

# Submersible Pumps

## 4" TRI-SEAL Pumps

### Features & Ordering Information



# J-CLASS

## SandHandler

### 4" SandHandler TRI-SEAL

The Standard J-Class SandHandler 4" submersible pump features the new TRI-SEAL floating stage system. This new stage system further improves efficiency and protects against wear when pumping abrasives (sand). All J-Class SandHandler pumps are unconditionally guaranteed against sand locking in abrasive well conditions for one full year. For details on how to become a registered dealer and receive a 5-year warranty, contact your local distributor.

#### Features:

- 300 series stainless steel hub floats with the impeller maintaining a positive seal
- Phenolic washer provides down-thrust protection
- Celcon® impeller provides high efficiency performance and abrasion resistance
- Noryl® diffuser and disc - proven abrasion resistant material
- Floating stage design allows impeller to float independently
- Removable, spring-loaded check valve
- Maximum water temperature: 120 °F/49 °C
- Ceramic shaft sleeve and rubber discharge bearing protect shaft and eliminate sand wear
- Powered by Franklin Electric corrosion resistant 4" submersible motors

Celcon® is a Registered Trademark of the Celanese Corp.  
Noryl® is a Registered Trademark of G.E.

Patented impeller hub seal system seals radially and axially to prevent fluid recirculation, providing high performance in the harshest conditions.

CSA CERTIFIED  
PUMP END ONLY



Drinking Water  
NSF/ANSI 61

## TRI-SEAL™ Floating Stage System

U.S. Patent No. 7,290,984

# Submersible Pumps

## 4" TRI-SEAL Pumps Features & Ordering Information

### Stainless Steel Ordering Information:

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

GPM	HP	STG	VOLTS	2-WIRE		3-WIRE	
				MODEL NO.	ORDER NO.	MODEL NO.	ORDER NO.
5	1/2	8	115	5JS05S4-2W115	93760505	5JS05S4-3W115	93760530
	1/2	8	230	5JS05S4-2W230	93760510	5JS05S4-3W230	93760535
	3/4	12	230	5JS07S4-2W230	93760515	5JS07S4-3W230	93760540
	1	15	230	5JS1S4-2W230	93760520	5JS1S4-3W230	93760545
	1.5	21	230	5JS15S4-2W230	93760525	5JS15S4-3W230	93760550
7	1/2	7	115	7JS05S4-2W115	93760705	7JS05S4-3W115	93760730
	1/2	7	230	7JS05S4-2W230	93760710	7JS05S4-3W230	93760735
	3/4	10	230	7JS07S4-2W230	93760715	7JS07S4-3W230	93760740
	1	13	230	7JS1S4-2W230	93760720	7JS1S4-3W230	93760745
	1.5	18	230	7JS15S4-2W230	93760725	7JS15S4-3W230	93760750
10	1/2	6	115	10JS05S4-2W115	93761005	10JS05S4-3W115	93761005
	1/2	6	230	10JS05S4-2W230	93761010	10JS05S4-3W230	93761010
	3/4	8	230	10JS07S4-2W230	93761015	10JS07S4-3W230	93761015
	1	11	230	10JS1S4-2W230	93761020	10JS1S4-3W230	93761020
	1.5	15	230	10JS15S4-2W230	93761025	10JS15S4-3W230	93761025
15	1/2	4	115	15JS05S4-2W115	93761505	15JS05S4-3W115	93761530
	1/2	4	230	15JS05S4-2W230	93761510	15JS05S4-3W230	93761535
	3/4	6	230	15JS07S4-2W230	93761515	15JS07S4-3W230	93761540
	1	8	230	15JS1S4-2W230	93761520	15JS1S4-3W230	93761545
	1.5	11	230	15JS15S4-2W230	93761525	15JS15S4-3W230	93761550
20	3/4	5	230	20JS07S4-2W230	93762015	20JS07S4-3W230	93762040
	1	7	230	20JS1S4-2W230	93762020	20JS1S4-3W230	93762045
	1.5	10	230	20JS15S4-2W230	93762025	20JS15S4-3W230	93762050
25	1	6	230	25JS1S4-2W230	93762520	25JS1S4-3W230	93762545
	1.5	8	230	25JS15S4-2W230	93762525	25JS15S4-3W230	93762550

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

# Submersible Pumps

## 4" TRI-SEAL Pumps

### Features & Ordering Information

#### Plastic Ordering Information:

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

GPM	HP	STG	VOLTS	2-WIRE		3-WIRE	
				MODEL NO.	ORDER NO.	MODEL NO.	ORDER NO.
5	1/2	8	115	5JS05P4-2W115	93740505	5JS05P4-3W115	93740530
	1/2	8	230	5JS05P4-2W230	93740510	5JS05P4-3W230	93740535
	3/4	12	230	5JS07P4-2W230	93740515	5JS07P4-3W230	93740540
	1	15	230	5JS1P4-2W230	93740520	5JS1P4-3W230	93740545
	1.5	21	230	5JS15P4-2W230	93740525	5JS15P4-3W230	93740550
7	1/2	7	115	7JS05P4-2W115	93740705	7JS05P4-3W115	93740730
	1/2	7	230	7JS05P4-2W230	93740710	7JS05P4-3W230	93740735
	3/4	10	230	7JS07P4-2W230	93740715	7JS07P4-3W230	93740740
	1	13	230	7JS1P4-2W230	93740720	7JS1P4-3W230	93740745
	1.5	18	230	7JS15P4-2W230	93740725	7JS15P4-3W230	93740750
10	1/2	6	115	10JS05P4-2W115	93741005	10JS05P4-3W115	93741030
	1/2	6	230	10JS05P4-2W230	93741010	10JS05P4-3W230	93741035
	3/4	8	230	10JS07P4-2W230	93741015	10JS07P4-3W230	93741040
	1	11	230	10JS1P4-2W230	93741020	10JS1P4-3W230	93741045
	1.5	15	230	10JS15P4-2W230	93741025	10JS15P4-3W230	93741050
15	1/2	4	115	15JS05P4-2W115	93741505	15JS05P4-3W115	93741530
	1/2	4	230	15JS05P4-2W230	93741510	15JS05P4-3W230	93741535
	3/4	6	230	15JS07P4-2W230	93741515	15JS07P4-3W230	93741540
	1	8	230	15JS1P4-2W230	93741520	15JS1P4-3W230	93741545
	1.5	11	230	15JS15P4-2W230	93741525	15JS15P4-3W230	93741550
20	3/4	5	230	20JS07P4-2W230	93742015	20JS07P4-3W230	93742040
	1	7	230	20JS1P4-2W230	93742020	20JS1P4-3W230	93742045
	1.5	10	230	20JS15P4-2W230	93742025	20JS15P4-3W230	93742050
25	1	6	230	25JS1P4-2W230	93742520	25JS1P4-3W230	93742545
	1.5	8	230	25JS15P4-2W230	93742525	25JS15P4-3W230	93742550

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

# Submersible Pumps

## 4" TRI-SEAL Pumps Features & Ordering Information

### Pump End Assemblies Only Ordering Information: (See pgs. 2-3 for model number explanation)

PLASTIC				
GPM	HP	STG	MODEL NO.	ORDER NO.
5	1/2	8	5JS05P4-PE	93750505
	3/4	12	5JS07P4-PE	93750510
	1	15	5JS1P4-PE	93750515
	1.5	21	5JS15P4-PE	93750520
7	1/2	7	7JS05P4-PE	93750705
	3/4	10	7JS07P4-PE	93750710
	1	13	7JS1P4-PE	93750715
	1.5	18	7JS15P4-PE	93750720
10	1/2	6	10JS05P4-PE	93751005
	3/4	8	10JS07P4-PE	93751010
	1	11	10JS1P4-PE	93751015
	1.5	15	10JS15P4-PE	93751020
15	1/2	4	15JS05P4-PE	93751505
	3/4	6	15JS07P4-PE	93751510
	1	8	15JS1P4-PE	93751515
	1.5	11	15JS15P4-PE	93751520
20	3/4	5	20JS07P4-PE	93752010
	1	7	20JS1P4-PE	93752015
	1.5	10	20JS15P4-PE	93752020
25	1	6	25JS1P4-PE	93752515
	1.5	8	25JS15P4-PE	93752520

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

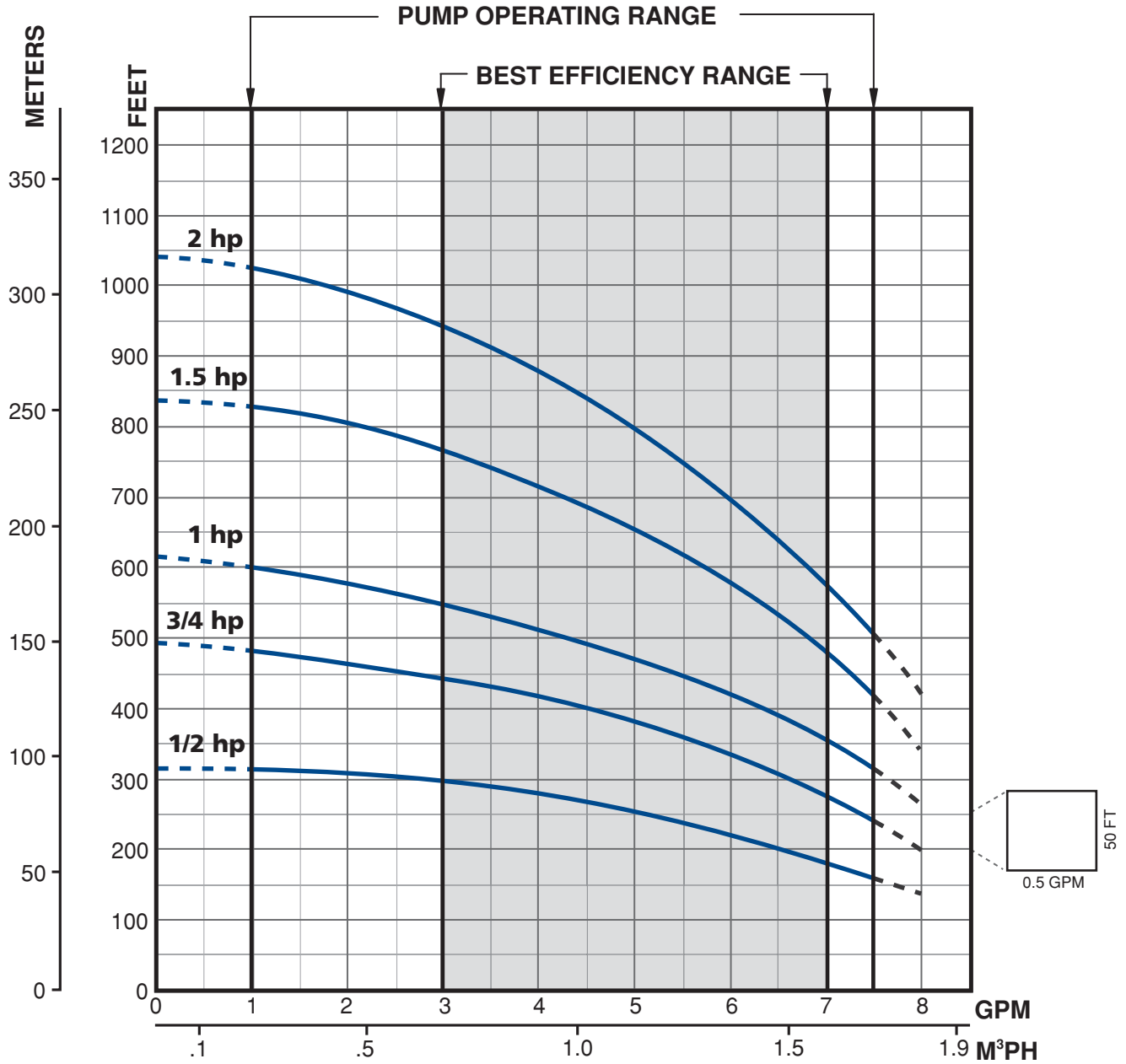
STAINLESS STEEL				
GPM	HP	STG	MODEL NO.	ORDER NO.
5	1/2	8	5JS05S4-PE	93770505
	3/4	12	5JS07S4-PE	93770510
	1	15	5JS1S4-PE	93770515
	1.5	21	5JS15S4-PE	93770520
	2	26	5JS2S4-PE	93770525
7	1/2	7	7JS05S4-PE	93770705
	3/4	10	7JS07S4-PE	93770710
	1	13	7JS1S4-PE	93770715
	1.5	18	7JS15S4-PE	93770720
	2	24	7JS2S4-PE	93770725
10	3	32	7JS3S4-PE	93770730
	1/2	6	10JS05S4-PE	93771005
	3/4	8	10JS07S4-PE	93771010
	1	11	10JS1S4-PE	93771015
	1.5	15	10JS15S4-PE	93771020
15	2	18	10JS2S4-PE	93771025
	3	24	10JS3S4-PE	93771030
	5	39	10JS5S4-PE	93771035
	1/2	4	15JS05S4-PE	93771505
	3/4	6	15JS07S4-PE	93771510
20	1	8	15JS1S4-PE	93771515
	1.5	11	15JS15S4-PE	93771520
	2	14	15JS2S4-PE	93771525
	3	19	15JS3S4-PE	93771530
	5	31	15JS5S4-PE	93771535
25	3/4	5	20JS07S4-PE	93772010
	1	7	20JS1S4-PE	93772015
	1.5	10	20JS15S4-PE	93772020
	2	12	20JS2S4-PE	93772025
	3	16	20JS3S4-PE	93772030
	5	26	20JS5S4-PE	93772035
	7.5	39	20JS7S4-PE	93772040
10	52	20JS10S4-PE	93772045	
25	1	6	25JS1S4-PE	93772515
	1.5	8	25JS15S4-PE	93772520
	2	10	25JS2S4-PE	93772525
	3	14	25JS3S4-PE	93772530
	5	23	25JS5S4-PE	93772535
	7.5	35	25JS7S4-PE	93772540
10	44	25JS10S4-PE	93772545	

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

# Submersible Pumps

## 4" TRI-SEAL Pumps

5 gpm Performance



# Submersible Pumps

## 4" TRI-SEAL Pumps 5 gpm Performance

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

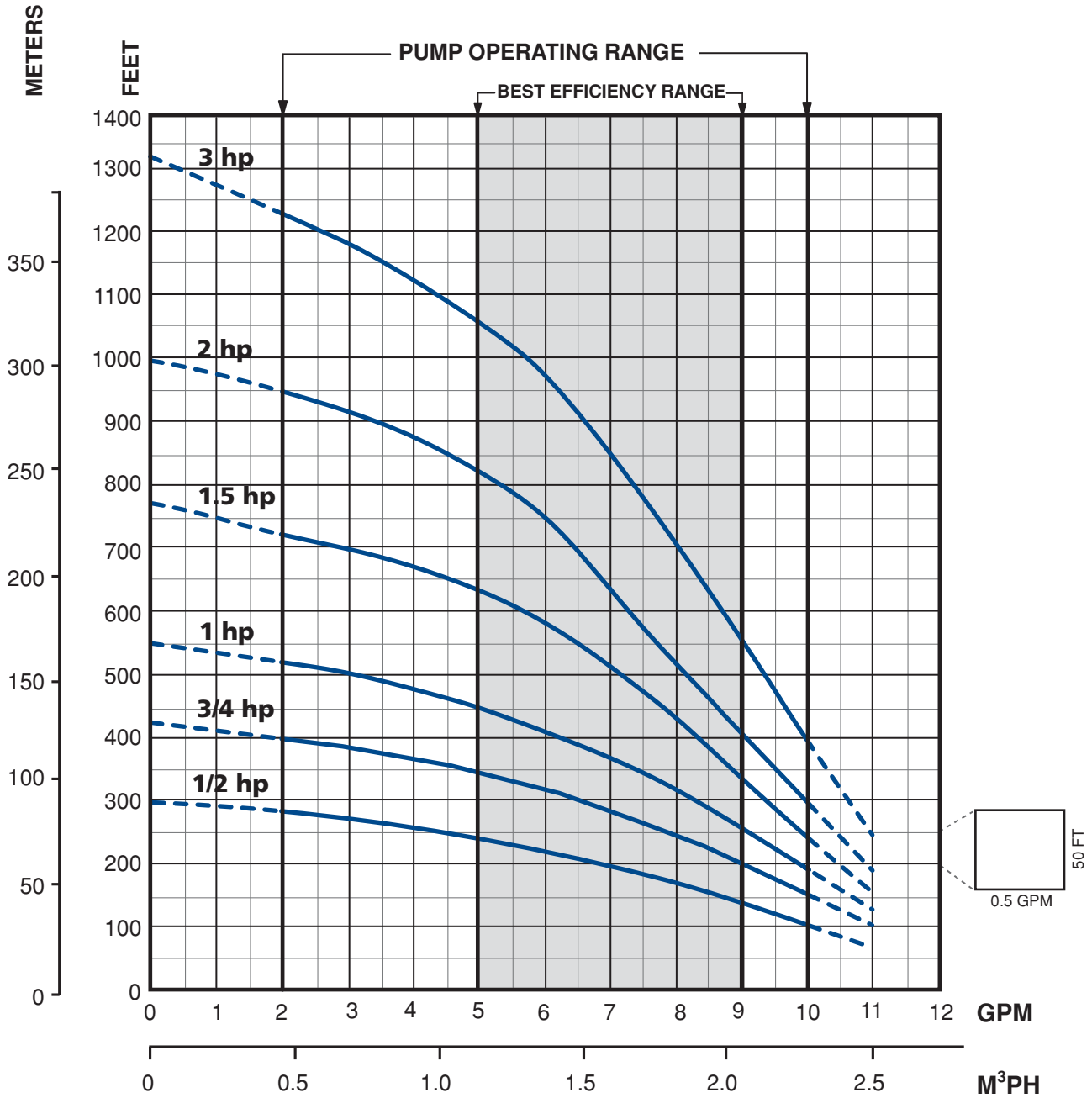
HP	PSI	DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET.																							
		SHADED AREAS INDICATE MOST EFFICIENT PERFORMANCE																							
		20	40	60	80	100	120	140	160	180	200	240	260	300	360	400	440	480	500	600	700	800	900	1000	
1/2	0							7	7	6	6	5	4												Shut-off 315 ft
	20					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	5	4	3										
	40						7	7	7	6	6	5	4	2											
	50					7	7	7	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	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	5	3			
	40															7	7	7	6	6	5	3			
	50															7	7	7	7	6	5	4	3		
	60															7	7	7	6	6	5	4	3		
	80											7	7	7	7	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" TRI-SEAL Pumps

7 gpm Performance



# Submersible Pumps

## 4" TRI-SEAL Pumps 7 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	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													Shut-off 300 ft
	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											Shut-off 422 ft	
	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	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							Shut-off 544 ft	
	20					10	10	10	9	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	8	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	9	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					Shut-off 765 ft	
	20					10	10	10	10	10	9	9	9	8	8	7	7	6	6	4						
	30				10	10	10	10	9	9	9	9	8	8	7	7	6	6	3							
	40			10	10	10	10	9	9	9	9	9	8	8	7	7	6	6	5	3						
	50		10	10	10	10	9	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	6	6	5	4									
	80	10	10	9	9	9	9	9	8	8	8	8	7	7	6	5	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	10	9	9	9	8	8	8	7	6	5	3		Shut-off 995 ft	
	20						10	10	10	10	10	10	9	9	9	8	8	7	7	6	6	4				
	30						10	10	10	10	10	10	9	9	9	8	8	7	7	6	5	4				
	40					10	10	10	10	10	10	9	9	9	8	8	7	7	7	6	5	3				
	50				10	10	10	10	10	9	9	9	9	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	10	10	10	10	9	9	9	9	9	9	9	9	9		Shut-off 1310 ft	
	20			10	9	9	8	7	7	6	5	4	2													
	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													

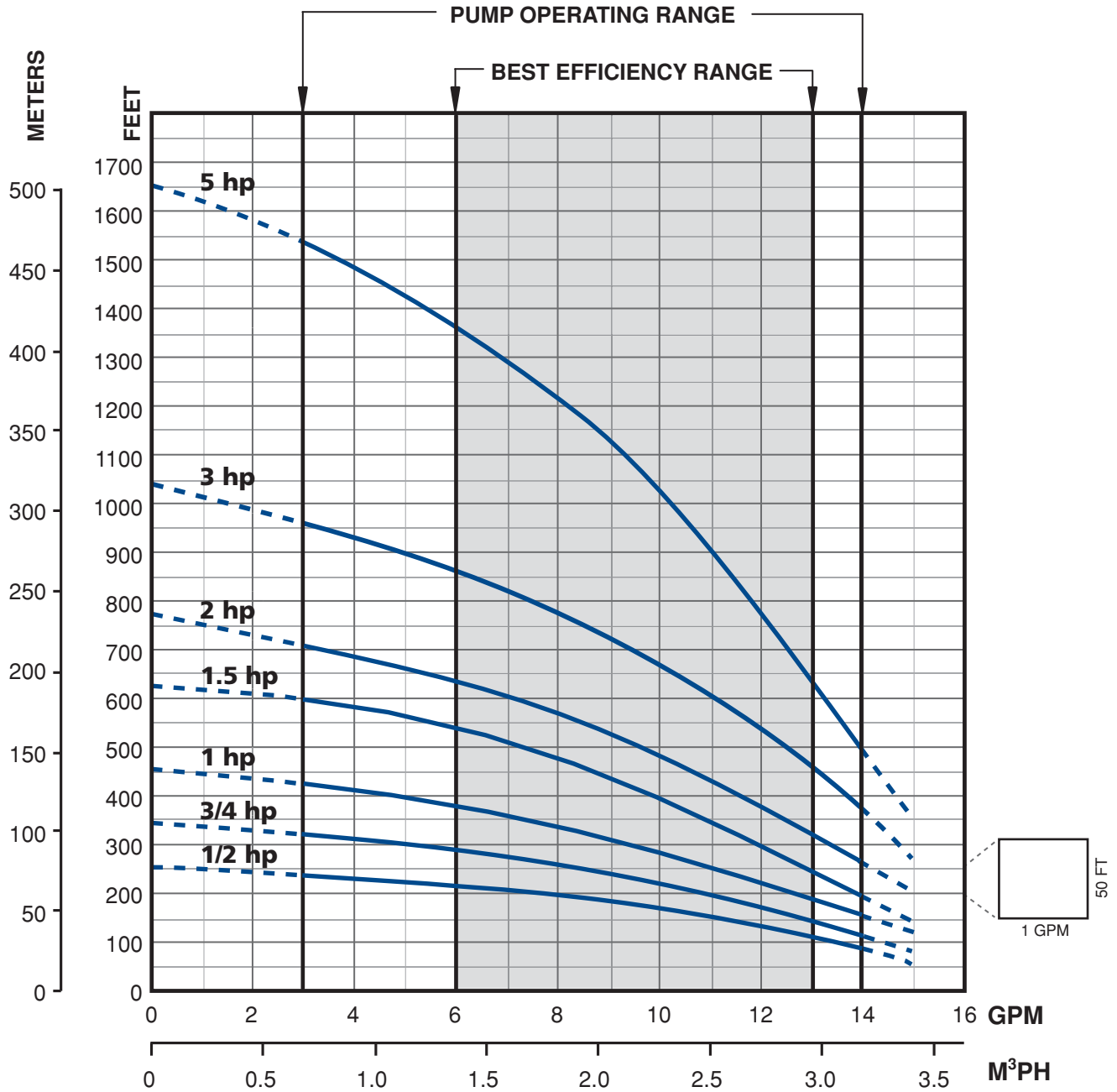
- Notes: 1. Performance shown does not include friction loss in the drop pipe.  
2. All performance data is based on rated motor nameplate voltage.



# Submersible Pumps

## 4" TRI-SEAL Pumps

10 gpm Performance



# Submersible Pumps

## 4" TRI-SEAL Pumps 10 gpm Performance

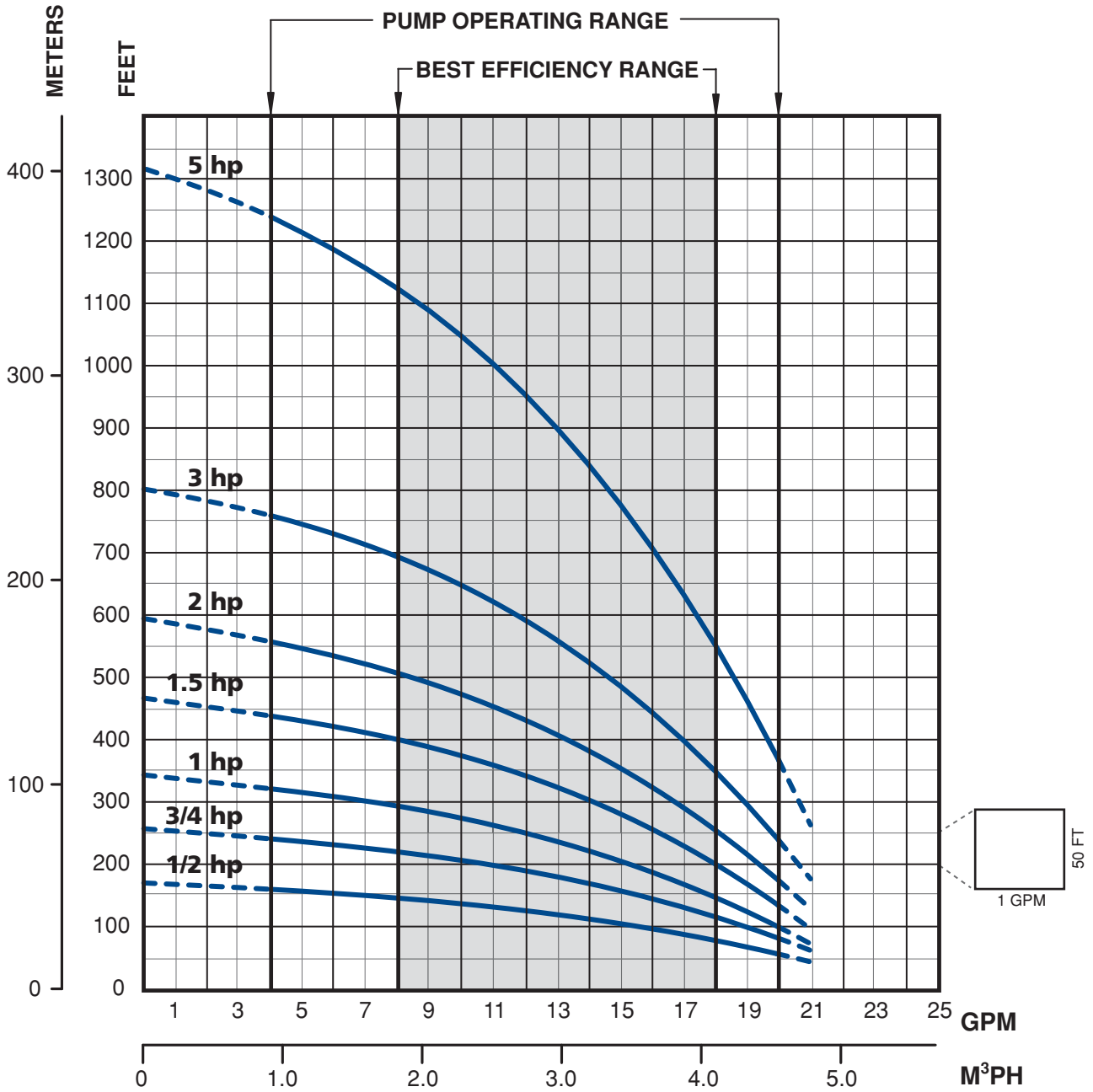
### Capacities in U.S. Gallons per Minute:

HP	PSI	DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET.																									
		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														Shut-off 244 ft		
	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											Shut-off 338 ft			
	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										Shut-off 444 ft			
	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							Shut-off 615 ft			
	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	13	12	12	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	10	9	6						Shut-off 770 ft			
	20									14	13	13	12	11	10	9	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	13	12	12	12	11	11	10	9	8	7	6	5								
	80			14	13	13	13	12	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		Shut-off 1034 ft			
	20													14	13	13	12	12	12	10	8	6	3				
	30													14	13	13	12	12	11	10	8	5					
	40													14	14	13	13	12	12	11	11	9	7		4		
	50													14	14	14	13	12	12	11	11	9	7		4		
	60													14	14	14	13	12	12	11	11	10	9		6	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				
5	0				14	13	13	12	11	11	10	9	8	6	5									Shut-off 1648 ft			
	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" TRI-SEAL Pumps 15 gpm Performance



# Submersible Pumps

## 4" TRI-SEAL Pumps 15 gpm Performance

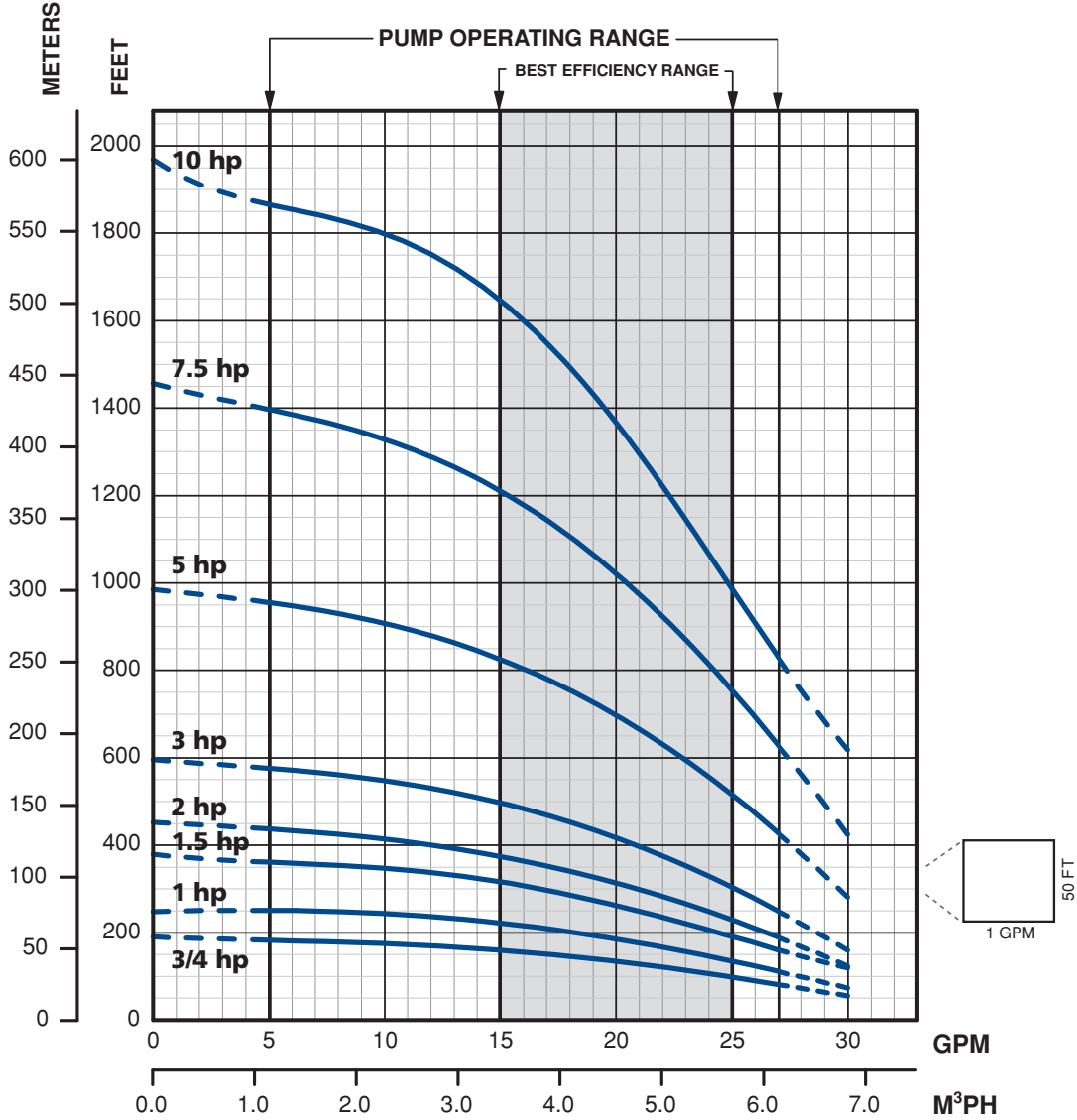
### Capacities in U.S. Gallons per Minute:

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	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	20	19	18	18	17	16	15	14	12	7																	
	30				20	20	19	18	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	89	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	19	18	17	16	15	14	13	10	5									
	30													20	20	20	19	18	18	16	15	14	13	9									
	40													20	20	20	19	19	18	18	17	16	15	13	8								
	50													20	20	20	19	19	18	18	17	15	14	13	12	7							
	60					20	20	20	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	19	17	16	15	13	11	9	6			
	20																		20	20	19	19	18	18	17	15	14	12	10	7	4		
	30																		20	20	19	19	19	18	18	17	15	14	12	9	7		
	40																		20	20	19	19	18	18	18	16	15	13	11	9	6		
	50																		20	20	20	19	19	18	18	17	17	16	14	11	8	5	
	60																		20	20	20	19	19	18	18	17	17	16	14	12	10	8	4
	80								20	20	20	20	19	19	18	18	17	17	16	15	13	11	9	6									
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	94	50							

- 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" TRI-SEAL Pumps 20 gpm Performance



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

HP	PSI	DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET.																								
		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																	
	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																	Shut-off 190 ft

# Submersible Pumps

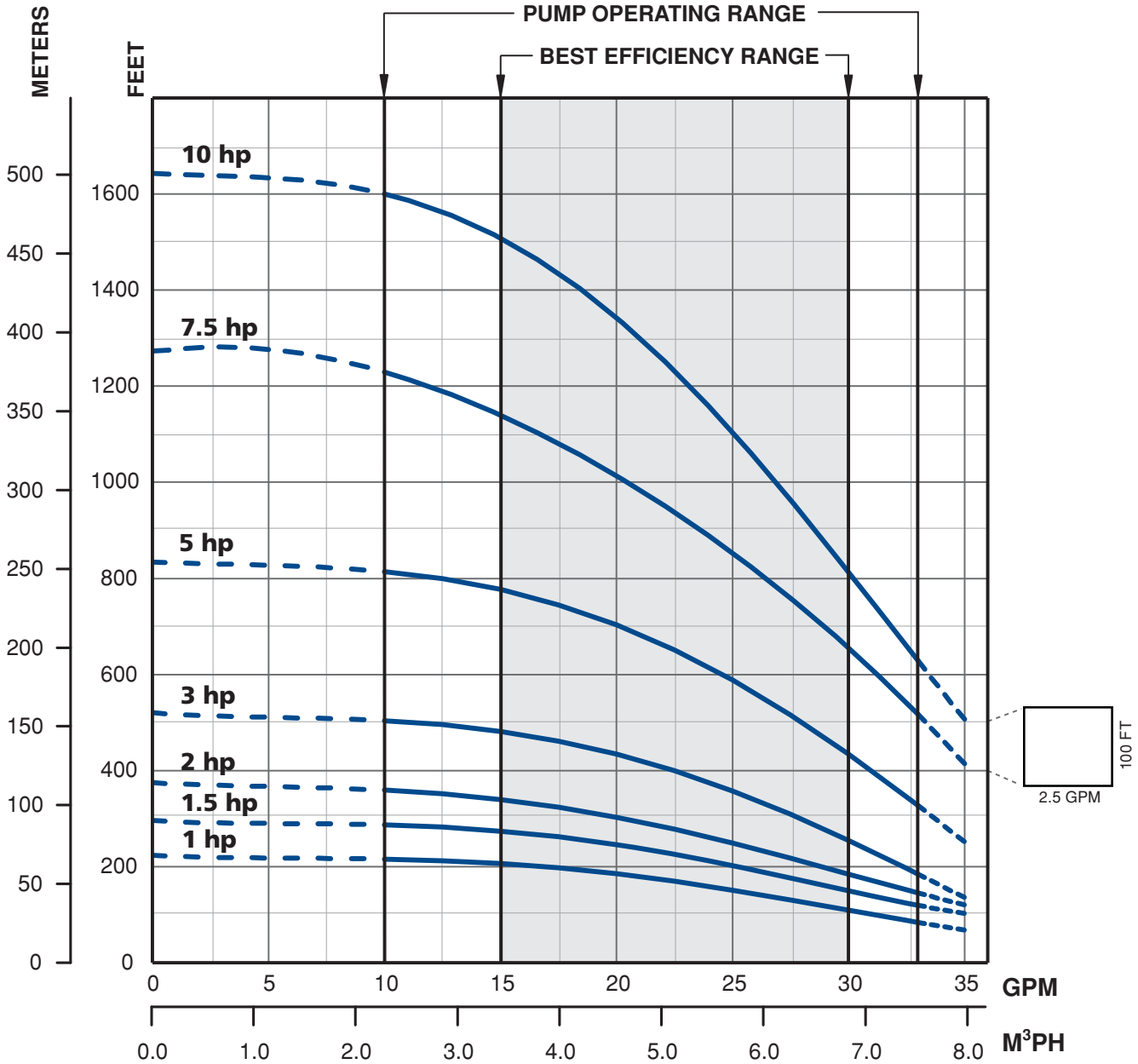
## 4" TRI-SEAL Pumps 20 gpm Performance

HP	PSI	DEPTH TO PUMPING WATER LEVEL, OR LIFT, IN FEET.																							
		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						26	25	23	20	18	11													
	20						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											
	70						24	23	21	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				
	70													24	23	22	20	18	17	15	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	20	16	10		
	50																		24	22	22	17	15		
	60																		24	23	22	21	18	14	
	70																		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		
7.5	0									26	25	23	22	21	20	18	16	13	9						
	20									27	25	24	23	22	20	19	17	15	12	7					
	30									26	25	23	21	19	16	13	7								
	40									26	24	23	21	18	16	12	6								
	50									27	26	24	22	20	18	15	11								
	60									27	27	25	24	22	20	17	14	9							
	70									27	26	24	23	21	19	16	12	6							
	80	27	26	26	24	23	21	19	16	12	6														
	Shut-off PSI		440	423	414	371	327	284	241	197	154	111	68	24											
10	0									26	25	23	22	21	20	18	16	13	9						
	20									27	25	24	23	22	20	19	17	15	12	7					
	30									27	25	24	23	21	20	19	17	14	11	6					
	40									26	25	23	22	21	20	18	16	14	10						
	50									27	26	24	23	22	21	20	18	16	13	8					
	60									27	26	24	23	22	21	19	18	15	12	7					
	70									26	25	24	22	21	20	19	18	15	12	7					
	80									26	25	24	22	21	20	19	17	14	10	5					
	Shut-off PSI		662	644	636	592	549	506	462	419	376	333	289	246	203	159	116	73							

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" TRI-SEAL Pumps 25 gpm Performance



# Submersible Pumps

## 4" TRI-SEAL Pumps 25 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	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							33	32	30	28	25	24	20												Shut-off 375 ft	
	20					34	33	31	29	28	26	25	21	20													
	30			34	33	31	29	28	26	24	23	19	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	28	27	25	22	19												
	30					33	32	32	31	30	29	28	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	29	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							
7.5	0																									Shut-off 1281 ft	
	20																										
	30						33	32	32	31	28	25	22	19	15												
	40						33	32	32	31	29	27	24	21	17	12											
	50			33	33	32	31	31	29	26	23	20	17														
	60		33	32	32	31	31	31	28	25	22	19	16														
80	33	32	32	31	30	30	27	24	21	18	13																
Shut-off PSI		425	399	382	364	347	338	295	252	208	165	122	78	35													
10	0									33	32	30	29	27	25	23	21	19	15	10						Shut-off 1642 ft	
	20									33	31	30	28	26	24	22	20	17	13								
	30										32	31	29	27	26	24	22	19	17	12							
	40										33	32	30	29	27	25	23	21	19	16	10						
	50									33	33	32	30	28	27	25	23	21	18	15							
	60							33	33	31	30	28	26	24	22	20	18	14									
80						33	32	32	31	29	27	25	23	21	19	16	11										
Shut-off PSI		581	555	538	520	503	494	451	408	365	321	278	235	191	148	105	61	18									

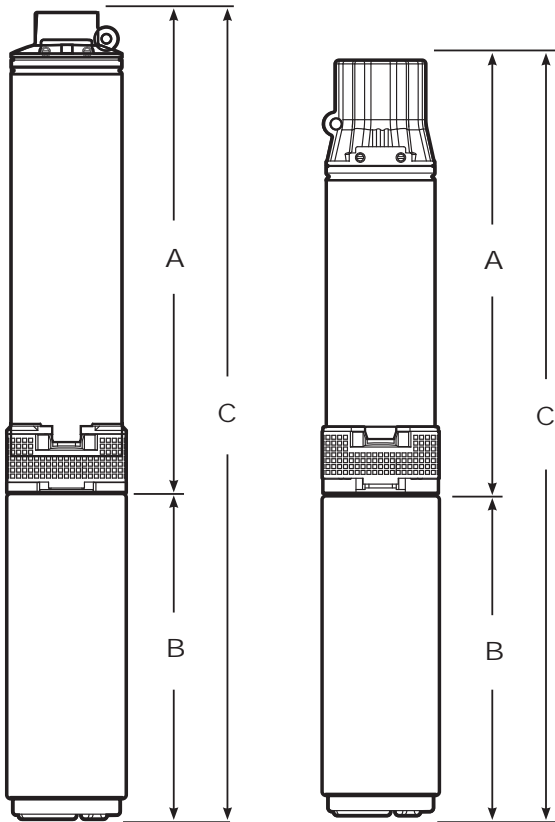
- Notes:** 1. Performance shown does not include friction loss in the drop pipe.  
2. All performance data is based on rated motor nameplate voltage.



# Submersible Pumps

## 4" TRI-SEAL Pumps

### Dimensions



**Notes:** All lengths are in inches  
 All weights are in pounds  
 Maximum diameter with cable guard is 3.90"  
 PE - Pump end only  
 PMA - Pump and motor assembly

### Plastic with 2-Wire Motors

GPM	HP	STAGES	A	B	C	PE WT.	PMA WT.
5	1/2	8	14.12	9.51	23.63	8	26
	3/4	12	17.41	10.64	28.05	9	30
	1	15	19.87	11.73	31.60	10	34
	1.5	21	24.81	15.10	39.91	12	43
7	1/2	7	13.30	9.51	22.81	7	25
	3/4	10	15.76	10.64	26.40	8	29
	1	13	18.23	11.73	29.96	10	34
	1.5	18	22.34	15.10	37.44	11	42
10	1/2	6	12.97	9.51	22.48	7	25
	3/4	8	14.69	10.64	25.33	8	29
	1	11	17.44	11.73	29.17	9	33
	1.5	15	21.06	15.10	36.16	10	41
15	1/2	4	11.45	9.51	20.96	6	24
	3/4	6	12.97	10.64	23.61	7	28
	1	8	14.69	11.73	26.42	8	32
	1.5	11	17.44	15.10	32.54	9	40
20	3/4	5	13.65	10.64	24.29	6	28
	1	7	16.10	11.73	27.83	7	31
	1.5	10	19.77	15.10	34.87	8	39
25	1	6	14.88	11.73	26.61	7	31
	1.5	8	17.32	15.10	32.42	8	39

### Plastic with 3-Wire Motors

GPM	HP	STAGES	A	B	C	PE WT.	PMA WT.
5	1/2	8	14.12	9.51	23.63	8	27
	3/4	12	17.41	10.64	28.05	9	30
	1	15	19.87	11.73	31.60	10	34
	1.5	21	24.81	13.60	38.41	12	40
7	1/2	7	13.30	9.51	22.81	7	26
	3/4	10	15.76	10.64	26.40	8	29
	1	13	18.23	11.73	29.96	10	34
	1.5	18	22.34	13.60	35.94	11	39
10	1/2	6	12.97	9.51	22.48	7	26
	3/4	8	14.69	10.64	25.33	8	29
	1	11	17.44	11.73	29.17	9	33
	1.5	15	21.06	13.60	34.66	10	38
15	1/2	4	11.45	9.51	20.96	6	25
	3/4	6	12.97	10.64	23.61	7	28
	1	8	14.69	11.73	26.42	8	32
	1.5	11	17.44	13.60	31.04	9	37
20	3/4	5	13.65	10.64	24.29	6	28
	1	7	16.10	11.73	27.83	7	31
	1.5	10	19.77	13.60	33.37	8	36
25	1	6	14.88	11.73	26.61	7	31
	1.5	8	17.32	15.10	30.92	8	36

# Submersible Pumps

## 4" TRI-SEAL Pumps Dimensions

### Stainless Steel with 2-Wire Motors

GPM	HP	STAGES	A	B	C	PE WT.	PMA WT.
5	1/2	8	13.57	9.51	23.08	10	28
	3/4	12	16.86	10.64	27.50	12	33
	1	15	19.33	11.73	31.06	14	38
	1.5	21	24.26	15.10	39.36	17	48
7	1/2	7	12.75	9.51	22.26	9	27
	3/4	10	15.22	10.64	25.86	11	32
	1	13	17.68	11.73	29.41	13	37
	1.5	18	21.80	15.10	36.90	15	46
10	1/2	6	12.39	9.51	21.90	9	27
	3/4	8	14.14	10.64	24.78	10	31
	1	11	16.85	11.73	28.58	11	35
	1.5	15	20.48	15.10	35.58	14	45
15	1/2	4	10.64	9.51	20.15	7	25
	3/4	6	12.39	10.64	23.03	9	30
	1	8	14.14	11.73	25.87	10	34
	1.5	11	16.85	15.10	31.95	11	42
20	3/4	5	13.10	10.64	23.74	8	29
	1	7	15.55	11.73	27.28	9	33
	1.5	10	19.22	15.10	34.32	11	42
25	1	6	14.33	11.73	26.06	9	33
	1.5	8	16.77	15.10	31.87	10	41

### Stainless Steel with 3-Wire Motors

GPM	HP	STAGES	A	B	C	PE WT.	PMA WT.	
5	1/2	8	13.57	9.51	23.08	10	29	
	3/4	12	16.86	10.64	27.50	12	33	
	1	15	19.33	11.73	31.06	14	38	
	1.5	21	24.26	13.60	37.86	17	45	
7	2	26	30.46	15.10	45.56	20	N/A	
	1/2	7	12.75	9.51	22.26	9	28	
	3/4	10	15.22	10.64	25.86	11	32	
	1	13	17.68	11.73	29.41	13	37	
7	1.5	18	21.80	13.60	35.40	15	43	
	2	24	26.73	15.10	41.83	19	N/A	
	3	32	35.39	19.04	54.43	23	N/A	
	10	1/2	6	12.39	9.51	21.90	9	28
3/4		8	14.14	10.64	24.78	10	31	
1		11	16.85	11.73	28.58	11	35	
1.5		15	20.48	13.60	34.08	14	42	
2		18	25.26	15.10	40.36	15	N/A	
10	3	24	30.70	19.04	49.74	19	N/A	
	5	39	44.20	29.19	73.39	27	N/A	
	15	1/2	4	10.64	9.51	20.15	7	26
		3/4	6	12.39	10.64	23.03	9	30
1		8	14.14	11.73	25.87	10	34	
1.5		11	16.85	13.60	30.45	11	39	
2		14	19.57	15.10	34.67	13	N/A	
15	3	19	26.17	19.04	45.21	16	N/A	
	5	31	37.00	29.19	66.19	23	N/A	
	20	3/4	5	13.10	10.64	23.74	8	29
		1	7	15.55	11.73	27.28	9	33
1.5		10	19.22	13.60	32.82	11	39	
2		12	21.66	15.10	36.76	12	N/A	
3		16	26.55	19.04	45.59	14	N/A	
5		26	40.86	29.19	70.05	20	N/A	
7.5		39	60.77	29.60	90.37	27	N/A	
10	52	76.66	32.60	109.26	35	N/A		
25	1	6	14.33	11.73	26.06	9	33	
	1.5	8	16.77	13.60	30.37	10	38	
	2	10	19.22	15.10	34.32	11	N/A	
	3	14	24.11	19.04	43.15	13	N/A	
	5	23	37.19	28.19	66.38	18	N/A	
	7.5	35	55.88	29.60	85.48	25	N/A	
	10	44	66.88	32.60	99.48	30	N/A	

**Notes:** All lengths are in inches  
 All weights are in pounds  
 Maximum diameter with cable guard is 3.90"  
 PE - Pump end only  
 PMA - Pump and motor assembly