

J-CLASS SandHandler

Submersible Pumps

TRI-SEAL™
Floating Stage System



Franklin Electric
The Company You Trust Deep Down



J-CLASS

SandHandler

4" SandHandler

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
- Ceramic shaft sleeve and rubber discharge bearing protect shaft and eliminate sand wear
- Powered by Franklin Electric corrosion resistant 4" submersible motors

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

TRI-SEAL™ Floating Stage System

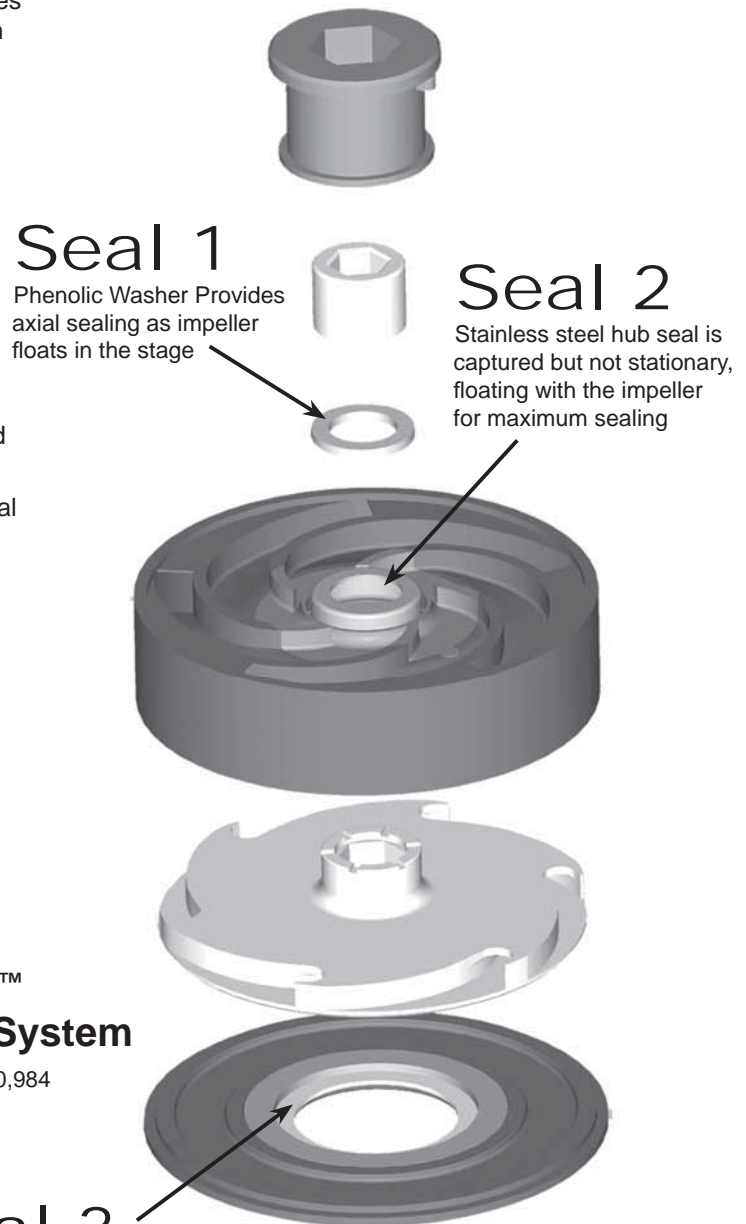
U.S. Patent No. 7,290,984

CSA CERTIFIED
PUMP END ONLY



Drinking Water
NSF/ANSI 61

Seal 3
Stainless steel impeller
eye seal



* Note: Celcon® is a registered trademark of The Celanese Corporation
Noryl® is a registered trademark of G.E.

4" Submersible Pumps

Ordering Information

Plastic:

GPM	HP	STAGES	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	9	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



Franklin Electric
The Company You Trust Deep Down

Ordering Information

Stainless Steel:

GPM	HP	STAGES	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	93761030
	1/2	6	230	10JS05S4-2W230	93761010	10JS05S4-3W230	93761035
	3/4	8	230	10JS07S4-2W230	93761015	10JS07S4-3W230	93761040
	1	11	230	10JS1S4-2W230	93761020	10JS1S4-3W230	93761045
	1.5	15	230	10JS15S4-2W230	93761025	10JS15S4-3W230	93761050
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	9	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

4" Submersible Pumps

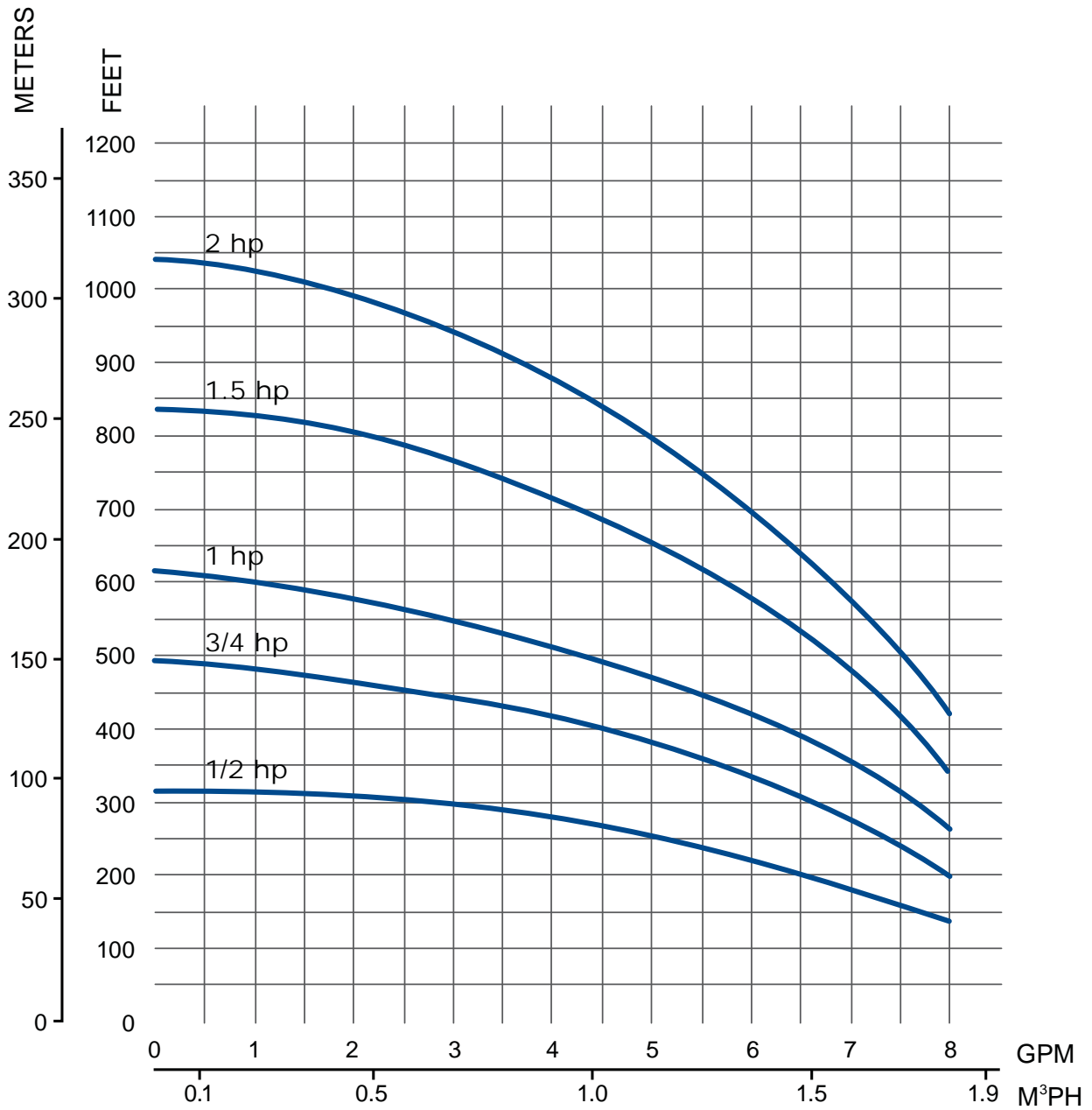
Ordering Information

Pump End Assemblies Only:

PLASTIC				
GPM	HP	STAGES	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	9	20JS15P4-PE	93752020
25	1	6	25JS1P4-PE	93752515
	1.5	8	25JS15P4-PE	93752520

STAINLESS STEEL				
GPM	HP	STAGES	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
	3	32	7JS3S4-PE	93770730
10	1/2	6	10JS05S4-PE	93771005
	3/4	8	10JS07S4-PE	93771010
	1	11	10JS1S4-PE	93771015
	1.5	15	10JS15S4-PE	93771020
	2	18	10JS2S4-PE	93771025
	3	24	10JS3S4-PE	93771030
	5	39	10JS5S4-PE	93771035
15	1/2	4	15JS05S4-PE	93771505
	3/4	6	15JS07S4-PE	93771510
	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
	3/4	5	20JS07S4-PE	93772010
20	1	7	20JS1S4-PE	93772015
	1.5	9	20JS15S4-PE	93772020
	2	12	20JS2S4-PE	93772025
	3	16	20JS3S4-PE	93772030
	5	26	20JS5S4-PE	93772035
	1	6	25JS1S4-PE	93772515
25	1.5	8	25JS15S4-PE	93772520
	2	10	25JS2S4-PE	93772525
	3	14	25JS3S4-PE	93772530
	5	23	25JS5S4-PE	93772535

5 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

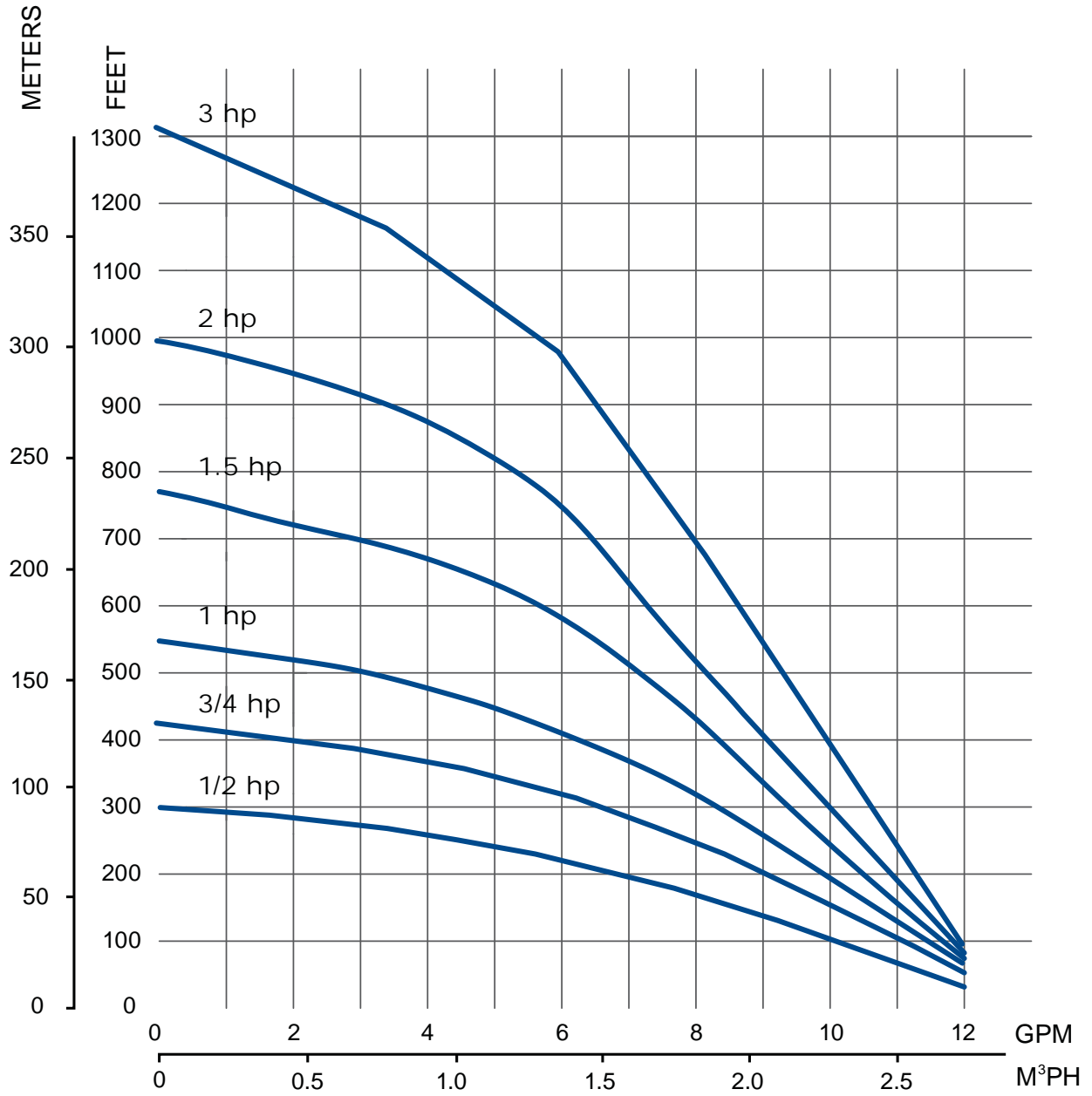
5 GPM TRI-SEAL Performance Chart

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	-	-	-	-	-	-	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	6	5	4	3									
	30	-	-	-	-	-	-	-	-	-	-	7	7	6	5	5	3	2								
	40	-	-	-	-	-	-	-	-	-	7	7	7	6	5	4	3									
	50	-	-	-	-	-	-	-	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	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	3							
	80	-	-	-	-	-	-	-	-	7	7	7	7	6	6	5	5	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			

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

7 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

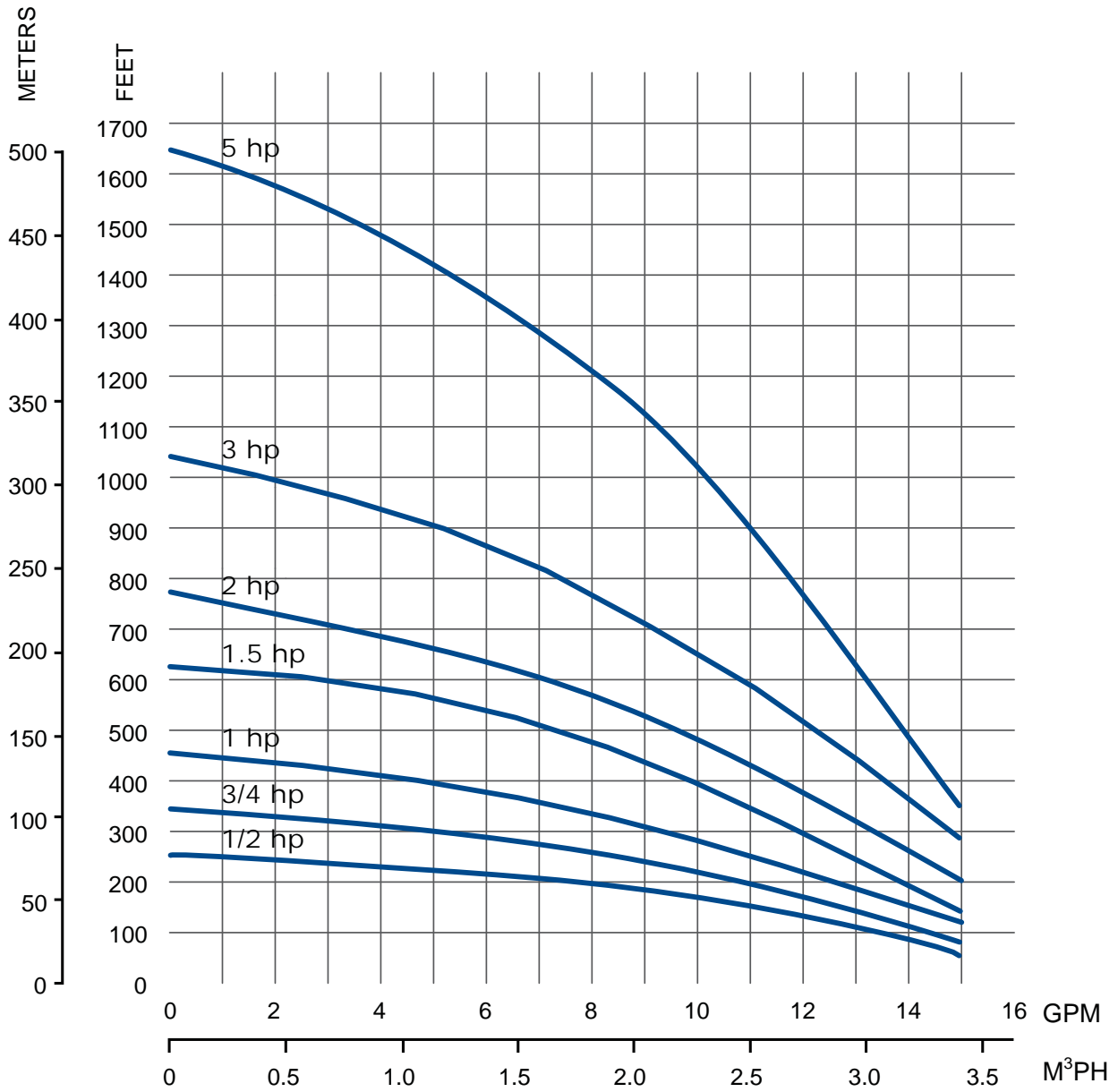
7 GPM TRI-SEAL Performance Chart

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	-	-	11	10	10	9	9	8	7	6	5	4												Shut-off 300 ft		
	20	11	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	-	-	-	11	11	10	10	9	9	9	8	7	6	4											Shut-off 422 ft	
	20	-	11	10	10	10	9	9	8	8	7	6	6	4													
	30	11	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	-	-	-	-	11	11	10	10	10	9	9	8	7	6	5	3	3								Shut-off 544 ft	
	20	-	-	-	11	10	10	10	9	9	9	8	8	7	6	5	3										
	30	-	11	10	10	10	10	9	9	9	8	8	7	7	6	4	3										
	40	11	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	9	8	8	8	7	6	6	5	3												
	80	9	9	9	9	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	-	-	-	-	-	-	11	10	10	10	10	9	9	9	8	8	7	7	6	5	2				Shut-off 765 ft	
	20	-	-	-	-	11	10	10	10	10	10	9	9	9	8	8	7	7	6	6	4						
	30	-	-	11	10	10	10	10	10	9	9	9	9	8	8	7	7	6	6	3							
	40	-	11	10	10	10	10	9	9	9	9	9	8	8	7	7	6	6	5	3							
	50	11	10	10	10	10	9	9	9	9	9	8	8	8	7	6	6	5	5								
	60	10	10	10	10	10	9	9	9	9	8	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	-	-	-	-	-	-	11	10	10	10	10	10	9	9	9	8	8	8	7	6	5	3			Shut-off 995 ft	
	20	-	-	-	-	11	10	10	10	10	10	10	9	9	9	8	8	7	7	6	6	4					
	30	-	-	-	-	11	10	10	10	10	10	10	9	9	9	8	8	7	7	6	5	4					
	40	-	-	-	11	10	10	10	10	10	10	9	9	9	9	8	8	7	7	6	5	3					
	50	-	-	11	10	10	10	10	10	10	9	9	9	9	8	8	7	7	6	5	3						
	60	-	11	10	10	10	10	10	10	9	9	9	9	8	8	7	7	6	5	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				
HP	PSI	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400												
3	0	-	11	10	9	9	8	7	7	6	5	4	2													Shut-off 1310 ft	
	20	11	10	9	9	8	8	7	6	6	5	3															
	30	11	10	9	9	8	8	7	6	6	4	3															
	40	11	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														

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

10 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

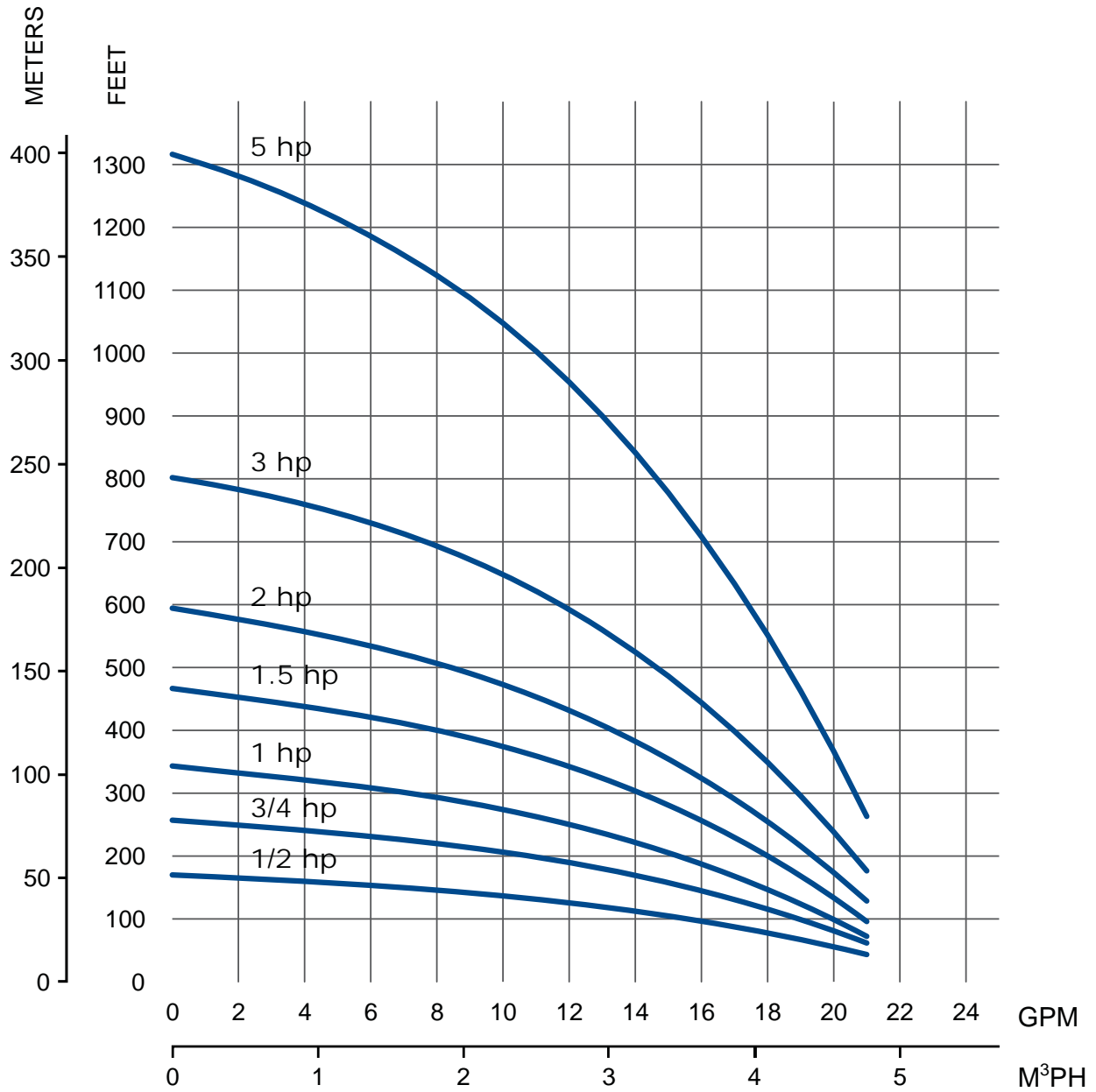
10 GPM TRI-SEAL Performance Chart

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														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	5																					
	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	10	9	9	7	3										
	30	-	-	-	14	13	13	12	11	11	10	9	8	7	5											
	40	-	-	14	13	13	12	11	11	10	9	8	7	6												
	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	10	9	8	7	6	5						
	30	-	-	-	-	-	14	13	13	12	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	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	11	11	10	9	8	7	6	5								
	80	-	-	14	13	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		Shut-off 1034 ft	
	20	-	-	-	-	-	-	-	-	-	-	-	-	-	14	13	13	12	12	10	8	6	3			
	30	-	-	-	-	-	-	-	-	-	-	-	-	-	14	14	13	13	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	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										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											

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

15 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

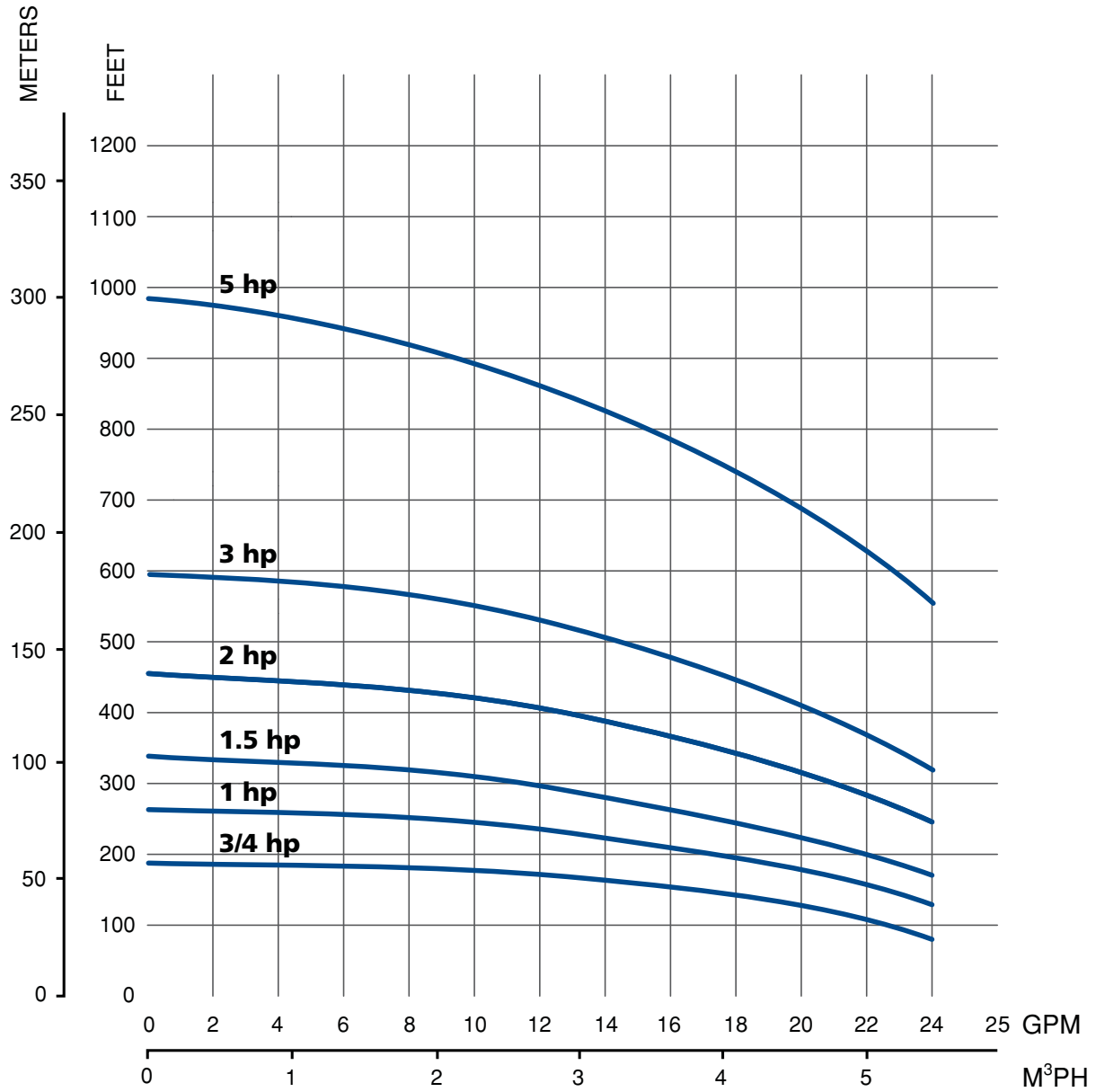
15 GPM TRI-SEAL Performance Chart

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	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100			
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																														
	70																															
Shut-off psi		65	56	48	39	30	22	13	4																							
3/4	0	-	-	-	20	19	18	16	15	13	11																					
	20	21	20	19	17	16	14	12	10	7	3																					
	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																										
	70	13	11	8	4																											
Shut-off psi		103	94	85	77	68	59	51	42	33	25	3																				
1	0	-	-	-	21	20	19	18	17	16	15	12	7																			
	20	-	21	20	19	18	17	16	15	14	12	8																				
	30	20	20	19	18	17	16	15	14	12	10	4																				
	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																						
	70	16	15	14	13	11	9	7	4																							
Shut-off psi		140	131	123	114	105	97	88	79	71	62	40	19																			
1.5	0	-	-	-	-	21	20	19	18	17	16	14	12	8																		
	20	-	-	21	20	20	19	18	17	16	14	12	8	3																		
	30	-	21	20	20	19	18	18	17	16	15	13	10	6																		
	40	21	20	19	19	18	18	17	16	15	15	12	9	3																		
	50	20	19	19	18	17	17	16	15	14	13	11	7																			
	60	19	19	18	17	17	16	15	14	13	12	9	4																			
	70	19	18	17	17	16	15	14	13	12	11	7																				
Shut-off psi		194	185	176	168	159	150	141	133	124	115	94	72	50	29	7																
2	0	-	-	-	-	-	21	20	20	19	18	17	15	13	11	8	5															
	20	-	-	-	-	21	20	20	19	19	18	17	15	13	11	9	5															
	30	-	-	21	21	20	20	19	19	18	18	16	14	13	10	7	3															
	40	-	21	20	20	20	19	19	18	18	17	15	14	12	9	5																
	50	21	20	20	19	19	19	18	17	17	16	15	13	10	7	3																
	60	20	20	19	19	18	18	17	17	16	16	14	12	9	6																	
	70	20	19	19	18	18	17	17	16	15	15	13	11	8	4																	
Shut-off psi		249	240	231	223	214	205	197	188	179	171	149	127	106	84	62	41	19														
3	0	-	-	-	-	-	-	21	21	20	19	18	17	16	15	13	12	10	8	5												
	20	-	-	-	-	-	21	20	20	20	19	18	17	16	15	13	12	10	8	5												
	30	-	-	-	-	-	21	20	20	20	19	19	18	17	15	14	13	11	9	7	3											
	40	-	-	-	-	21	20	20	20	19	19	18	17	16	15	13	12	10	8	5												
	50	-	-	-	21	20	20	20	19	19	19	18	17	15	14	13	11	9	7	3												
	60	-	21	21	20	20	20	19	19	19	18	17	16	15	14	12	10	8	5													
	70	21	21	20	20	20	19	19	19	18	18	17	16	14	13	11	9	7	4													
Shut-off psi		339	330	321	313	304	295	287	278	269	261	239	217	196	174	152	131	109	87	66	44	22	1									
5	0	-	-	-	-	-	-	-	-	-	-	-	21	20	20	19	19	18	17	17	16	15	15	14	13	12	11	10				
	20	-	-	-	-	-	-	-	-	-	-	-	21	20	20	19	19	18	17	17	16	15	15	14	13	12	11	10	9			
	30	-	-	-	-	-	-	-	-	-	-	-	21	20	20	19	19	18	18	17	17	16	15	14	14	13	12	11	9	8		
	40	-	-	-	-	-	-	-	-	-	-	21	21	20	20	19	19	18	18	17	16	16	15	14	13	12	11	10	9	7		
	50	-	-	-	-	-	-	-	-	-	21	21	20	20	19	19	18	18	17	17	16	15	14	14	13	12	11	10	8	7		
	60	-	-	-	-	-	-	-	21	21	20	20	20	19	19	18	18	17	16	16	15	14	13	12	11	10	9	8	6			
	70	-	-	-	-	-	21	21	20	20	20	20	19	18	18	17	17	16	15	14	14	13	12	11	10	8	7	5				
Shut-off psi		-	-	-	-	-	518	509	501	492	483	462	440	418	397	375	353	332	310	288	267	245	223	202	180	158	137	115				

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

20 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

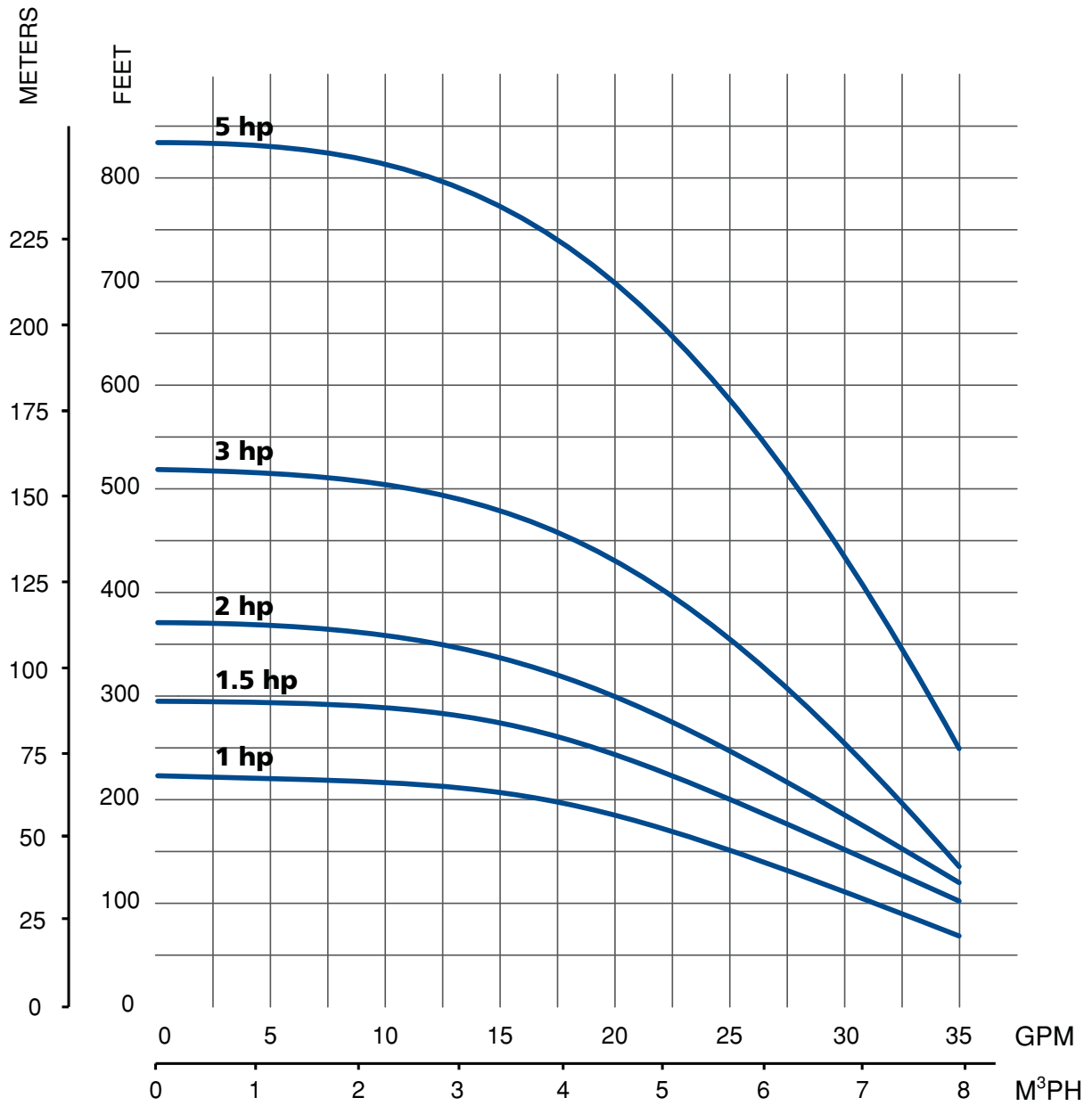
20 GPM TRI-SEAL Performance Chart

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																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	-	-	-	-	-	24	23	21	19	17														Shut-off 262 ft
	20	-	-	-	24	22	20	19	16	13															
	30	-	-	24	22	20	19	16	12																
	40	24	23	22	20	18	16	12																	
	50	23	22	20	18	14	11																		
	60	21	19	17	14	10																			
Shut-off psi		105	96	87	79	70	62	53	44	36	27														
1.5	0	-	-	-	-	-	-	24	23	21	18	16	11												Shut-off 340 ft
	20	-	-	-	-	-	24	22	21	19	17	13	10												
	30	-	-	-	-	24	22	21	19	17	15	10													
	40	-	-	-	24	22	21	19	17	15	12														
	50	-	24	23	22	20	18	16	14	11															
	60	24	23	22	20	18	16	14	11																
Shut-off psi		139	130	121	113	104	95	87	78	69	61	43	35	17											
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	162	153	144	136	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	191	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	391	382	373	365	356	347	339	321	313	295	269	252	235	217	209	165	122	79			

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

25 GPM TRI-SEAL Performance Curve



4" Submersible Pumps

25 GPM TRI-SEAL Performance Chart

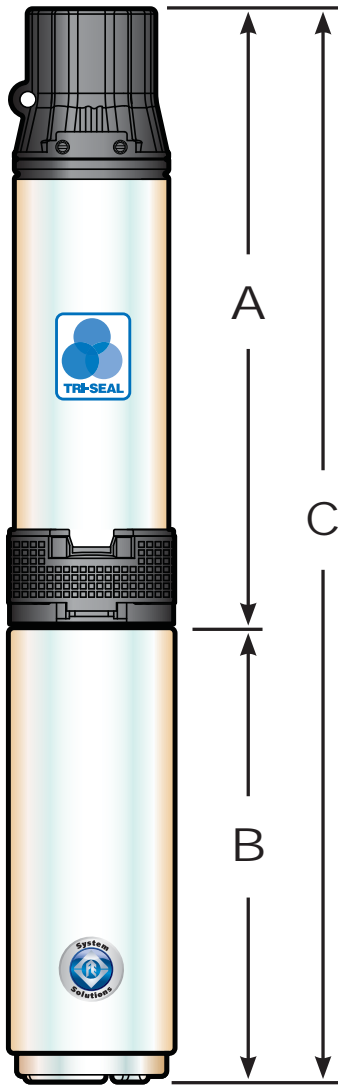
Capacities in U.S. Gallons per Minute:

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	35	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	62	53	44	36	27	18	10														
1.5	0	-	-	-	-	35	33	31	29	27	25	21	19											Shut-off 297 ft	
	20	-	-	34	32	30	28	26	24	22	19														
	30	-	34	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																		
Shut-off psi		120	111	103	94	85	77	68	59	51	42	25	16												
2	0	-	-	-	-	-	35	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															
Shut-off psi		154	145	136	128	119	110	102	93	84	76	58	50	33											
3	0	-	-	-	-	-	-	35	34	33	32	30	29	28	24	22	19	15						Shut-off 519 ft	
	20	-	-	-	-	34	33	32	32	31	30	28	27	25	22	19									
	30	-	-	-	34	33	32	32	31	30	29	28	26	25	22	18									
	40	-	35	34	33	32	31	31	30	29	28	27	24	23	21	15									
	50	35	34	33	32	31	31	30	29	28	26	25	23	22	19										
	60	34	33	32	31	31	30	29	28	26	25	23	22	19											
Shut-off psi		216	207	199	190	181	173	164	155	147	138	121	112	95	69	52	34	17							
5	0	-	-	-	-	-	-	-	-	-	-	35	34	33	32	31	30	28	28	24	20			Shut-off 833 ft	
	20	-	-	-	-	-	-	-	-	-	35	34	33	32	30	30	28	27	26	22	17				
	30	-	-	-	-	-	-	-	-	-	35	34	33	33	31	30	28	27	26	25	21	15			
	40	-	-	-	-	-	-	-	35	34	33	32	32	31	29	28	27	25	24	20					
	50	-	-	-	-	-	34	34	34	33	33	32	31	30	28	27	25	24	23	19					
	60	-	-	-	-	34	33	33	32	31	31	30	29	28	26	25	23	22	18						
Shut-off psi		352	343	335	326	317	309	300	291	283	274	257	248	231	205	187	170	153	144	101	58				

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

Dimensions

Plastic:



Notes: All lengths are in inches
 All weights are in pounds
 Maximum diameter with cable guard is 3.90"
 P.E. – Pump end only
 P.M.A. – Pump and motor assembly

2-Wire Motors:

GPM	HP	STAGES	A	B	C	P.E. WT.	P.M.A. WT.
5	1/2	8	13.74	9.51	23.25	6	23
	3/4	12	17.03	10.64	27.67	8	26
	1	15	19.49	11.73	31.22	9	27
	1.5	21	24.43	15.10	39.53	11	33
7	1/2	7	12.92	9.51	22.43	5	22
	3/4	10	15.38	10.64	26.02	7	25
	1	13	17.85	11.73	29.58	8	26
	1.5	18	21.96	15.10	37.06	11	33
10	1/2	6	12.59	9.51	22.10	5	22
	3/4	8	14.31	10.64	24.95	6	24
	1	11	17.06	11.73	28.79	7	28
	1.5	15	20.68	15.10	35.78	9	32
15	1/2	4	10.87	9.51	20.38	4	21
	3/4	6	12.59	10.64	23.23	5	23
	1	8	14.31	11.73	26.04	6	27
	1.5	11	17.06	15.1	32.16	7	30
20	3/4	5	13.27	10.64	23.91	8	23
	1	7	15.72	11.73	27.45	9	29
	1.5	9	18.16	15.10	33.26	10	41
25	1	6	14.50	11.73	26.23	8	30
	1.5	8	16.94	15.10	32.04	9	42

3-Wire Motors:

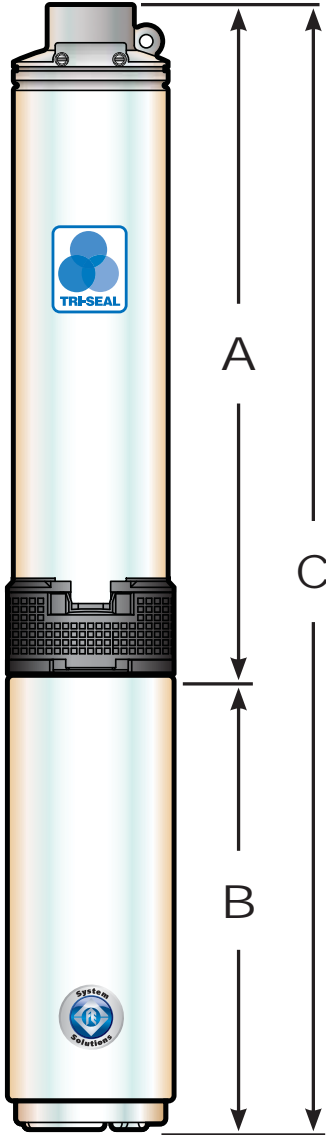
GPM	HP	STAGES	A	B	C	P.E. WT.	P.M.A. WT.
5	1/2	8	13.74	9.51	23.25	6	22
	3/4	12	17.03	10.64	27.67	8	24
	1	15	19.49	11.73	31.22	9	27
	1.5	21	24.43	13.60	38.03	11	33
7	1/2	7	12.92	9.51	22.43	5	21
	3/4	10	15.38	10.64	26.02	7	24
	1	13	17.85	11.73	29.58	8	25
	1.5	18	21.96	13.60	35.56	11	32
10	1/2	6	12.59	9.51	22.10	5	22
	3/4	8	14.31	10.64	24.95	6	24
	1	11	17.06	11.73	28.79	7	28
	1.5	15	20.68	13.60	34.28	9	33
15	1/2	4	10.87	9.51	20.38	4	21
	3/4	6	12.59	10.64	23.23	5	23
	1	8	14.31	11.73	26.04	6	27
	1.5	11	17.06	13.6	30.66	7	30
20	3/4	8	13.27	10.64	23.91	8	27
	1	11	15.72	11.73	27.45	9	29
	1.5	15	18.16	13.60	31.76	10	40
25	1	6	14.50	11.73	26.23	8	30
	1.5	8	16.94	13.60	30.54	9	41

J-CLASS
 SandHandler

4" Submersible Pumps

Dimensions

Stainless Steel:



Notes: All lengths are in inches
 All weights are in pounds
 Maximum diameter with cable guard is 3.90"
 P.E. – Pump end only
 P.M.A. – Pump and motor assembly

2-Wire Motors:

GPM	HP	STAGES	A	B	C	P.E. WT.	P.M.A. WT.
5	1/2	8	13.57	9.51	23.08	8	25
	3/4	12	16.86	10.64	27.50	10	28
	1	15	19.33	11.73	31.06	11	29
	1.5	21	24.26	15.10	39.36	13	35
7	1/2	7	12.75	9.51	22.26	7	24
	3/4	10	15.22	10.64	25.86	9	27
	1	13	17.68	11.73	29.41	10	28
10	1.5	18	21.80	15.10	36.90	13	35
	1/2	6	12.39	9.51	21.90	8	25
	3/4	8	14.14	10.64	24.78	9	27
15	1	11	16.85	11.73	28.58	10	32
	1.5	15	20.48	13.60	35.58	13	35
	1/2	4	10.64	9.51	20.15	7	25
	3/4	6	12.39	10.64	23.03	8	27
20	1	8	14.14	11.73	25.87	9	30
	1.5	11	16.85	15.1	31.95	10	33
	3/4	5	13.10	10.64	23.74	8	25
25	1	7	15.55	11.73	27.28	9	31
	1.5	9	17.99	15.10	33.09	10	43
	1	6	14.33	11.73	26.06	8	32
	1.5	8	16.77	15.10	31.87	9	44

3-Wire Motors:

GPM	HP	STAGES	A	B	C	P.E. WT.	P.M.A. WT.
5	1/2	8	13.57	9.51	23.08	8	25
	3/4	12	16.86	10.64	27.50	10	26
	1	15	19.33	11.73	31.06	11	29
	1.5	21	24.26	13.60	37.86	13	35
	2	26	30.46	15.10	45.56	15	N/A
7	1/2	7	12.75	9.51	22.26	7	23
	3/4	10	15.22	10.64	25.86	9	26
	1	13	17.68	11.73	29.41	10	27
	1.5	18	21.80	13.60	35.40	13	34
	2	24	26.73	15.10	41.83	16	N/A
	3	32	35.36	19.04	54.43	19	N/A
10	1/2	6	12.39	9.51	21.90	8	25
	3/4	8	14.14	10.64	24.78	9	26
	1	11	16.85	11.73	28.58	10	31
	1.5	15	20.48	13.60	34.08	13	36
	2	18	25.26	15.10	40.36	16	N/A
	3	24	30.70	19.04	49.74	17	N/A
	5	39	44.20	28.19	72.39	20	N/A
15	1/2	4	10.64	9.51	20.15	7	25
	3/4	6	12.39	10.64	23.03	8	27
	1	8	14.14	11.73	25.87	9	30
	1.5	11	16.85	13.6	30.45	10	33
	2	14	19.57	15.1	34.67	15	N/A
	3	19	26.17	23.6	49.77	16	N/A
20	5	31	37	29.6	66.6	18	N/A
	3/4	5	13.10	10.64	23.74	8	29
	1	7	15.55	11.73	27.28	9	31
	1.5	9	17.99	13.60	31.59	10	42
	2	12	21.66	15.10	36.76	12	N/A
	3	16	26.55	19.04	45.59	14	N/A
25	5	26	40.86	28.19	69.05	18	N/A
	1	6	14.33	11.73	26.06	8	32
	1.5	8	16.77	13.60	30.37	9	43
	2	10	19.22	15.10	34.32	10	N/A
	3	14	24.11	19.04	43.15	12	N/A
5	23	37.19	28.19	65.38	16	N/A	



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