

4" SERIES V PUMPS

The standard Series Five submersible pump features unique hydraulics that improve efficiency and minimize wear even when pumping abrasives. Discharge and motor brackets are available in thermoplastic or stainless steel with a removable check valve system. Available in 10, 15, 20, and 25 gpm, 1/2 - 5 horsepower. For details on how to become a registered dealer and receive a 5-year warranty, contact your local distributor.

FEATURES

- Four performance ranges: 10, 15, 20, and 25 gpm
- Horsepower ranges: 1/2 - 5
- Discharge head and motor bracket produced with industry-proven, engineered materials. Available in 300 Series stainless steel or high quality thermoplastic resins.
- Large wrench flat area on the discharge head for ease of installation
- Dry-run designed top bearing positively supports the 300 Series stainless steel 7/16" hex shaft
- Removable internal check valve
- Powered by Franklin Electric corrosion-resistant super stainless 4" submersible motors with lightning protection
- Maximum water temperature with proper flow is 120 °F/49 °C. Consult factory for details
- NSF/ANSI 61 Certified



UL 778
 CSA 108
 NSF/ANSI 372
 NSF/ANSI 61 (Pump end only)

4" SERIES V PUMPS - ORDERING INFORMATION

THERMOPLASTIC ORDERING INFORMATION

GPM	HP	Stages	Volts	2-Wire			3-Wire			
				Model	Order No.	Motor	Model	Order No.	Motor	Control Box
10	1/2	6	115	10FV05P4-2W115	95401005	2445049004GS	10FV05P4-3W115	95401030	2145049004GS	2801044915
	1/2	6	230	10FV05P4-2W230	95401010	2445059004GS	10FV05P4-3W230	95401035	2145059004GS	2801054915
	3/4	8	230	10FV07P4-2W230	95401015	2445079004GS	10FV07P4-3W230	95401040	2145079004GS	2801074915
	1	11	230	10FV1P4-2W230	95401020	2445089003GS	10FV1P4-3W230	95401045	2145089003GS	2801084915
15	1.5	15	230	10FV15P4-2W230	95401025	2443099004GS	10FV15P4-3W230	95401050	2243009203GS	2823008110
	3/4	6	230	15FV07P4-2W230	95401515	2445079004GS	15FV07P4-3W230	95401540	2145079004GS	2801074915
	1	8	230	15FV1P4-2W230	95401520	2445089003GS	15FV1P4-3W230	95401545	2145089003GS	2801084915
20	1.5	11	230	15FV15P4-2W230	95401525	2443099004GS	15FV15P4-3W230	95401550	2243009203GS	2823008110
	3/4	5	230	20FV07P4-2W230	95402015	2445079004GS	20FV07P4-3W230	95402040	2145079004GS	2801074915
	1	7	230	20FV1P4-2W230	95402020	2445089003GS	20FV1P4-3W230	95402045	2145089003GS	2801084915
25	1.5	10	230	20FV15P4-2W230	95402025	2443099004GS	20FV15P4-3W230	95402050	2243009203GS	2823008110
	1	6	230	25FV1P4-2W230	95402520	2445089003GS	25FV1P4-3W230	95402545	2145089003GS	2801084915
	1.5	8	230	25FV15P4-2W230	95402525	2443099004GS	25FV15P4-3W230	95402550	2243009203GS	2823008110

STAINLESS STEEL ORDERING INFORMATION

GPM	HP	Stages	Volts	2-Wire			3-Wire			
				Model	Order No.	Motor	Model	Order No.	Motor	Control Box
10	1/2	6	115	10FV05S4-2W115	95421005	2445049004GS	10FV05S4-3W115	95421030	2145049004GS	2801044915
	1/2	6	230	10FV05S4-2W230	95421010	2445059004GS	10FV05S4-3W230	95421035	2145059004GS	2801054915
	3/4	8	230	10FV07S4-2W230	95421015	2445079004GS	10FV07S4-3W230	95421040	2145079004GS	2801074915
	1	11	230	10FV1S4-2W230	95421020	2445089003GS	10FV1S4-3W230	95421045	2145089003GS	2801084915
15	1.5	15	230	10FV15S4-2W230	95421025	2443099004GS	10FV15S4-3W230	95421050	2243009203GS	2823008110
	3/4	6	230	15FV07S4-2W230	95421515	2445079004GS	15FV07S4-3W230	95421540	2145079004GS	2801074915
	1	8	230	15FV1S4-2W230	95421520	2445089003GS	15FV1S4-3W230	95421545	2145089003GS	2801084915
20	1.5	11	230	15FV15S4-2W230	95421525	2443099004GS	15FV15S4-3W230	95421550	2243009203GS	2823008110
	3/4	5	230	20FV07S4-2W230	95422015	2445079004GS	20FV07S4-3W230	95422040	2145079004GS	2801074915
	1	7	230	20FV1S4-2W230	95422020	2445089003GS	20FV1S4-3W230	95422045	2145089003GS	2801084915
25	1.5	10	230	20FV15S4-2W230	95422025	2443099004GS	20FV15S4-3W230	95422050	2243009203GS	2823008110
	1	6	230	25FV1S4-2W230	95422520	2445089003GS	25FV1S4-3W230	95422545	2145089003GS	2801084915
	1.5	8	230	25FV15S4-2W230	95422525	2443099004GS	25FV15S4-3W230	95422550	2243009203GS	2823008110

STAINLESS STEEL PUMP ENDS

GPM	HP	Stages	Model	Order No.
10	1/2	6	10FV05S4-PE	95431000
	3/4	8	10FV07S4-PE	95431001
	1	11	10FV1S4-PE	95431002
	1.5	15	10FV15S4-PE	95431003
	2	18	10FV2S4-PE	95431004
	3	24	10FV3S4-PE	95431005
	5	39	10FV5S4-PE	95431006
15	3/4	6	15FV07S4-PE	95431501
	1	9	15FV1S4-PE	95431502
	1.5	11	15FV15S4-PE	95431503
	2	14	15FV2S4-PE	95431504
	3	19	15FV3S4-PE	95431505
20	5	31	15FV5S4-PE	95431506
	3/4	5	20FV07S4-PE	95432001
	1	7	20FV1S4-PE	95432002
	1.5	10	20FV15S4-PE	95432003
	2	12	20FV2S4-PE	95432004
	3	16	20FV3S4-PE	95432005
25	5	26	20FV5S4-PE	95432006
	1	6	25FV1S4-PE	95432501
	1.5	8	25FV15S4-PE	95432502
	2	10	25FV2S4-PE	95432503
	3	14	25FV3S4-PE	95432504
	5	23	25FV5S4-PE	95432505

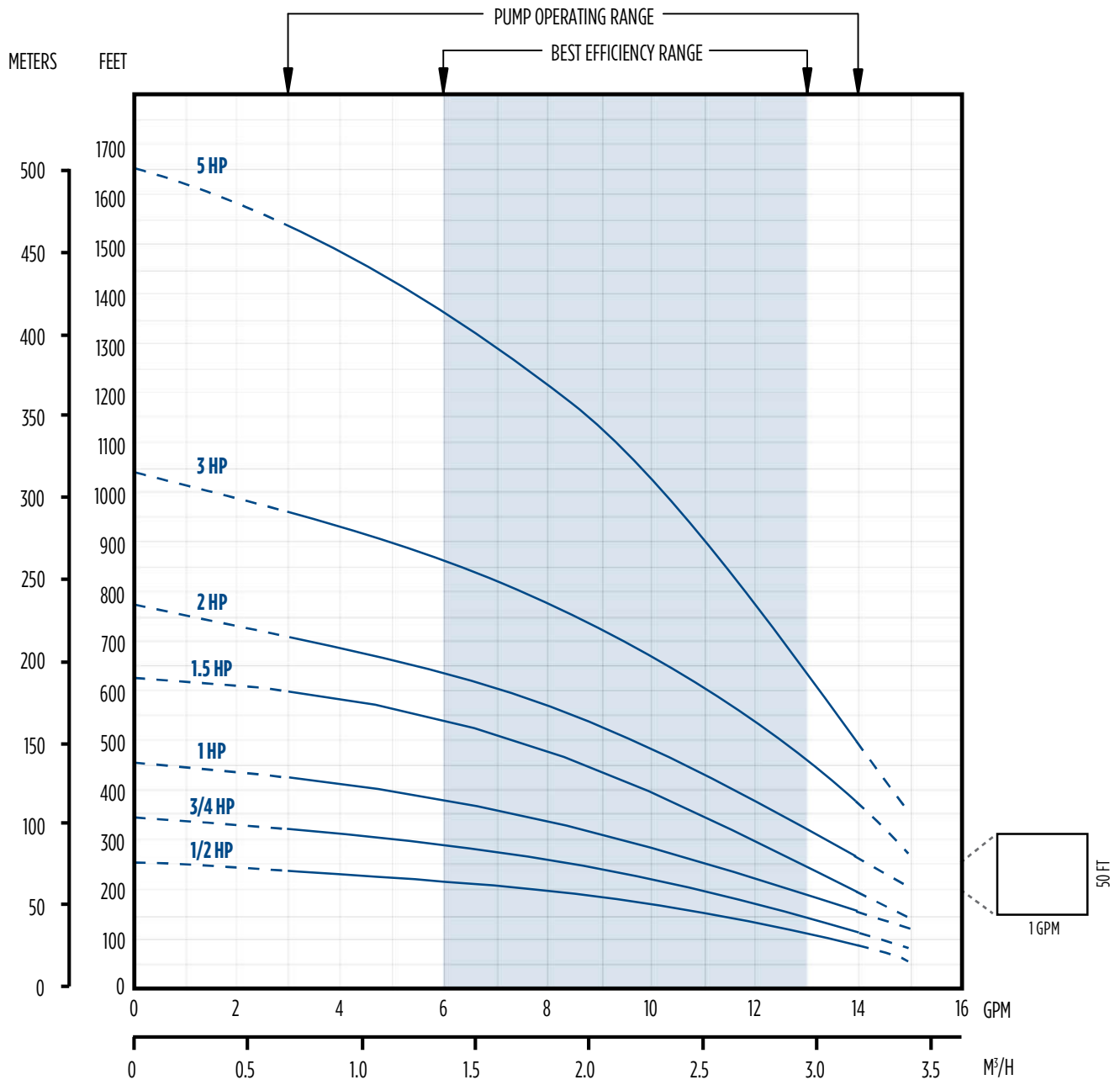
NOTES: Discharge is 1-1/4" NPT; Maximum diameter across cable guard is 3.90" on all models



MENU

4" SERIES V PUMPS - 10 GPM

PERFORMANCE



4" SERIES V PUMPS - 10 GPM

PERFORMANCE

HP	PSI	Depth to Pumping Water Level (Lift) in Feet. Shaded Areas Indicate Most Efficient Performance.																							
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600	700	800	900	1000	
1/2	0				14	13	12	11	10	9	7														
	20	14	13	13	12	11	10	8	6	3															
	30	13	13	12	11	10	8	6	3																
	40	13	12	11	10	8	6	3																	
	50	12	11	9	8	5	3																		
	60	11	10	7	4																				
80	8	6	4																						
Shut-off PSI		97	88	80	71	62	54	45	36	28	19														
3/4	0				14	13	12	11	10	9	7	8	4												
	20		14	14	13	12	12	11	10	9	8	6	4												
	30	14	14	13	12	12	11	10	9	8	7	3													
	40	14	13	12	12	11	10	9	8	7	6														
	50	13	12	11	11	10	9	8	7	5	3														
	60	12	11	11	10	9	8	6	5																
80	11	10	9	8	6	5																			
Shut-off PSI		137	129	120	111	103	94	85	77	68	59	42	34	16											
1	0					14	13	13	12	11	10	9	7	4											
	20					14	13	13	12	11	11	9	9	7	3										
	30				14	13	13	12	11	11	10	9	8	6											
	40			14	13	13	12	11	11	10	9	8	7	5											
	50		14	13	12	12	11	11	10	9	8	7	6												
	60	13	12	12	11	11	10	10	9	8	8	5	4												
80	12	12	11	10	10	9	8	7	6	5															
Shut-off PSI		183	174	157	148	140	131	123	114	105	97	79	71	53	27	10									
1.5	0							14	13	13	12	12	11	11	9	8	7	6	5						
	20							14	13	13	12	12	11	11	10	8	8	6	5	4					
	30						14	13	13	12	12	11	11	10	10	8	8	6	5	4					
	40				14	13	13	12	12	12	11	10	10	8	7	6	4								
	50				14	13	13	12	12	12	11	10	10	9	8	6	5	3							
	60		14	13	13	13	12	12	11	11	11	10	9	9	7	6	4								
80	13	13	13	12	12	11	11	11	10	10	9	9	8	6	3										
Shut-off PSI		257	248	240	231	222	214	205	197	188	179	162	153	136	110	93	75	41	32						
2	0										14	13	13	12	11	10	9	9	8	7	6				
	20										14	13	13	12	12	10	10	9	8	8	4				
	30										14	13	13	12	12	10	10	9	8	8	4				
	40									14	13	13	12	12	11	10	9	9	8	7	3				
	50							14	13	13	12	12	11	11	10	9	8	7	6						
	60				14	13	13	13	12	12	11	11	10	9	8	7	6	5							
80			14	13	13	13	12	12	12	11	11	10	9	8	6	4	4								
Shut-off PSI		324	316	307	298	290	281	272	264	255	246	229	220	203	177	160	143	125	117	73					
3	0													14	13	13	12	12	11	9	7	5			
	20													14	13	13	12	12	12	10	8	6	3		
	30													14	14	13	13	12	12	11	10	8	5		
	40													14	14	13	12	12	11	11	9	7	4		
	50												14	14	14	13	12	12	11	11	11	9	4		
	60											14	14	14	13	13	12	12	11	11	10	9	3		
80									14	14	13	13	13	12	12	11	11	10	10	8	5				
Shut-off PSI		438	430	421	413	404	395	387	378	369	361	343	335	317	291	274	257	240	231	188	144	101	58		

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

HP	PSI	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	Shut-Off (ft)
5	0				14	13	13	12	11	11	10	9	8	6	5	
	20				14	13	12	12	11	10	9	8	7	6	4	
	30				14	13	12	12	11	10	9	8	7	5	4	
	40				14	13	12	11	11	10	9	8	7	5	3	
	50			14	13	13	12	11	10	9	9	7	6	5	3	
	60			14	13	13	12	11	10	9	8	7	6	4		
80		14	14	13	12	11	11	10	9	8	7	5	3			
Shut-off PSI		670	626	583	540	497	453	410	367	324	280	237	194	151	107	

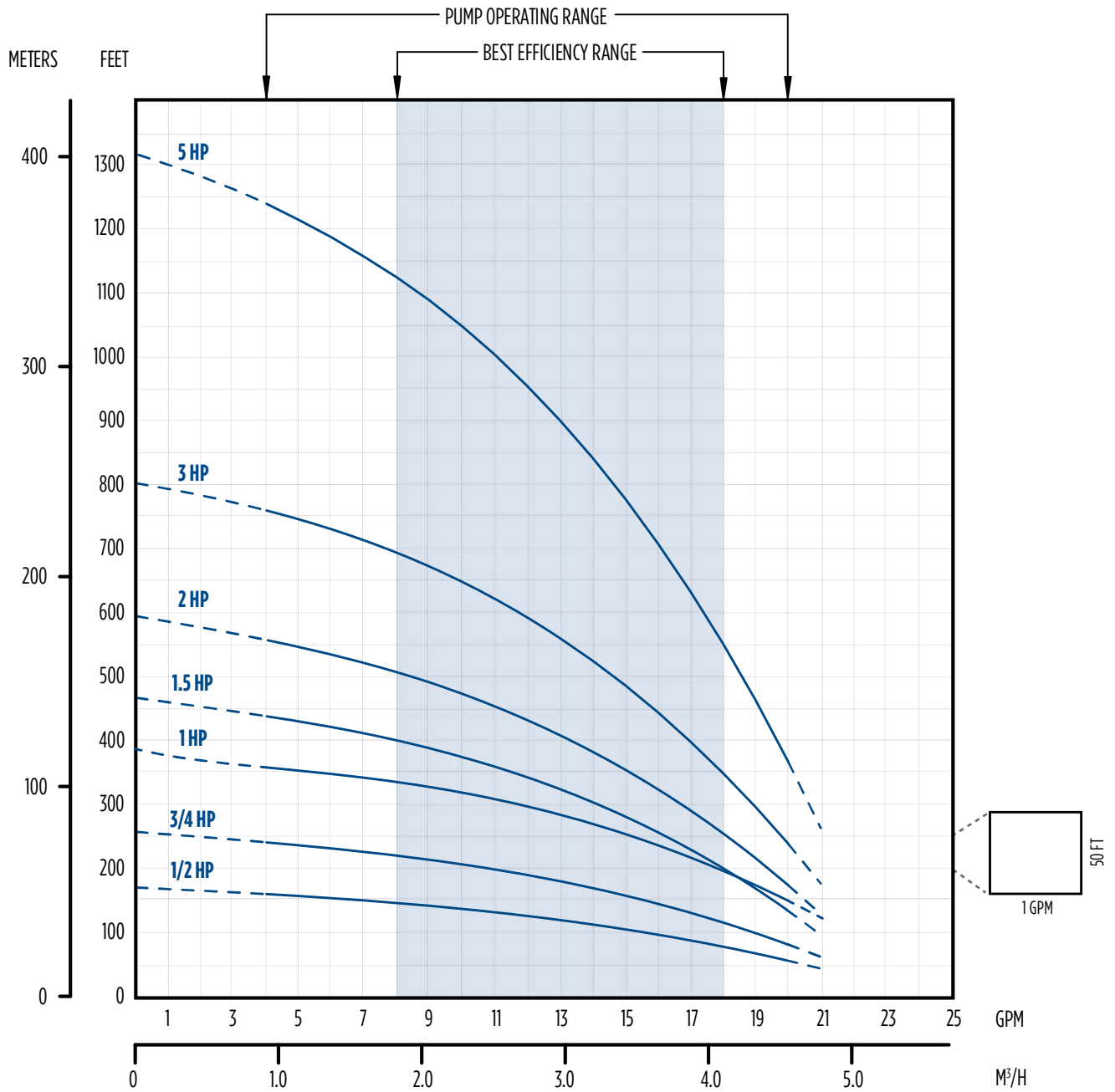
NOTES: Performance shown does not include friction loss in the drop pipe; All performance data is based on rated motor nameplate voltage



MENU

4" SERIES V PUMPS - 15 GPM

PERFORMANCE

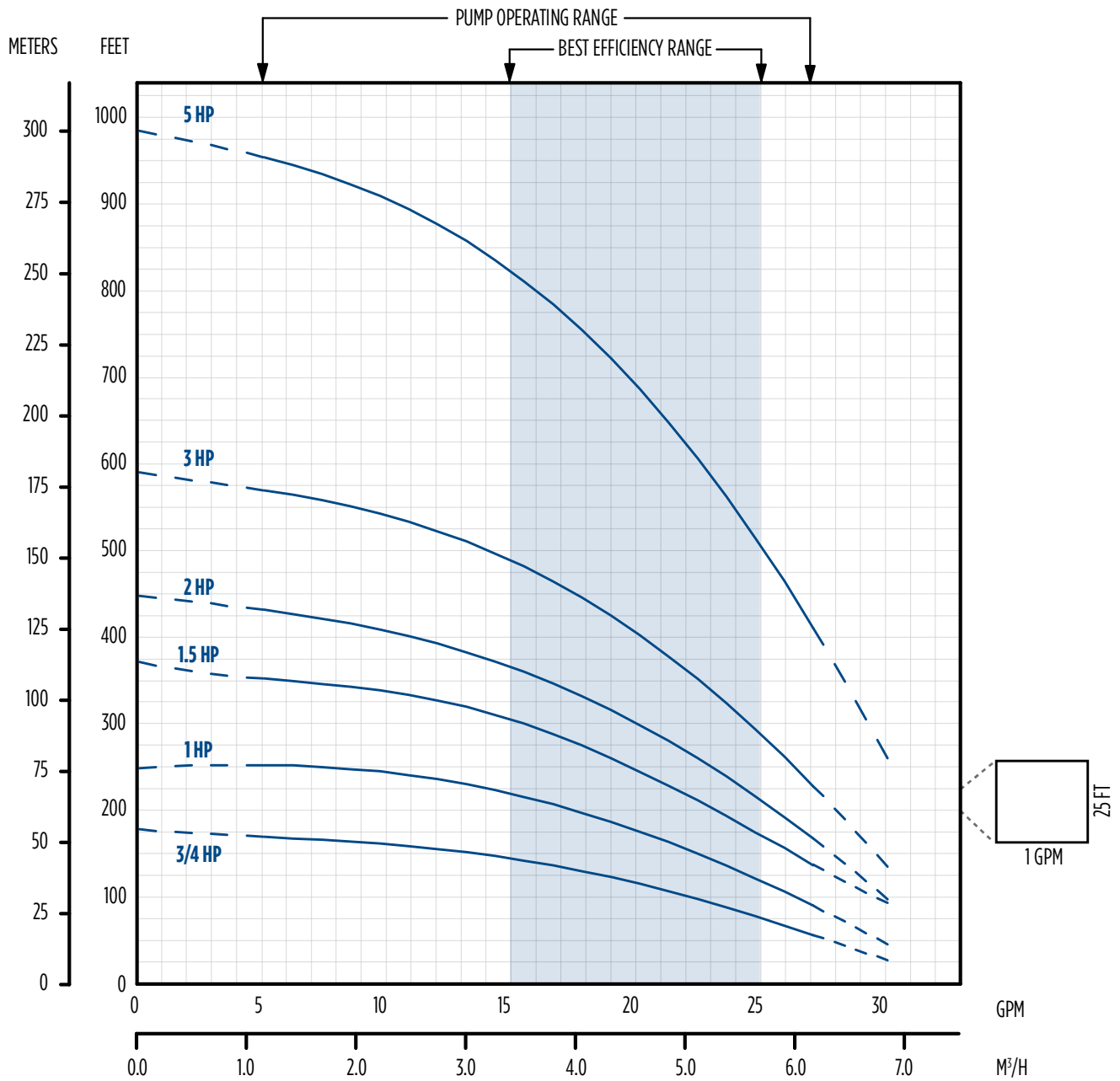




MENU

4" SERIES V PUMPS - 20 GPM

PERFORMANCE



4" SERIES V PUMPS - 20 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	240	260	300	360	400	440	480	500	600	700		800	900
3/4	0				24	22	21	18	14															
	20		23	21	19	17	12																	
	30	23	21	19	17	11																		
	40	21	19	17	10																			
	50	19	16	10																				
	60	14																						
Shut-off PSI		74	65	56	48	39	30	22	13															
1	0						26	25	23	20	18	11												
	20				27	26	24	22	20	18	15	8												
	30		27	26	24	22	19	17	14	7														
	40	27	25	23	21	19	17	13																
	50	25	23	21	19	16	12																	
	60	23	21	18	16	11																		
	70	20	18	15	10																			
80	18	15	9																					
Shut-off PSI		100	91	83	74	66	57	48	40	31	22	5												
1.5	0							27	26	24	22	20	17	6										
	20						27	25	24	23	21	18	16	10										
	30						26	25	24	22	21	20	16	13										
	40					26	25	23	22	21	19	18	13	8										
	50		27	26	25	23	22	21	19	17	15	7												
	60	27	26	24	23	22	20	19	17	15	11													
	70	26	24	23	21	20	19	17	14	11	5													
80	24	23	21	20	18	16	14	10																
Shut-off PSI		156	147	138	130	121	112	104	95	86	78	60	52	34	8									
2	0											24	23	20	16	12								
	20											24	21	20	17	12								
	30										24	23	22	20	19	16								
	40									24	23	22	21	19	17	14								
	50							24	23	22	20	19	16	14	10									
	60						24	23	22	20	19	18	14	12										
80			24	23	21	20	19	18	16	14														
Shut-off PSI		187	179	170	161	153	144	135	127	118	110	92	84	66	40	23								
3	0													24	22	20	18	16	14					
	20													24	23	20	17	15	12	10				
	30													24	23	21	18	16	13	10				
	40												24	23	22	20	17	14	11					
	50										24	24	22	21	19	16	13							
	60									24	24	23	21	20	18	14	10							
80									24	23	22	20	18	17	15	10								
Shut-off PSI		251	242	234	225	216	208	199	190	182	173	156	147	130	104	87	69	52	43					
5	0																		24	23	20	16		
	20																		24	21	18	13		
	30																		24	23	20	17	11	
	40																		24	23	23	20	16	10
	50																		24	22	22	17	15	
	60																		24	23	22	21	18	14
80																		24	23	22	21	20	16	10
Shut-off PSI		416	408	399	390	382	373	364	356	347	339	321	313	295	269	252	235	217	209	165	122	79		

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

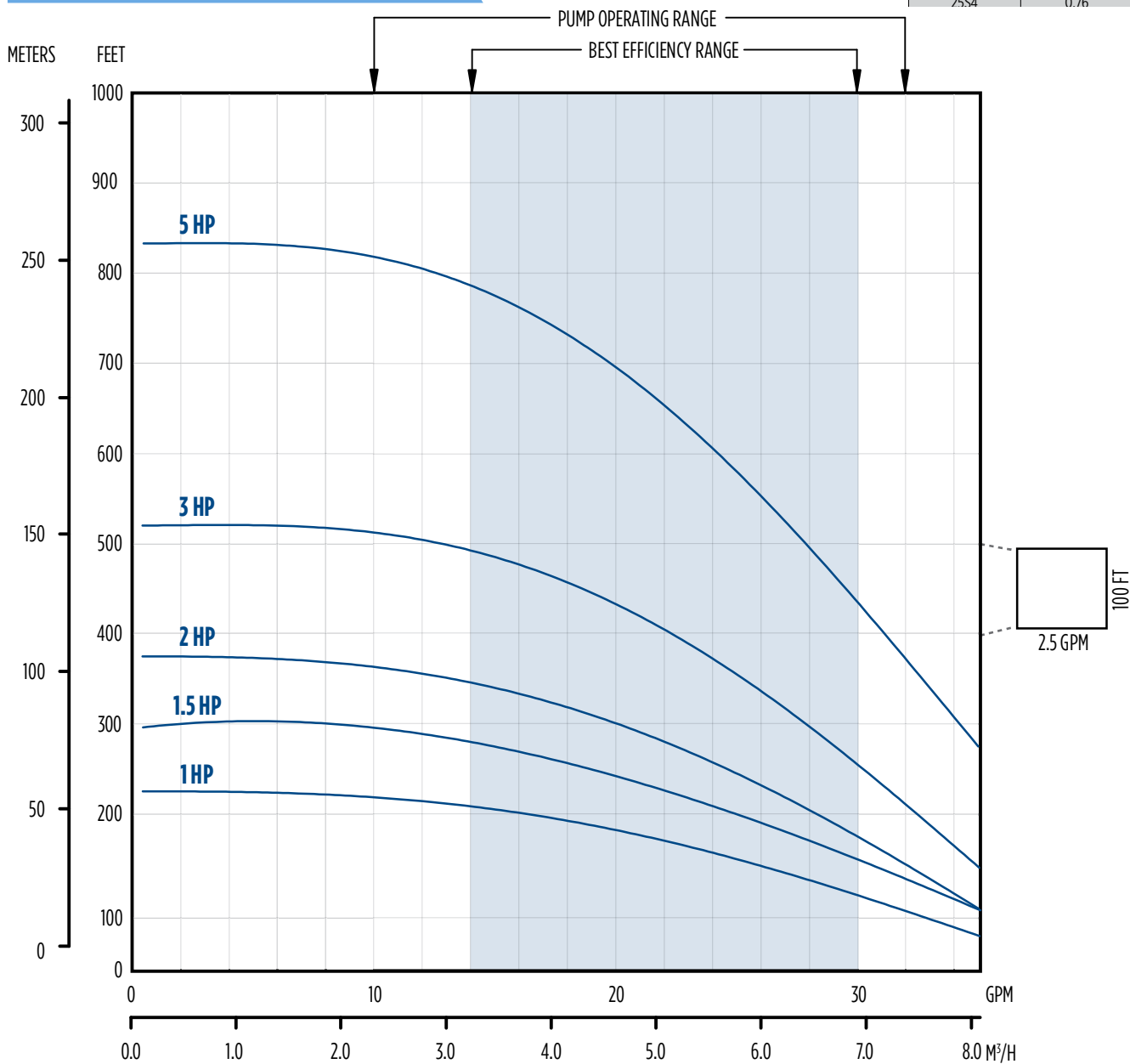


MENU

4" SERIES V PUMPS - 25 GPM

PERFORMANCE

Basic Model	PEI _{CL} Number
25S4	0.76



4" SERIES V PUMPS - 25 GPM

PERFORMANCE

HP	PSI	Depth to Pumping Water Level (ft) in Gallons Per Minute																				Shut-Off (ft)				
		0	20	40	60	80	100	120	140	160	180	200	240	280	320	360	400	440	480	500	550		600	650	700	750
1	0					33	31	29	26	24	20	16														
	10					33	31	28	26	23	20	16														
	20			33	30	28	26	23	19	15																
	30		32	30	28	25	22	19	14																	
	40	32	30	27	25	22	18	13																		
	50	29	27	24	21	17	11																			
	60	27	24	21	17	10																				
	70	23	20	16																						
	80	20	15																							
Shut-Off	96	87	79	70	61	53	44	35	27	18	10															
1.5	0					34	33	31	29	27	25	20														
	10					34	32	31	29	27	25	23	17													
	20			34	32	30	28	26	24	22	20															
	30		35	34	32	30	28	26	24	22	19	16														
	40	35	33	31	30	28	26	24	21	19	15															
	50	33	31	29	28	26	23	21	18																	
	60	31	29	27	25	23	21	18																		
	70	29	27	25	23	20	17																			
	80	27	25	22	20	17																				
Shut-Off	129	120	111	103	94	85	77	68	59	51	42	25	7													
2	0					35	33	32	31	30	28	25	22	18	11											
	10					35	33	32	31	29	28	27	24	20	14											
	20			34	33	32	31	29	28	26	25	21	17	9												
	30		35	34	33	32	30	29	28	26	25	23	19	13												
	40	35	34	33	31	30	29	27	26	24	23	21	16													
	50	34	33	31	30	29	27	26	24	22	21	18	12													
	60	32	31	30	28	27	25	24	22	20	18	15														
	70	31	30	28	27	25	24	22	20	18	15	10														
	80	29	28	27	25	23	22	20	17	14	9															
Shut-Off	162	154	145	136	128	119	110	102	93	84	76	58	41	24	6											
3	0					35	34	33	32	31	29	27	25	22	19	16	13									
	10					35	34	33	32	31	30	28	26	23	21	17	12									
	20					35	34	33	32	31	30	29	27	24	22	19	15									
	30			35	34	33	32	31	30	29	27	25	23	20	17	11										
	40		35	34	33	32	31	30	29	28	26	24	21	18	14											
	50	35	34	34	33	32	31	30	29	28	27	25	23	20	16	9										
	60	35	34	33	33	32	31	30	29	28	27	26	24	21	18	13										
	70	34	33	32	32	31	30	29	28	27	26	25	22	19	15											
	80	33	32	31	30	30	29	28	27	26	24	23	21	17	12											
Shut-Off	225	216	207	199	190	181	173	164	155	147	138	121	103	86	69	52	34	17	8							
5	0												35	34	32	31	30	29	28	26	24	22	20	17	13	
	10												35	34	33	32	30	29	28	27	25	23	21	19	15	
	20												35	33	32	31	30	28	27	26	24	22	20	17	13	
	30												35	34	33	31	30	29	28	26	25	23	21	19	15	
	40												35	34	33	31	29	28	27	25	25	22	20	17	13	
	50												35	34	34	33	31	30	29	27	26	24	24	21	19	
	60												35	34	34	33	32	31	29	28	27	25	23	20	18	
	70												35	34	34	33	32	31	30	28	27	26	24	23	20	
	80												35	34	33	32	32	30	29	28	26	25	23	21	18	
Shut-Off	361	352	343	335	326	317	309	300	291	283	274	257	239	222	205	187	170	153	144	123	101	79	58	36	14	

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

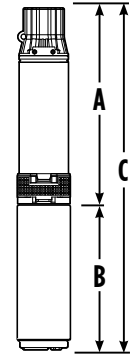
4" SERIES V PUMPS - DIMENSIONS

THERMOPLASTIC

GPM	HP	Stages	2-Wire					3-Wire				
			Dimensions (in)			Wt. (lbs)		Dimensions (in)			Wt. (lbs)	
			A	B	C	PE	PMA	A	B	C	PE	PMA
10	1/2	6	12.97	9.51	22.48	7	25	12.97	9.51	22.48	7	26
	3/4	8	14.69	10.64	25.33	8	29	14.69	10.64	25.33	8	29
	1	11	17.44	11.73	29.17	9	33	17.44	11.73	29.17	9	33
	1.5	15	21.06	15.10	36.16	10	41	21.06	13.60	34.66	10	38
15	3/4	6	12.97	10.64	23.61	7	28	12.97	10.64	23.61	7	28
	1	8	14.69	11.73	26.42	8	32	14.69	11.73	26.42	8	32
	1.5	11	17.44	15.10	32.54	9	40	17.44	13.60	31.04	9	37
20	3/4	5	13.65	10.64	24.29	6	28	13.65	10.64	24.29	6	28
	1	7	16.10	11.73	26.42	8	32	16.10	11.73	27.83	7	31
	1.5	10	19.77	15.10	34.87	8	39	19.77	13.60	33.37	8	36
25	1	6	14.88	11.73	26.61	7	31	14.88	11.73	26.61	7	31
	1.5	8	17.32	15.10	32.42	8	39	17.32	15.10	30.92	8	36

NOTES: PE = Pump end only; PMA = Pump and motor assembly; Maximum diameter with cable guard is 3.90"

Thermoplastic



STAINLESS STEEL

GPM	HP	Stages	2-Wire					3-Wire				
			Dimensions (in)			Wt. (lbs)		Dimensions (in)			Wt. (lbs)	
			A	B	C	PE	PMA	A	B	C	PE	PMA
10	1/2	6	12.39	9.51	21.90	7	25	12.39	9.51	21.90	9	28
	3/4	8	14.14	10.64	24.78	10	31	14.14	10.64	24.78	10	31
	1	11	16.85	11.73	28.58	11	35	16.85	11.73	28.58	11	35
	1.5	15	20.48	15.10	35.58	14	45	20.48	13.60	34.08	14	42
	2	18	-	-	-	-	-	25.26	15.10	40.36	15	-
	3	19	-	-	-	-	-	26.17	19.04	45.21	16	-
15	5	31	-	-	-	-	-	37.00	29.19	66.19	23	-
	3/4	6	12.39	10.64	23.03	9	30	12.39	10.64	23.03	9	30
	1	8	14.14	11.73	25.87	10	34	14.14	11.73	25.87	10	34
	1.5	11	16.85	15.10	31.95	11	42	16.85	13.60	30.45	11	39
	2	14	-	-	-	-	-	19.57	15.10	34.67	13	-
	3	19	-	-	-	-	-	26.17	19.04	45.21	16	-
20	5	31	-	-	-	-	-	37.00	29.19	66.19	23	-
	3/4	5	13.10	10.64	23.74	8	29	13.10	10.64	23.74	8	29
	1	7	15.55	11.73	27.28	9	33	15.55	11.73	27.28	9	33
	1.5	10	19.22	15.10	34.32	11	42	19.22	13.60	32.82	11	39
	2	12	-	-	-	-	-	21.66	15.10	36.76	12	-
	3	16	-	-	-	-	-	26.55	19.04	45.59	14	-
25	5	26	-	-	-	-	-	40.86	29.19	70.05	20	-
	7.5	39	-	-	-	-	-	60.77	29.60	90.37	27	-
	10	52	-	-	-	-	-	76.66	32.60	109.26	35	-
	1	6	14.33	11.73	26.06	9	33	14.33	11.73	26.06	9	33
	1.5	8	16.77	15.10	31.87	10	41	16.77	13.60	30.37	10	38
	2	10	-	-	-	-	-	19.22	15.10	34.32	11	-
25	3	14	-	-	-	-	-	24.11	19.04	43.15	13	-
	5	23	-	-	-	-	-	37.19	28.19	66.38	18	-
	7.5	35	-	-	-	-	-	55.88	29.60	85.48	25	-
	10	44	-	-	-	-	-	66.88	32.60	99.48	30	-

NOTES: PE = Pump end only; PMA = Pump and motor assembly; Maximum diameter with cable guard is 3.90"

Stainless Steel

