37	36	33	30	27	22										
Shut-off PSI		307	290	273	255	238	221	203	195	173	152	130	108	87	65	43	22						
10	0									45	43	42	41	39	38	36	35	33	31	28	25	22	1250
	10								45	44	43	42	40	39	37	35	34	32	29	27	24	20	
	20							45	45	44	43	42	41	40	38	36	35	33	31	28	26	22	
	30						45	44	44	43	42	40	39	37	36	34	32	30	27	24	20		
	40						45	44	44	42	41	40	38	37	35	33	31	28	26	22			
	50					46	45	44	43	42	40	39	37	36	34	32	30	27	24	21			
	60				46	45	44	43	42	41	40	38	37	35	33	31	29	26	23				
	70				45	44	43	42	42	41	39	38	36	34	32	30	28	25	21				
	80				46	45	44	43	42	41	40	38	37	35	33	31	29	26	23				
Shut-off PSI				403	385	368	351	333	325	303	281	260	238	216	195	173	152	130	108	87	65	43	

NOTES: Performance shown does not include friction loss in the drop pipe. All performance data is based on rated motor nameplate voltage. Performance shown is based on a pump without check valve.

SUBMERSIBLE PUMPS

4" TRI-SEAL HIGH CAPACITY PUMPS

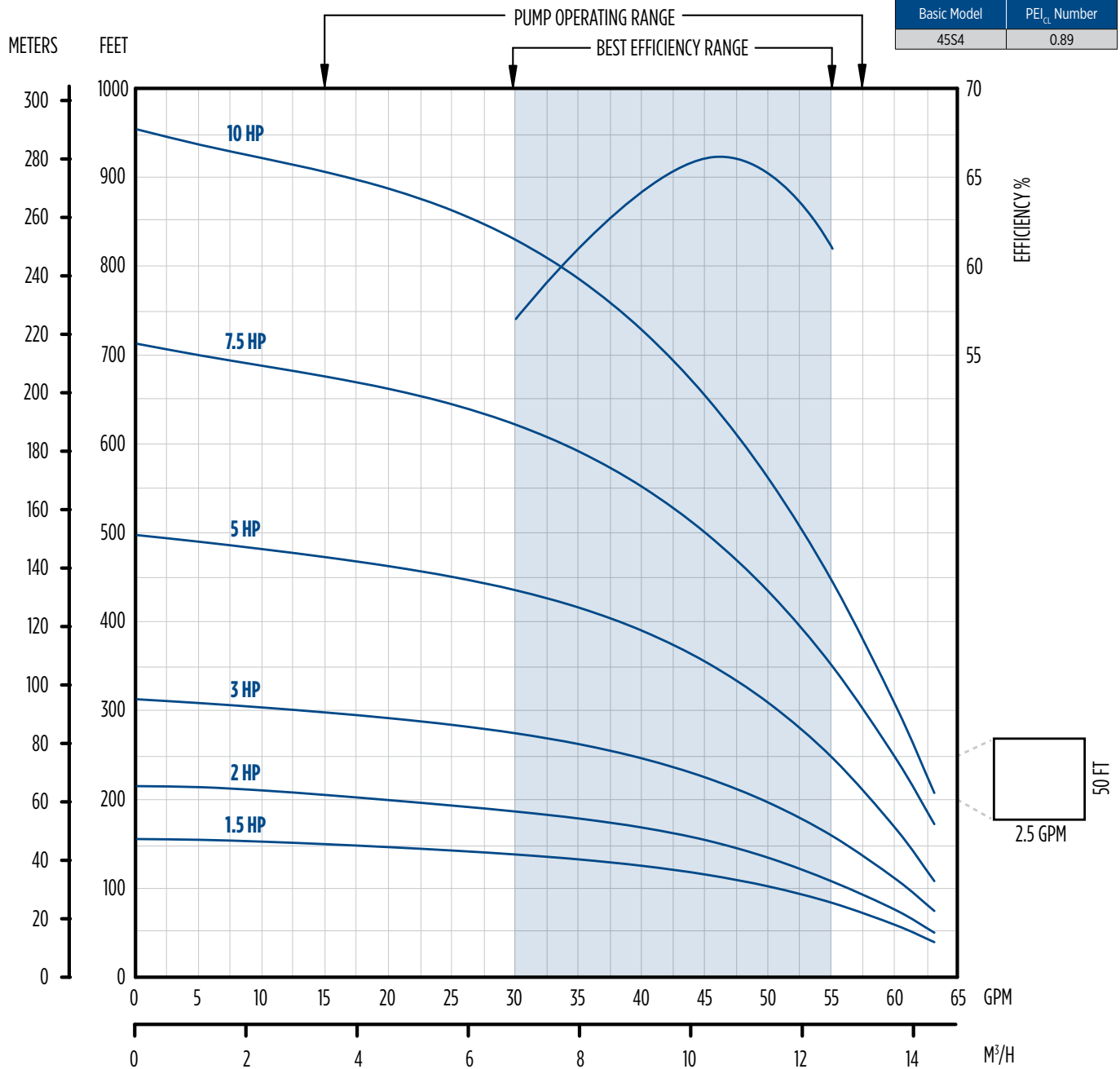


Franklin Electric

PERFORMANCE

45 GPM

Basic Model	PEI _{CL} Number
45S4	0.89



SUBMERSIBLE PUMPS

4" TRI-SEAL HIGH CAPACITY PUMPS



PERFORMANCE

45 GPM

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	440	
1.5	0					55	50	43											156
	10				54	49	41												
	20			54	48	39													
	30		53	47	38														
	40	52	46	36															
	50	44	33																
	60	30																	
Shut-off PSI		68	59	50	42	33	24	16											
2	0						52	48	43	35									216
	10					52	47	42	33										
	20				55	51	47	41	31										
	30			54	51	46	39	29											
	40		54	50	45	38													
	50	53	49	44	37														
	60	48	43	35															
3	0								54	51	48	45	41						312
	10								54	51	48	45	40						
	20							53	50	47	44	39	32						
	30																		
	40				55	53	50	47	43	38	31								
	50			55	52	50	46	42	37										
	60		55	52	49	46	42	36											
5	0												55	52	48	44	38		500
	10												53	50	46	41	33		
	20											55	51	48	43	37			
	30									56	54	53	49	45	40	32			
	40								56	54	53	51	47	42	36				
	50						55	54	52	50	49	46	42	34					
	60																		
7.5	0																		707
	10																		
	20																		
	30					55	53	50	47	44	40	38	30						
	40				56	54	51	48	45	42	37	35							
	50				54	52	50	47	43	39	34	31							
	60				53	51	48	45	41	37	30								
10	0																		950
	10																		
	20																		
	30																		
	40																		
	50																		
	60																		
15	0																		156
	10																		
	20																		
	30																		
	40																		
	50																		
	60																		
Shut-off PSI		237	228	219	202	185	168	150	133	116	98	90	68	46					
20	0																		216
	10																		
	20																		
	30																		
	40																		
	50																		
	60																		
25	0																		312
	10																		
	20																		
	30																		
	40																		
	50																		
	60																		
Shut-off PSI		307	290	273	255	238	221	203	195	173	152	130	108	87	65				

HP	PSI	160	180	200	240	280	320	360	400	440	480	500	550	600	650	700	750	800	850	900	Shut-Off (ft)
7.5	0							54	52	49	46	45	40	34							707
	10						55	53	50	48	44	43	37	30							
	20						54	52	49	46	42	40	34								
	30					55	53	50	47	44	40	38	30								
	40				56	54	51	48	45	42	37	35									
	50				54	52	50	47	43	39	34	31									
	60			55	53	51	48	45	41	37	30										
	70		55	54	52	49	46	43	39	33											
	80	55	54	53	50	48	44	41	36												
Shut-off PSI		237	228	219	202	185	168	150	133	116	98	90	68	46							
10	0									55	53	53	50	48	45	42	38	33			950
	10								56	54	52	52	49	47	44	40	36	31			
	20								55	53	51	51	48	45	42	38	34				
	30							56	54	52	50	49	47	44	40	36	31				
	40						55	53	51	49	48	46	42	39	34						
	50					55	54	52	50	48	47	44	41	37	31						
	60					56	54	53	51	49	47	46	43	39	34						
	70					55	53	52	50	48	46	44	41	37	32						
	80				56	54	52	51	49	47	44	43	39	35							
Shut-off PSI					307	290	273	255	238	221	203	195	173	152	130	108	87	65			

SUBMERSIBLE PUMPS

4" TRI-SEAL HIGH CAPACITY PUMPS

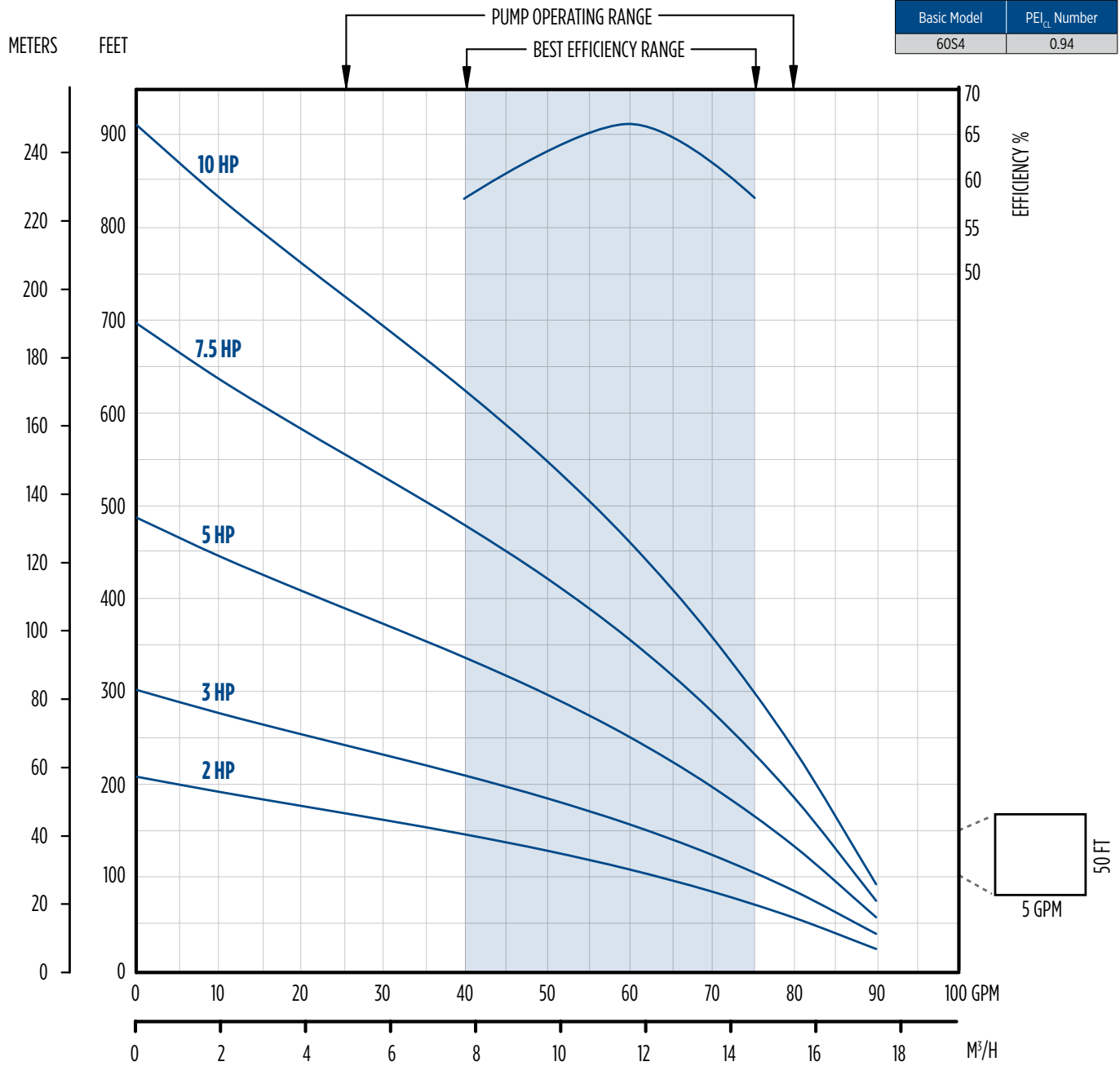


Franklin Electric

PERFORMANCE

60 GPM

Basic Model	PEI _{CL} Number
60S4	0.94



4" TRI-SEAL HIGH CAPACITY PUMPS



Franklin Electric

PERFORMANCE

60 GPM

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance.																			
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	Shut-Off (ft)	
2	0				79	72	64	55	45											206	
	10			78	71	63	54	43													
	20		77	70	62	52	41														
	30	76	69	60	51																
	40	68	59	49																	
	50	57	47																		
60	45																				
Shut-off PSI		89	81	72	63	55	46	37	29												
3	0					82	77	71	66	59	52	44								300	
	10				81	76	71	65	58	51	43										
	20			80	75	70	64	57	50	42											
	30		79	74	69	63	56	49	40												
	40	79	74	68	62	55	47	39													
	50	73	67	61	54	46	38	29													
	60	66	60	53	45																
	70	59	52	44																	
80	50	42																			
Shut-off PSI		130	121	113	104	95	87	78	69	61	52	43									
5	0							82	79	76	73	70	62	54	44					485	
	10						82	79	76	73	69	66	58	49							
	20					81	78	75	72	69	65	61	53	43							
	30				81	78	75	72	68	64	60	56	47								
	40			80	77	74	71	68	64	60	56	51	41								
	50		80	77	74	71	67	63	59	55	50	45									
	60	79	76	73	70	66	63	59	54	50	45	40									
	70	76	73	69	66	62	58	54	49	44	39										
80	72	69	65	61	57	53	48	43													
Shut-off PSI		210	201	193	184	175	167	158	149	141	132	123	106	89	71						
7.5	0									81	79	75	70	65	60	54	47	40		700	
	10								80	78	76	72	67	62	56	50	43				
	20							80	78	76	74	69	64	59	53	46					
	30						80	78	76	74	71	66	61	55	49	42					
	40					80	78	75	73	71	69	63	58	52	45						
	50				81	79	77	75	73	71	68	66	60	54	48	41					
	60			81	79	77	75	72	70	68	65	63	57	51	44						
	70		81	79	77	74	72	70	67	65	62	59	53	47	40						
80	80	78	76	74	72	69	67	64	62	59	56	50	43								
Shut-off PSI		303	294	286	277	268	260	251	242	234	225	216	199	182	165	147	130	113	95		

HP	PSI	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550	600	Shut-Off (ft)
10	0										80	77	74	70	66	62	58	56	50	43	905
	10									81	78	75	72	68	64	60	55	53	47	40	
	20								81	79	76	73	69	66	62	57	53	50	44		
	30							81	79	78	74	71	67	63	59	55	50	47	41		
	40						81	79	77	76	72	69	65	61	57	52	47	44			
	50					80	79	77	76	74	70	67	63	58	54	49	44	41			
	60				80	79	77	75	74	72	68	64	60	56	51	46	41				
	70		81	80	80	78	77	75	73	72	70	66	62	58	53	48	43				
80	81	80	78	76	75	73	71	70	68	64	60	55	50	45	40						
Shut-off PSI		374	366	357	348	340	331	323	314	305	288	271	253	236	219	201	184	175	154	132	

NOTES: Performance shown does not include friction loss in the drop pipe. All performance data is based on rated motor nameplate voltage. Performances for former XP models are the same as 45 gpm models. Performance shown is based on a pump without check valve.

SUBMERSIBLE PUMPS

4" TRI-SEAL HIGH CAPACITY PUMPS

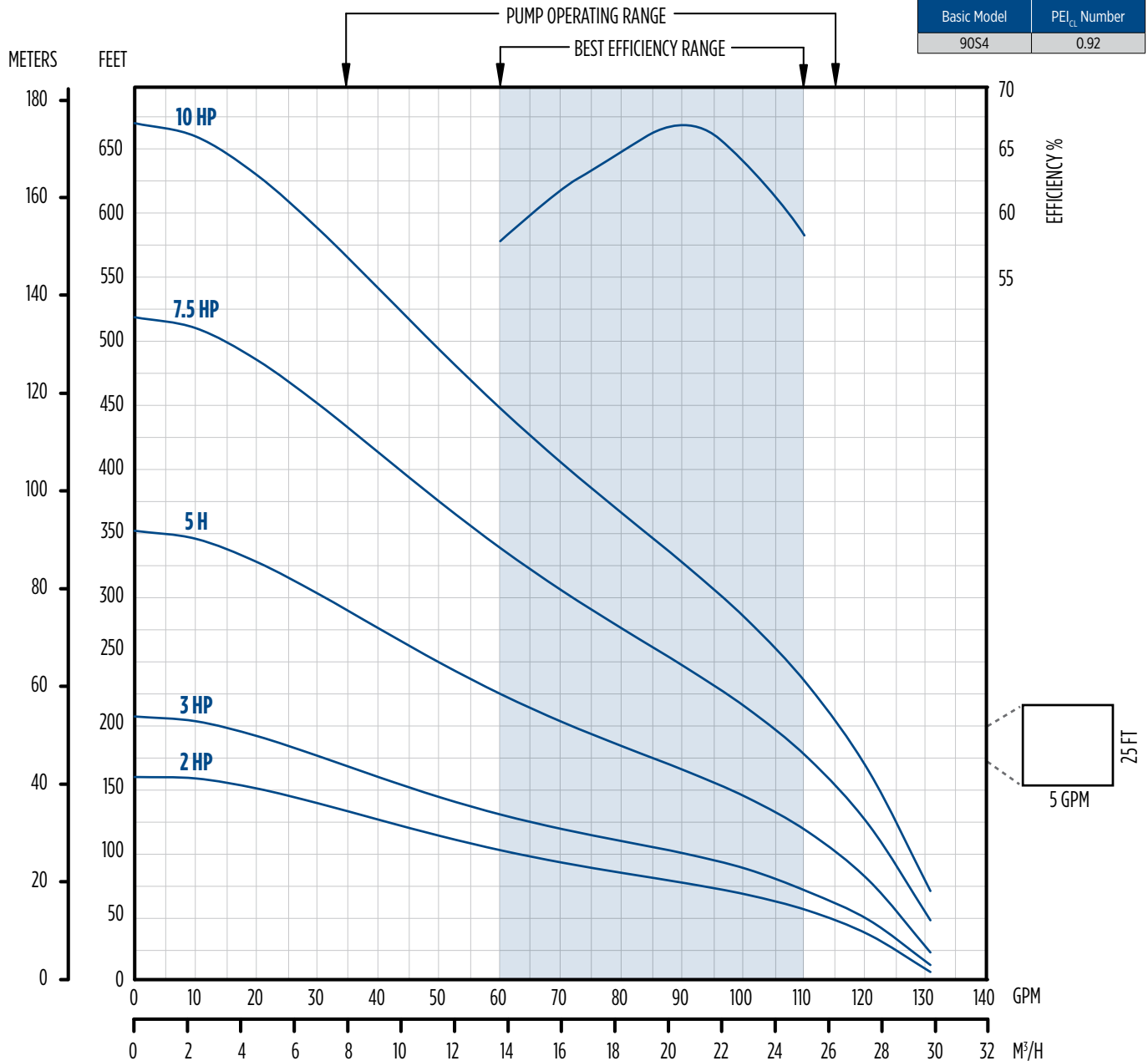


Franklin Electric

PERFORMANCE

90 GPM

Basic Model	PEI _{CL} Number
90S4	0.92



SUBMERSIBLE PUMPS

4" TRI-SEAL HIGH CAPACITY PUMPS



PERFORMANCE		90 GPM																	
HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance.																	
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	Shut-Off (ft)
2	0				104	89													170
	10				102	86	67												
	20			100	83	64													
	30	97	80	60															
	40	77																	
Shut-off PSI		74	65	56	48	39													
3	0					103	90	76											220
	10					101	88	73											
	20			110	99	86	71												
	30	109	97	84	68														
	40	95	81	65															
	50	79	63																
Shut-off PSI		95	87	78	69	61	52	43											
5	0							106	99	92	84	76							365
	10							105	98	91	83	74	65						
	20				110	104	97	90	82	73	64								
	30				109	103	96	88	80	72	62								
	40			108	102	95	87	79	70	61									
	50	107	101	94	86	78	69	60											
	60	100	92	85	76	67													
	70	91	83	75	66														
Shut-off PSI		158	149	141	132	123	115	106	97	89	80	71							
7.5	0									111	106	101	91	81	69				535
	10									110	105	101	96	85	74	62			
	20								109	105	100	95	90	79	68				
	30							108	104	99	94	89	84	73	60				
	40					108	103	98	93	88	83	77	66						
	50				107	102	98	93	87	82	76	71							
	60		111	106	102	97	92	87	81	76	70	64							
	70	110	106	101	96	91	86	80	75	69	63								
Shut-off PSI		232	223	214	206	197	188	180	171	162	154	145	128	110	93				
10	0										111	106	101	91	81	69			690
	10										110	105	101	96	85	74	62		
	20								109	105	100	95	90	79	68				
	30							108	104	99	94	89	84	73	60				
	40					108	103	98	93	88	83	77	66						
	50				107	102	98	93	87	82	76	71							
	60			106	102	97	92	87	81	76	70	64							
	70	110	106	101	96	91	86	80	75	69	63								
Shut-off PSI		299	290	281	273	264	255	247	238	229	221	212	195	177	160				

NOTES: Performance shown does not include friction loss in the drop pipe. All performance data is based on rated motor nameplate voltage. Performance shown is based on a pump without check valve.



Franklin Electric