

## Submersible Pumps

### 4" Series V Pumps

#### Features



#### 4" Submersible Series V

The standard FPS 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 5, 7, 10, 15, 20 and 25 gpm, 1/2 - 5 horsepower.

#### Features:

- 6 performance ranges: 5, 7, 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.

  
NRTL/C  
CSA 108  
UL 778

## 4" Series V Pumps

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

### Stainless Steel Ordering Information

GPM	HP	Stg	Volts	2-Wire		3-Wire	
				Model No.	Order No.	Model No.	Order No.
5	1/2	8	115	5FV05S4-2W115	95420505	5FV05S4-3W115	95420530
	1/2	8	230	5FV05S4-2W230	95420510	5FV05S4-3W230	95420535
	3/4	12	230	5FV07S4-2W230	95420515	5FV07S4-3W230	95420540
	1	15	230	5FV1S4-2W230	95420520	5FV1S4-3W230	95420545
	1.5	21	230	5FV15S4-2W230	95420525	5FV15S4-3W230	95420550
7	1/2	7	115	7FV05S4-2W115	95420705	7FV05S4-3W115	95420730
	1/2	7	230	7FV05S4-2W230	95420710	7FV05S4-3W230	95420735
	3/4	10	230	7FV07S4-2W230	95420715	7FV07S4-3W230	95420740
	1	13	230	7FV1S4-2W230	95420720	7FV1S4-3W230	95420745
	1.5	18	230	7FV15S4-2W230	95420725	7FV15S4-3W230	95420750
10	1/2	6	115	10FV05S4-2W115	95421005	10FV05S4-3W115	95421030
	1/2	6	230	10FV05S4-2W230	95421010	10FV05S4-3W230	95421035
	3/4	8	230	10FV07S4-2W230	95421015	10FV07S4-3W230	95421040
	1	11	230	10FV1S4-2W230	95421020	10FV1S4-3W230	95421045
	1.5	15	230	10FV15S4-2W230	95421025	10FV15S4-3W230	95421050
15	1/2	4	115	15FV05S4-2W115	95421505	15FV05S4-3W115	95421530
	1/2	4	230	15FV05S4-2W230	95421510	15FV05S4-3W230	95421535
	3/4	6	230	15FV07S4-2W230	95421515	15FV07S4-3W230	95421540
	1	8	230	15FV1S4-2W230	95421520	15FV1S4-3W230	95421545
	1.5	11	230	15FV15S4-2W230	95421525	15FV15S4-3W230	95421550
20	3/4	5	230	20FV07S4-2W230	95422015	20FV07S4-3W230	95422040
	1	7	230	20FV1S4-2W230	95422020	20FV1S4-3W230	95422045
	1.5	10	230	20FV15S4-2W230	95422025	20FV15S4-3W230	95422050
25	1	6	230	25FV1S4-2W230	95422520	25FV1S4-3W230	95422545
	1.5	8	230	25FV15S4-2W230	95422525	25FV15S4-3W230	95422550

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

# Submersible Pumps

## 4" Series V Pumps

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

### Plastic Ordering Information

GPM	HP	Stg	Volts	2-Wire		3-Wire	
				Model No.	Order No.	Model No.	Order No.
5	1/2	8	115	5FV05P4-2W115	95400505	5FV05P4-3W115	95400530
	1/2	8	230	5FV05P4-2W230	95400510	5FV05P4-3W230	95400535
	3/4	12	230	5FV07P4-2W230	95400515	5FV07P4-3W230	95400540
	1	15	230	5FV1P4-2W230	95400520	5FV1P4-3W230	95400545
	1.5	21	230	5FV15P4-2W230	95400525	5FV15P4-3W230	95400550
7	1/2	7	115	7FV05P4-2W115	95400705	7FV05P4-3W115	95400730
	1/2	7	230	7FV05P4-2W230	95400710	7FV05P4-3W230	95400735
	3/4	10	230	7FV07P4-2W230	95400715	7FV07P4-3W230	95400740
	1	13	230	7FV1P4-2W230	95400720	7FV1P4-3W230	95400745
	1.5	18	230	7FV15P4-2W230	95400725	7FV15P4-3W230	95400750
10	1/2	6	115	10FV05P4-2W115	95401005	10FV05P4-3W115	95401030
	1/2	6	230	10FV05P4-2W230	95401010	10FV05P4-3W230	95401035
	3/4	8	230	10FV07P4-2W230	95401015	10FV07P4-3W230	95401040
	1	11	230	10FV1P4-2W230	95401020	10FV1P4-3W230	95401045
	1.5	15	230	10FV15P4-2W230	95401025	10FV15P4-3W230	95401050
15	1/2	4	115	15FV05P4-2W115	95401505	15FV05P4-3W115	95401530
	1/2	4	230	15FV05P4-2W230	95401510	15FV05P4-3W230	95401535
	3/4	6	230	15FV07P4-2W230	95401515	15FV07P4-3W230	95401540
	1	8	230	15FV1P4-2W230	95401520	15FV1P4-3W230	95401545
	1.5	11	230	15FV15P4-2W230	95401525	15FV15P4-3W230	95401550
20	3/4	5	230	20FV07P4-2W230	95402015	20FV07P4-3W230	95402040
	1	7	230	20FV1P4-2W230	95402020	20FV1P4-3W230	95402045
	1.5	10	230	20FV15P4-2W230	95402025	20FV15P4-3W230	95402050
25	1	6	230	25FV1P4-2W230	95402520	25FV1P4-3W230	95402545
	1.5	8	230	25FV15P4-2W230	95402525	25FV15P4-3W230	95402550

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

# Submersible Pumps

## 4" Series V Pumps

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

### Pump End Assemblies Only Ordering Information

Plastic				
GPM	HP	Stg	Model No.	Order No.
5	1/2	8	5FV05P4-PE	95410500
	3/4	12	5FV07P4-PE	95410501
	1	15	5FV1P4-PE	95410502
	1.5	21	5FV15P4-PE	95410503
7	1/2	7	7FV05P4-PE	95410700
	3/4	10	7FV07P4-PE	95410701
	1	13	7FV1P4-PE	95410702
	1.5	18	7FV15P4-PE	95410703
10	1/2	6	10FV05P4-PE	95411000
	3/4	8	10FV07P4-PE	95411001
	1	11	10FV1P4-PE	95411002
	1.5	15	10FV15P4-PE	95411003
15	1/2	4	15FV05P4-PE	95411500
	3/4	6	15FV07P4-PE	95411501
	1	8	15FV1P4-PE	95411502
	1.5	11	15FV15P4-PE	95411503
20	3/4	5	20FV07P4-PE	95412001
	1	7	20FV1P4-PE	95412002
	1.5	10	20FV15P4-PE	95412003
25	1	6	25FV1P4-PE	95412501
	1.5	8	25FV15P4-PE	95412502

**Notes:** Discharge is 1-1/4" NPT. Maximum diameter across cable guard is 3.90" on all models.

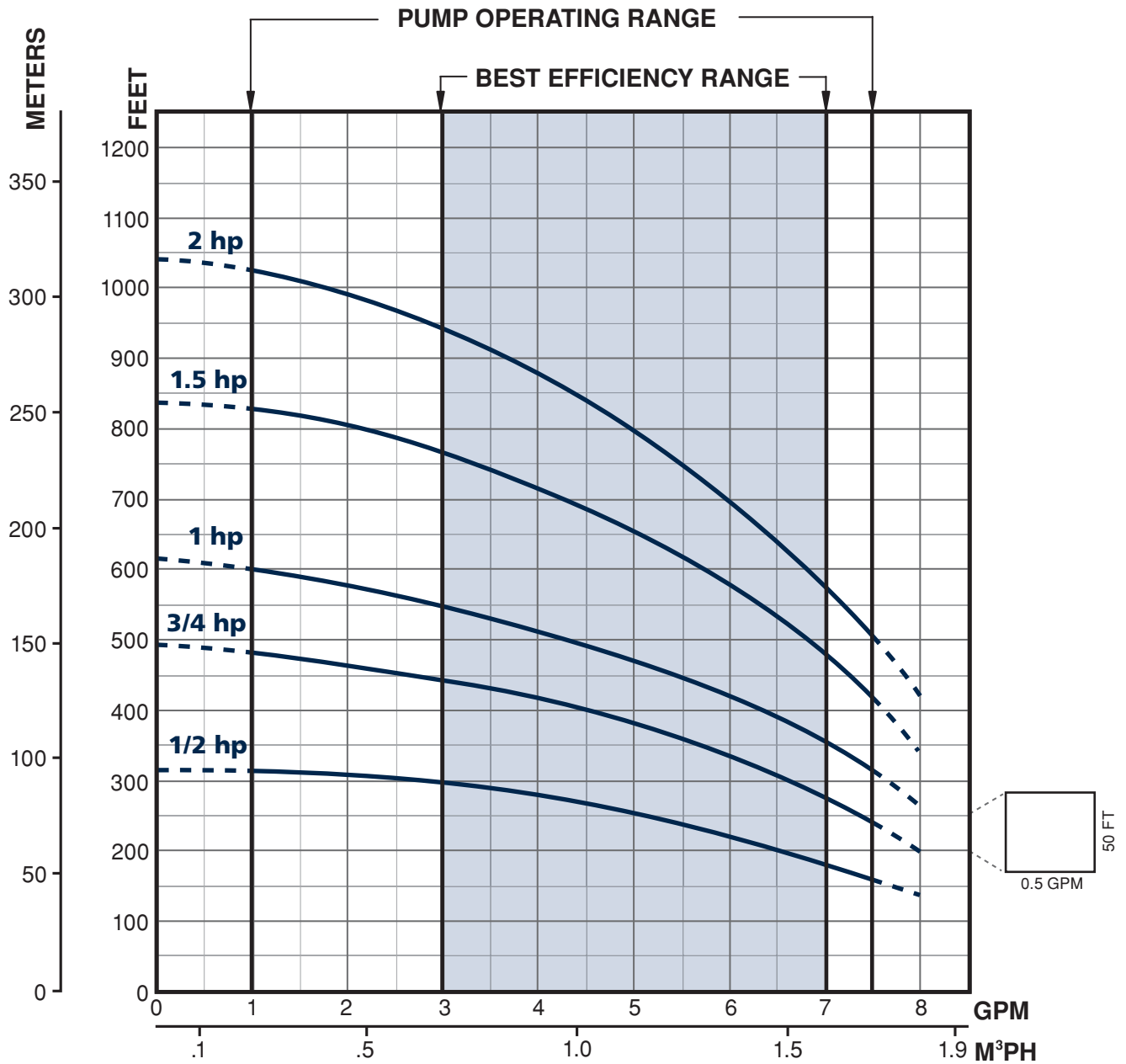
Stainless Steel				
GPM	HP	Stg	Model No.	Order No.
5	1/2	8	5FV05S4-PE	95430500
	3/4	12	5FV07S4-PE	95430501
	1	15	5FV1S4-PE	95430502
	1.5	21	5FV15S4-PE	95430503
	2	26	5FV2S4-PE	95430504
7	1/2	7	7FV05S4-PE	95430700
	3/4	10	7FV07S4-PE	95430701
	1	13	7FV1S4-PE	95430702
	1.5	18	7FV15S4-PE	95430703
	2	24	7FV2S4-PE	95430704
10	3	32	7FV3S4-PE	95430705
	1/2	6	10FV05S4-PE	95431000
	3/4	8	10FV07S4-PE	95431001
	1	11	10FV1S4-PE	95431002
	1.5	15	10FV15S4-PE	95431003
15	2	18	10FV2S4-PE	95431004
	3	24	10FV3S4-PE	95431005
	5	39	10FV5S4-PE	95431006
	1/2	4	15FV05S4-PE	95431500
	3/4	6	15FV07S4-PE	95431501
20	1	8	15FV1S4-PE	95431502
	1.5	11	15FV15S4-PE	95431503
	2	14	15FV2S4-PE	95431504
	3	19	15FV3S4-PE	95431505
	5	31	15FV5S4-PE	95431506
25	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
25	5	23	25FV5S4-PE	95432505

**Notes:** Discharge is 1-1/4" NPT. Maximum diameter across cable guard is 3.90" on all models.

# Submersible Pumps

## 4" Series V Pumps

### 5 GPM Performance Curves



# Submersible Pumps

## 4" Series V Pumps

### 5 GPM Performance Charts

#### Capacities in U.S. Gallons per Minute

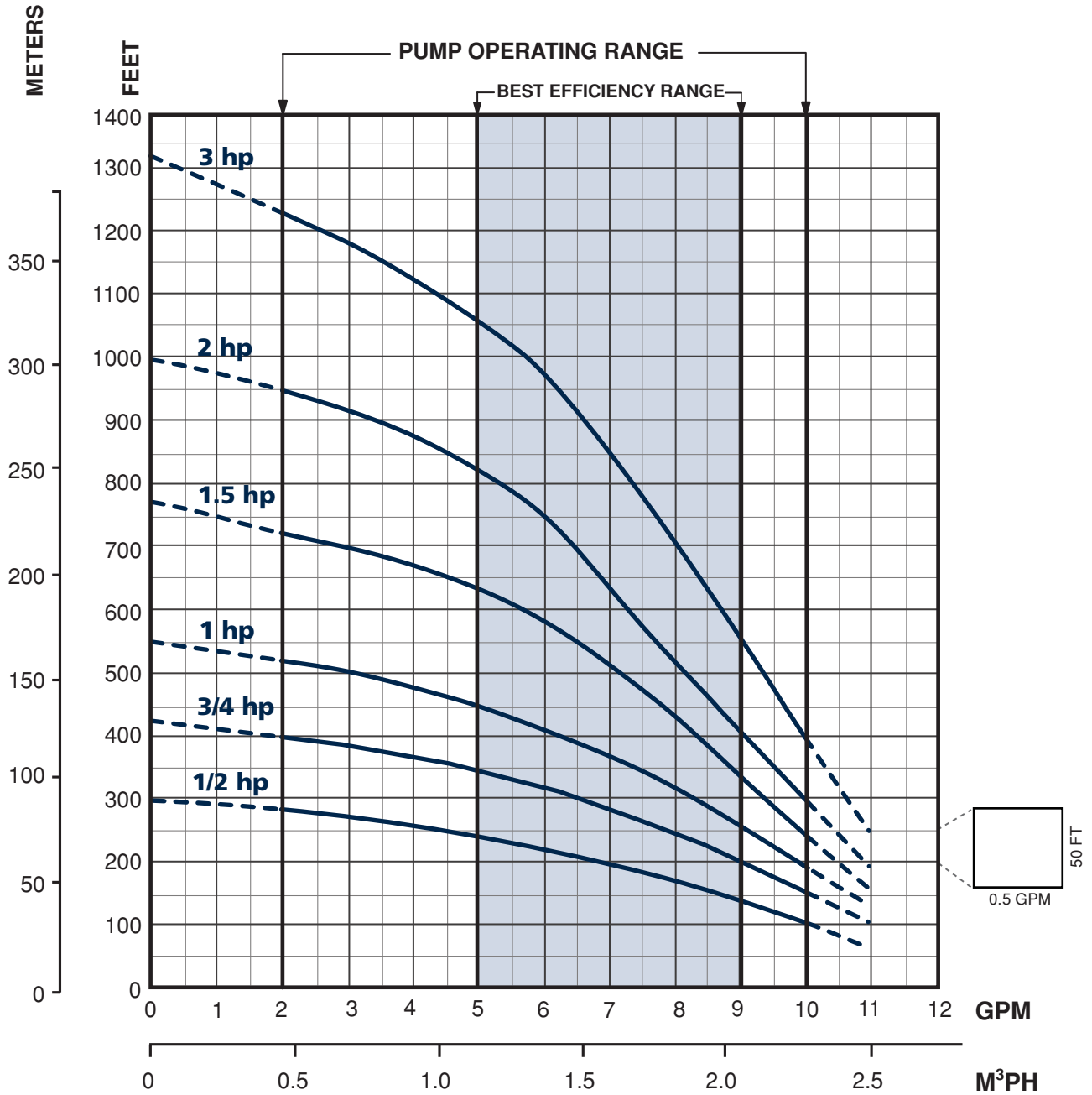
HP	PSI	Depth to Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																								
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600	700		800	900	1000	
1/2	0							7	7	6	6	5	4												Shut-off 315 ft	
	20					8	7	6	6	5	5	3	2													
	30				7	7	6	6	5	5	4	2														
	40			7	7	6	6	5	5	4	3															
	50		7	6	6	6	5	5	4	2																
	60	7	7	6	6	5	4	4	2																	
	80	6	6	5	4	3																				
Shut-off PSI		127	119	110	101	93	84	75	67	58	49	32	23													
3/4	0										7	7	7	6	5	4	3								Shut-off 495 ft	
	20									7	7	7	6	6	5	4	3									
	30								7	7	7	6	6	6	5	3										
	40							7	7	7	6	6	6	5	4	2										
	50						7	7	7	6	6	6	5	5	4											
	60				7	7	7	6	6	6	5	5	4	3												
	80		7	7	7	6	6	6	5	5	4	3	3													
Shut-off PSI		205	196	188	179	171	162	153	145	136	127	110	101	84	58	41	23									
1	0												8	7	6	6	5	4	4						Shut-off 615 ft	
	20											7	7	7	6	5	4	3								
	30											7	7	7	6	5	5	3	2							
	40										7	7	7	7	6	5	4	3								
	50									7	7	7	7	6	6	4	3									
	60								7	7	7	7	6	6	5	4										
	80							7	7	7	6	6	5	5	4											
Shut-off PSI		257	248	240	231	222	214	205	197	188	179	162	153	136	110	93	75	58	49							
1.5	0															7	7	7	6	5	4	2			Shut-off 835 ft	
	20															7	7	7	6	6	5	3				
	30															7	7	7	6	6	6	4	3			
	40															7	7	7	6	6	6	5	4	2		
	50														7	7	7	7	6	6	5	5	3			
	60														7	7	7	6	6	5	5	5	3			
	80										7	7	7	7	6	6	5	5	4	4	2					
Shut-off PSI		352	344	335	326	318	309	300	292	283	274	257	249	231	205	188	171	153	145	101	58	15				
2	0																7	7	7	6	5	4	3		Shut-off 1040 ft	
	20																7	7	7	7	6	5	4	2		
	30																7	7	7	7	6	6	5	3		
	40																7	7	7	6	6	6	5	3		
	50																7	7	7	7	6	6	5	4		3
	60																7	7	7	6	6	6	5	4		3
	80													7	7	7	7	6	6	6	6	5	3			
Shut-off PSI		441	432	424	415	406	398	389	381	372	363	346	337	320	294	277	259	242	233	190	147	104	60			

- 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

## 4" Series V Pumps

### 7 GPM Performance Curves



# Submersible Pumps

## 4" Series V Pumps

### 7 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	240	260	300	360	400	440	480	500	600	700	800	900	1000
1/2	0				10	10	9	9	8	7	6	5	4											
	20		10	9	9	8	8	7	6	5	4													
	30	10	9	9	8	7	7	6	5	4	3													
	40	9	9	8	8	7	6	5	4	3														
	50	9	8	7	7	6	5	4	3															
	60	8	7	6	6	5	4	3																
	80	6	5	4	3																			
Shut-off PSI		121	112	103	95	86	77	69	60	52	43	26	17											
3/4	0					10	10	9	9	9	8	7	6	4										
	20			10	10	10	9	9	8	8	7	6	6	4										
	30		10	10	10	9	9	8	8	7	7	6	5	3										
	40	10	10	10	9	9	8	8	7	7	6	5	4											
	50	10	9	9	9	8	8	7	7	6	6	4	3											
	60	9	9	9	8	8	7	7	6	6	5	3												
	80	8	8	8	7	6	6	5	5	4	3													
Shut-off PSI		174	165	156	148	139	130	122	113	104	96	78	70	52	26									
1	0						10	10	10	9	9	8	8	7	6	5	3	3						
	20					10	10	10	9	9	8	8	7	6	5	4								
	30			10	10	10	10	9	9	9	8	8	7	6	5	4								
	40		10	10	10	10	9	9	9	8	8	7	7	6	4	3								
	50	10	10	10	10	9	9	9	8	8	8	7	6	5	3									
	60	10	10	9	9	9	8	8	8	8	7	6	6	5	3									
	80	9	9	9	8	8	8	7	7	7	6	5	5	3										
Shut-off PSI		226	218	209	200	192	183	174	166	157	148	131	123	105	79	62	45	27	18					
1.5	0							10	10	10	9	9	9	8	8	7	7	7	5	2				
	20						10	10	10	10	9	9	9	8	8	7	7	6	6	4				
	30				10	10	10	10	10	9	9	9	8	8	7	7	6	6	3					
	40			10	10	10	10	9	9	9	9	8	8	7	7	6	6	5	3					
	50		10	10	10	10	9	9	9	9	8	8	8	7	6	6	5	5						
	60	10	10	10	10	9	9	9	9	8	8	8	7	7	6	6	5	4						
	80	10	10	9	9	9	9	8	8	8	8	7	7	6	5	4	3							
Shut-off PSI		322	313	305	296	287	279	270	261	253	244	227	218	201	175	158	140	123	114	71	28			
2	0								10	10	10	10	9	9	9	8	8	8	7	6	5	3		
	20							10	10	10	10	10	9	9	9	8	8	7	7	6	6	4		
	30							10	10	10	10	10	9	9	9	8	8	7	7	6	5	4		
	40						10	10	10	10	10	9	9	9	9	8	8	7	7	6	5	3		
	50				10	10	10	10	10	9	9	9	9	8	8	8	7	7	7	6	5	3		
	60			10	10	10	10	10	9	9	9	9	9	8	8	7	7	7	6	4				
	80	10	10	10	10	10	9	9	9	9	9	8	8	7	7	6	6	5	3					
Shut-off PSI		421	412	404	395	386	378	369	360	352	343	326	317	300	274	257	239	222	213	170	127	84	40	
3	0			10	9	9	8	7	7	6	5	4	2											
	20		10	9	9	8	8	7	6	6	5	3												
	30		10	9	9	8	8	7	6	6	4	3												
	40		10	9	9	8	7	7	6	5	4													
	50	10	10	9	8	8	7	7	6	5	4													
	60	10	10	9	8	8	7	7	6	5	3													
	80	10	9	8	8	7	7	6	5	4	2													
Shut-off PSI		523	480	437	394	350	307	264	221	177	134	91	48											

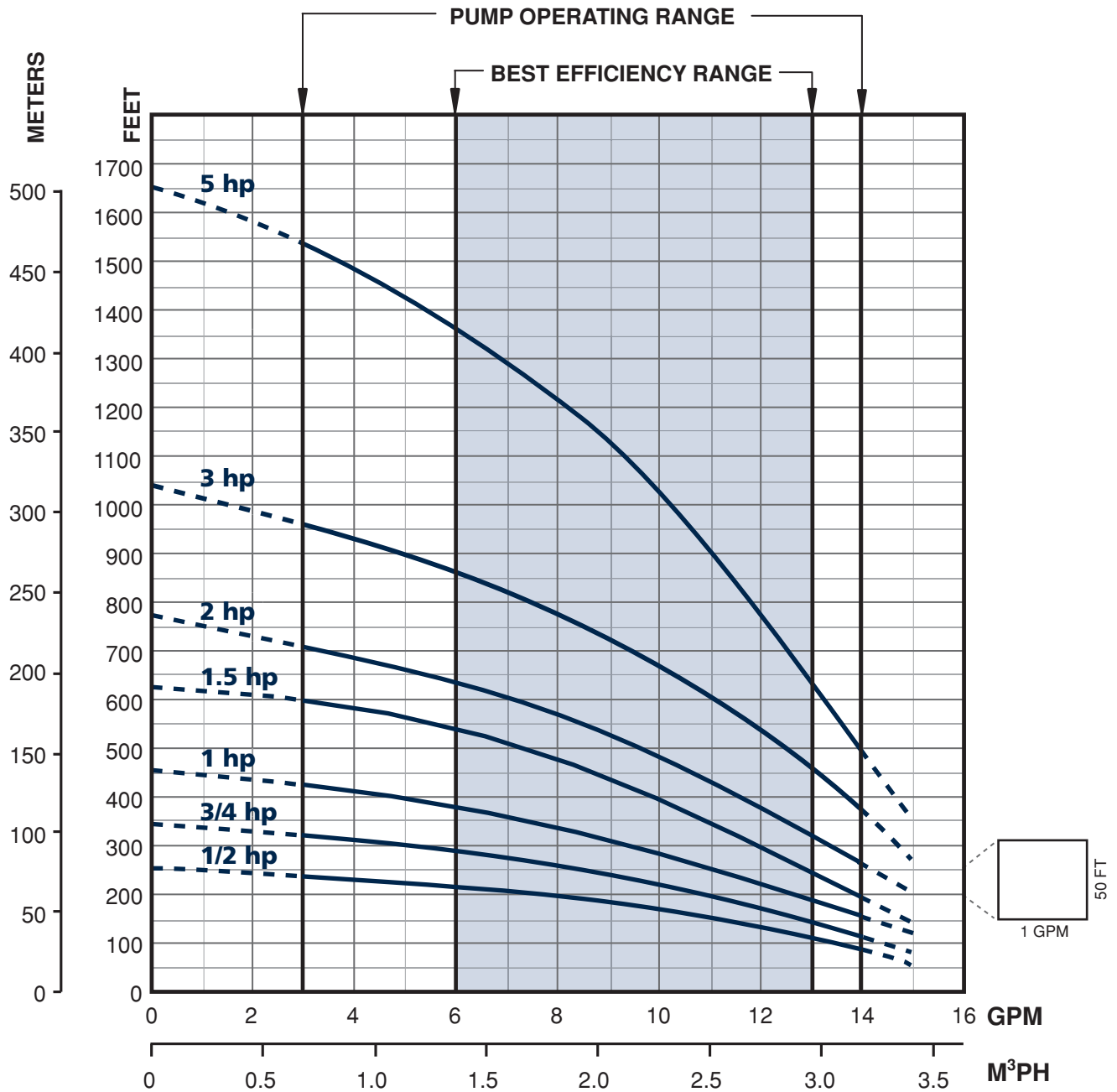
- Notes: 1. Performance shown does not include friction loss in the drop pipe.  
 2. All performance data is based on rated motor nameplate voltage.



# Submersible Pumps

## 4" Series V Pumps

### 10 GPM Performance Curves



# Submersible Pumps

## 4" Series V Pumps 10 GPM Performance Charts

### Capacities in U.S. Gallons per Minute

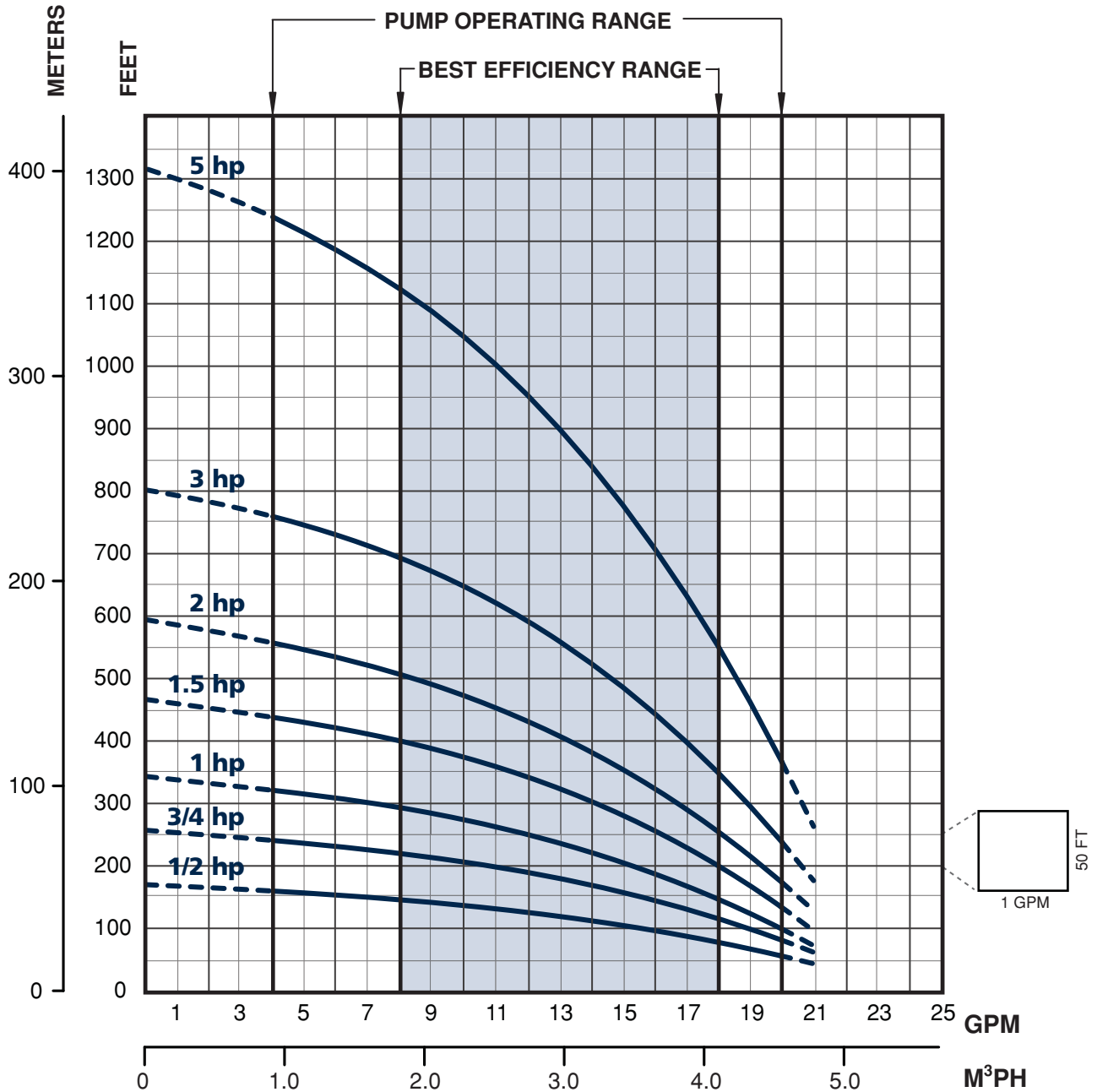
HP	PSI	Depth to Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																						
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600	700	800	900	1000
1/2	0				14	13	12	11	10	9	7													
	20	14	13	13	12	11	10	8	6	3														
	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	13	12	11	10	7	8	4											
	20		14	14	13	12	11	10	9	8	6	4												
	30	14	14	13	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	10	9	9	8	7						
	20							14	13	13	12	12	11	11	9	8	7	6	5					
	30					14	13	13	12	12	11	11	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	12	12	11	11	10	9	9	7	6	4									
	80	13	13	13	12	12	11	11	11	10	10	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	10	9	6						
	20									14	13	13	12	11	10	9	8	5						
	30								14	13	13	12	12	10	10	9	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	12	12	12	11	11	10	9	8	7	6	5						
	80		14	13	13	12	12	11	11	10	9	8	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	10	8	6	3		
	30													14	14	13	13	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	7	4		
	60									14	14	14	13	13	12	12	11	11	10	9	6	3		
	80								14	14	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	
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: 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

## 4" Series V Pumps

### 15 GPM Performance Curves



# Submersible Pumps

## 4" Series V Pumps

### 15 GPM Performance Charts

#### Capacities in U.S. Gallons per Minute

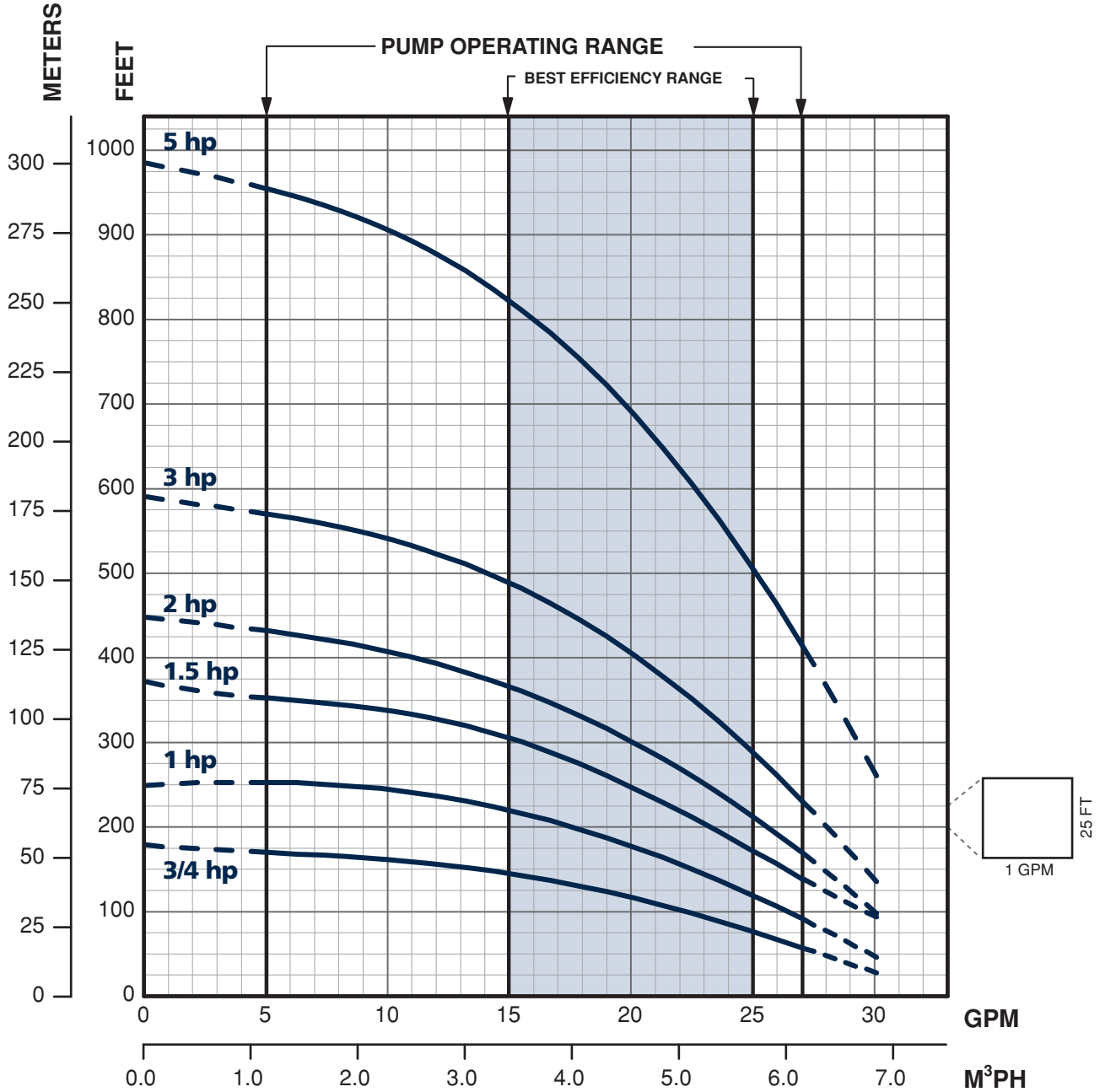
HP	PSI	Depth to Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																								
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600	700	800	900	1000	1100	1200
1/2	0			20	18	16	13	9	4																	
	20	19	17	15	12	8																				
	30	17	14	11	7																					
	40	14	11	6																						
	50	10	5																							
	60	4																								
	80																									
Shut-off PSI		65	56	48	39	30	22	13	4																	
3/4	0				20	19	18	16	15	13	11															
	20		20	19	17	16	14	12	10	7																
	30	20	18	17	16	14	12	10	6																	
	40	18	17	15	14	12	9	6																		
	50	17	15	13	11	9	5																			
	60	15	13	11	8	4																				
	80	10	7																							
Shut-off PSI		103	94	85	77	68	59	51	42	33	25															
1	0				20	19	18	17	16	15	13	11	7													
	20			20	19	18	17	16	15	14	12	9	6													
	30	20	20	19	18	17	16	15	14	12	10	6														
	40	19	19	18	17	16	15	13	12	10	8															
	50	18	18	17	16	14	13	12	10	8	5															
	60	17	16	15	14	13	11	10	7	4																
	80	15	14	12	11	9	6																			
Shut-off PSI		140	131	123	114	105	97	88	79	71	62	45	36	19												
1.5	0				20	20	19	19	18	17	16	14	11	8	4											
	20				20	19	18	18	17	16	15	14	12	7												
	30			20	20	19	18	17	16	15	14	13	10	5												
	40		20	19	19	18	18	17	16	15	15	13	11	9												
	50	20	19	19	18	17	17	16	15	14	13	11	10	7												
	60	19	19	18	17	17	16	15	14	13	12	10	8	4												
	80	18	17	16	16	15	14	13	12	11	9	6														
Shut-off PSI		193	185	176	167	159	150	141	133	124	115	98	72	46	29	11										
2	0						20	20	19	18	18	17	15	13	12	10	8									
	20						20	20	19	19	18	17	17	15	13	11	9	7	5							
	30					20	20	19	19	18	18	16	16	14	12	10	8	5								
	40			20	20	20	19	19	18	18	17	16	16	14	11	9	6									
	50		20	20	19	19	19	18	17	17	16	15	14	13	10	7	4									
	60	20	20	19	19	18	18	17	17	16	16	14	13	12	9	6										
	80	19	19	18	18	17	17	16	15	15	14	12	11	9	5											
Shut-off PSI		249	240	231	223	214	205	197	188	179	171	153	145	127	101	84	67	49	41							
3	0								20	20	19	18	17	16	15	15	12	8								
	20								20	20	20	19	19	18	17	16	15	14	13	10	5					
	30								20	20	20	19	19	18	18	16	15	14	13	13	9					
	40								20	20	20	19	19	18	18	17	16	15	14	13	12	8				
	50						20	20	20	19	19	19	18	18	17	15	14	13	12	11	7					
	60				20	20	20	19	19	19	18	17	17	16	15	14	12	11	10	5						
	80	20	20	20	20	19	19	19	18	18	17	16	16	15	13	12	11	9	8							
Shut-off PSI		339	330	321	313	304	295	287	278	269	261	243	235	217	191	174	157	139	131	87	44					
5	0														20	20	19	19	17	16	15	13	11	9	6	
	20														20	20	19	19	18	17	15	14	12	10	7	
	30														20	20	19	19	18	18	17	15	14	12	9	
	40														20	20	19	19	18	18	16	15	13	11	9	
	50														20	20	20	19	19	18	17	17	16	14	13	
	60														20	20	20	20	19	18	17	17	16	14	13	
	80									20	20	20	20	19	19	19	18	18	17	17	16	15	13	11	9	
Shut-off PSI		561	553	544	535	527	518	509	501	492	483	466	457	440	414	397	379	362	353	310	267	224	180	137		

- 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

## 4" Series V Pumps

### 20 GPM Performance Curves



# Submersible Pumps

## 4" Series V Pumps

### 20 GPM Performance Charts

#### Capacities in U.S. Gallons per Minute

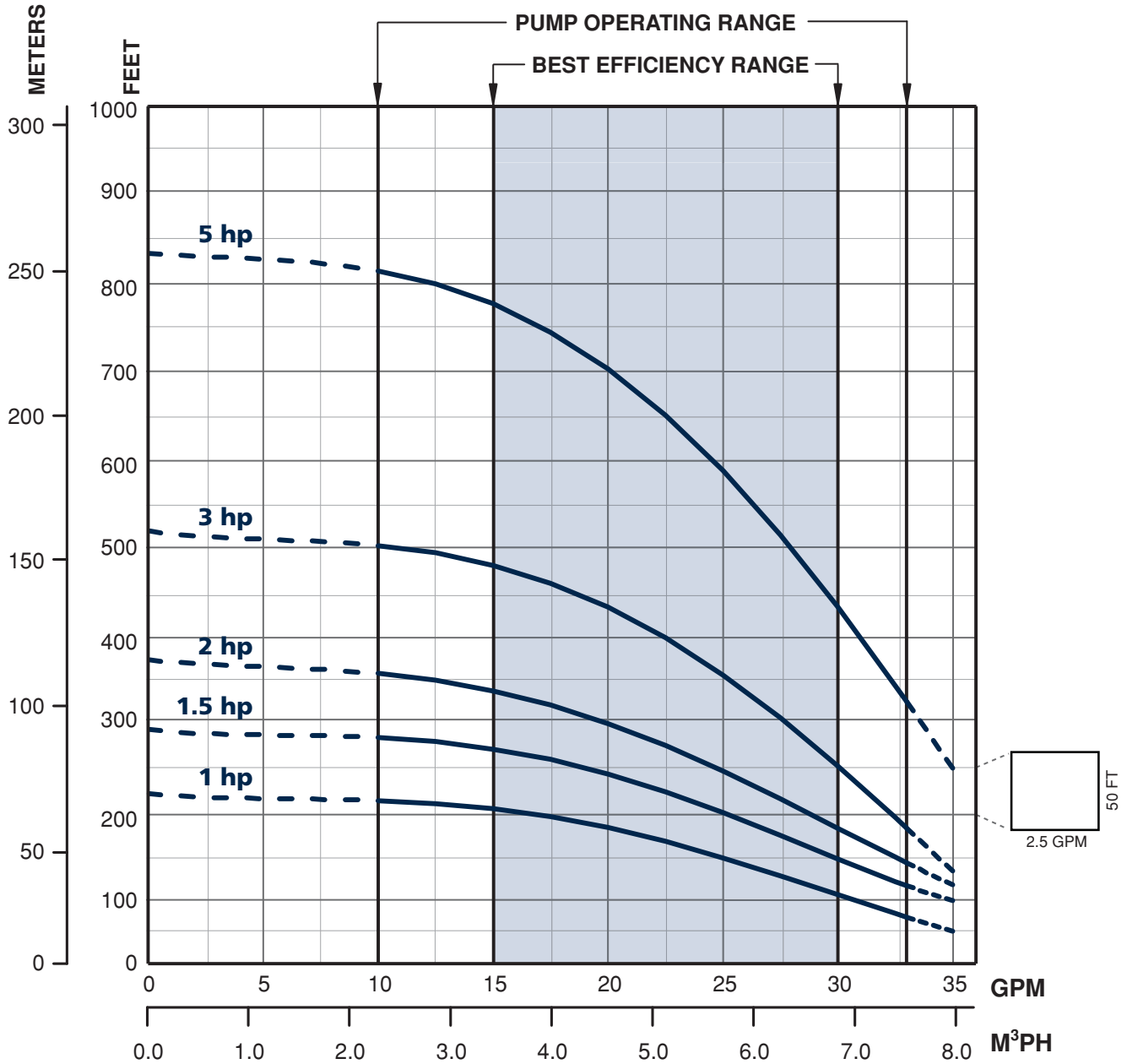
HP	PSI	Depth to Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																								
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480		500	600	700	800	900	1000	
3/4	0				24	22	21	18	14																	Shut-off 190 ft
	20		23	21	19	17	12																			
	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														Shut-off 251 ft	
	20			27	26	24	22	19	17	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																				
Shut-off PSI		100	91	83	74	66	57	48	40	31	22	5														
1.5	0						27	25	23	24	22	20	17	6											Shut-off 379 ft	
	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															
Shut-off PSI		156	147	138	130	121	112	104	95	86	78	60	52	34	8											
2	0									24	23	20	16	12											Shut-off 453 ft	
	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														
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								Shut-off 601 ft	
	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											
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						Shut-off 982 ft	
	20															24	21	18	13							
	30															24	23	20	17	11						
	40															24	23	20	16	10						
	50															24	22	22	17	15						
	60															24	23	22	21	18	14					
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: 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

## 4" Series V Pumps

### 25 GPM Performance Curves



# Submersible Pumps

## 4" Series V Pumps

### 25 GPM Performance Charts

#### Capacities in U.S. Gallons per Minute

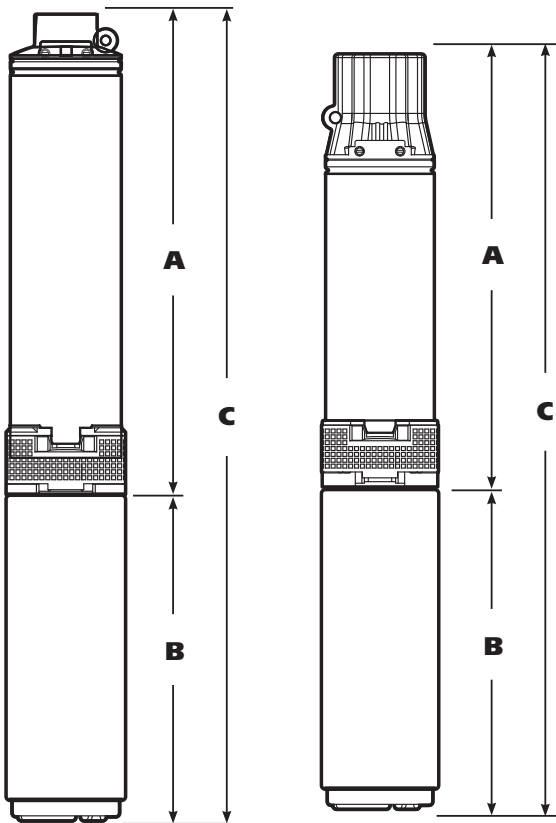
HP	PSI	Depth to Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																							
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600		700	800	900	1000
1	0			35	33	31	28	26	24	21	17														Shut-off 222 ft
	20		32	30	28	25	22	18	15																
	30	32	29	27	25	22	19																		
	40	29	27	25	22	19																			
	50	26	24	21	16																				
	60	24	21	17																					
Shut-off PSI		87	79	70	61	53	44	35	27	18	10														
1.5	0					33	31	29	27	25	21	19												Shut-off 297 ft	
	20				32	30	28	26	24	22	19														
	30			32	30	28	26	24	22	19	16														
	40	33	32	29	27	25	23	21	19	15															
	50	32	29	27	25	23	21	18																	
	60	29	27	25	23	20	18																		
80	24	22	20	17																					
Shut-off PSI		120	111	103	94	85	77	68	59	51	42	25	16												
2	0				34	33	31	29	28	26	25	21	20											Shut-off 375 ft	
	20				34	33	31	29	28	26	24	23	19	17											
	30			34	33	31	29	28	26	24	23	21	17												
	40		34	33	31	29	28	26	24	23	21	17													
	50	33	32	30	29	27	26	24	22	20	18														
	60	32	30	28	27	26	24	22	20	18															
80	28	26	25	23	21	20	17																		
Shut-off PSI		154	145	136	128	119	110	102	93	84	76	58	50	32											
3	0							33	32	30	29	28	24	22	19	15								Shut-off 519 ft	
	20					33	32	32	31	30	29	27	26	24	20										
	30					33	32	32	31	30	29	27	26	24	20										
	40				33	32	32	31	30	29	28	26	25	22	18										
	50			33	32	31	31	30	29	28	27	24	23	21	15										
	60		33	32	31	31	30	29	28	26	25	23	22	19											
80	32	31	30	29	28	27	26	25	24	23	20	19	15												
Shut-off PSI		216	207	199	190	181	173	164	155	147	138	121	112	95	69	52	34	17							
5	0												33	32	31	30	28	28	24	20				Shut-off 833 ft	
	20												33	32	30	30	28	27	26	22	17				
	30												33	33	31	30	28	27	26	25	21	15			
	40												33	32	32	31	29	28	27	25	24	20			
	50												33	33	32	31	30	28	27	25	24	23	19		
	60												33	33	32	31	31	30	28	26	25	23	22		18
80												33	33	32	31	31	30	28	26	25	23	21	20		
Shut-off PSI		352	343	326	317	309	300	291	283	274	257	248	231	205	187	170	153	144	101	58					

- 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

## 4" Series V Pumps Dimensions



Note: All lengths are in inches  
All weights are in pounds  
Maximum diameter with cable guard is 3.90"

### Plastic with 2-Wire Motors

GPM	HP	Stages	A	B	C	PE WT.	PMA WT.
5	1/2	8	14.29	9.51	23.80	8	26
	3/4	12	17.80	10.64	28.44	9	30
	1	15	20.28	11.73	32.01	10	34
	1.5	21	25.23	15.10	40.33	12	43
7	1/2	7	13.47	9.51	22.98	7	25
	3/4	10	15.95	10.64	26.59	8	29
	1	13	18.62	11.73	30.35	10	34
	1.5	18	22.77	15.10	37.87	11	42
10	1/2	6	13.13	9.51	22.64	7	25
	3/4	8	14.95	10.64	25.59	8	29
	1	11	17.88	11.73	29.61	9	33
	1.5	15	21.52	15.10	36.62	10	41
15	1/2	4	11.51	9.51	21.02	6	24
	3/4	6	13.13	10.64	23.77	7	28
	1	8	14.95	11.73	26.68	8	32
	1.5	11	17.68	15.10	32.78	9	40
20	3/4	5	13.79	10.64	24.43	6	28
	1	7	16.23	11.73	27.96	7	31
	1.5	10	19.91	15.10	35.01	8	39
25	1	6	15.01	11.73	26.74	7	31
	1.5	8	17.46	15.10	32.56	8	39

### Plastic with 3-Wire Motors

GPM	HP	Stages	A	B	C	PE WT.	PMA WT.
5	1/2	8	14.29	9.51	23.80	8	27
	3/4	12	17.80	10.64	28.44	9	30
	1	15	20.28	11.73	32.01	10	34
	1.5	21	25.23	13.60	38.83	12	40
7	1/2	7	13.47	9.51	22.98	7	26
	3/4	10	15.95	10.64	26.59	8	29
	1	13	18.62	11.73	30.35	10	34
	1.5	18	22.77	13.60	36.37	11	39
10	1/2	6	13.13	9.51	22.64	7	26
	3/4	8	14.95	10.64	25.59	8	29
	1	11	17.88	11.73	29.61	9	33
	1.5	15	21.52	13.60	35.12	10	38
15	1/2	4	11.51	9.51	21.02	6	25
	3/4	6	13.13	10.64	23.77	7	28
	1	8	14.95	11.73	26.68	8	32
	1.5	11	17.68	13.60	31.28	9	37
20	3/4	5	13.79	10.64	24.43	6	28
	1	7	16.23	11.73	27.96	7	31
	1.5	10	19.91	13.60	33.51	8	36
25	1	6	15.01	11.73	26.74	7	31
	1.5	8	17.46	13.60	31.06	8	36

Note: PE - Pump end only PMA - Pump and motor assembly

# Submersible Pumps

## 4" Series V Pumps Dimensions

### Stainless Steel with 2-Wire Motors

GPM	HP	Stages	A	B	C	PE WT.	PMA WT.
5	1/2	8	14.31	9.51	23.82	10	28
	3/4	12	17.62	10.64	28.26	12	33
	1	15	20.10	11.73	31.83	14	38
	1.5	21	25.06	15.10	40.16	17	48
7	1/2	7	13.49	9.51	23.00	9	27
	3/4	10	15.97	10.64	26.61	11	32
	1	13	18.45	11.73	30.18	13	37
	1.5	18	22.59	15.10	37.69	15	46
10	1/2	6	13.15	9.51	22.66	9	27
	3/4	8	14.97	10.64	25.61	10	31
	1	11	17.70	11.73	29.43	11	35
	1.5	15	21.34	15.10	36.44	14	45
15	1/2	4	11.33	9.51	20.84	7	25
	3/4	6	13.15	10.64	23.79	9	30
	1	8	14.97	11.73	26.70	10	34
	1.5	11	17.70	15.10	32.80	11	42
20	3/4	5	13.84	10.64	24.48	8	29
	1	7	16.30	11.73	28.03	9	33
	1.5	10	19.98	15.10	33.85	11	42
25	1	6	15.07	11.73	26.80	9	33
	1.5	8	17.52	15.10	32.62	10	41

Note: PE - Pump end only  
PMA - Pump and motor assembly

### Stainless Steel with 3-Wire Motors

GPM	HP	Stages	A	B	C	PE WT.	PMA WT.
5	1/2	8	14.31	9.51	23.82	10	29
	3/4	12	17.62	10.64	28.26	12	33
	1	15	20.10	11.73	31.83	14	38
	1.5	21	25.06	13.60	38.66	17	45
	2	26	31.48	15.10	46.58	20	N/A
7	1/2	7	13.49	9.51	23.00	9	28
	3/4	10	15.97	10.64	26.61	11	32
	1	13	18.45	11.73	30.18	13	37
	1.5	18	22.59	13.60	36.19	15	43
	2	24	27.74	15.10	42.84	19	N/A
10	3	32	36.44	19.04	55.48	23	N/A
	1/2	6	13.15	9.51	22.66	9	28
	3/4	8	14.97	10.64	25.61	10	31
	1	11	17.70	11.73	29.43	11	35
	1.5	15	21.34	13.60	34.94	14	42
15	2	18	26.15	15.10	41.25	15	N/A
	3	24	31.81	19.04	50.85	19	N/A
	5	39	45.45	28.19	74.64	27	N/A
	1/2	4	11.33	9.51	20.84	7	26
	3/4	6	13.15	10.64	23.79	9	30
20	1	8	14.97	11.73	26.70	10	34
	1.5	11	17.70	13.60	31.30	11	39
	2	14	20.43	15.10	35.53	13	N/A
	3	19	27.09	19.04	46.13	16	N/A
	5	31	38.30	29.19	67.49	23	N/A
25	3/4	5	13.84	10.64	24.48	8	29
	1	7	16.30	11.73	28.03	9	33
	1.5	10	19.98	13.60	32.35	11	39
	2	12	22.45	15.10	37.55	12	N/A
	3	16	27.56	19.04	46.60	14	N/A
25	5	26	41.92	29.19	71.11	20	N/A
	1	6	15.07	11.73	26.80	9	33
	1.5	8	17.52	13.60	31.12	10	38
	2	10	19.98	15.10	35.08	11	N/A
	3	14	24.90	19.04	43.94	13	N/A
25	5	23	38.24	29.19	67.43	18	N/A