

FPS

3200 SERIES REDUCED DIAMETER SUBMERSIBLE PUMPS

The 3200 Series submersible pumps are designed so that all parts of the pump end, including the cable guard, fall within the diameter of Franklin Electric's industry-leading submersible 4" motor. This reduced diameter pump end makes it ideal for installations where the well is considered encrusted or tight in comparison to a standard 4" well. The 3200 Series also offers a hydraulic stage design optimized for greater water and pressure output when installed at deeper well depths. For details on how to become a registered dealer and receive a 5-year warranty, contact your local distributor.



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Franklin Electric



3200 SERIES PUMPS

FEATURES

- Pump diameter is smaller than a standard 4" submersible for easier installation in reduced diameter 4" wells
- Hex rubber bearing and ceramic shaft sleeve allows sand and abrasives to pass through, virtually eliminating shaft wear and upper bearing failures
- Improved hydraulic performance for deeper set depths at all horsepower and flow ratings
 - Floating stage design allows for maximum efficiency while minimizing the downthrust load that is transferred to the motor
 - Modified PPO diffuser and disc with 300 Series stainless steel thrust and eye seal protection for durability and abrasion resistance
 - Acetal impeller provides high performance to increase pressure output while reducing system losses from friction
- Removable spring-loaded check valve
- Stainless steel pump intake screen and stainless steel cable guard
- Maximum water temperature: 120 °F / 49 °C
- Powered by corrosion-resistant Franklin Electric submersible 4" motor with lightning protection



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

3200 SERIES PUMPS - DIMENSIONS

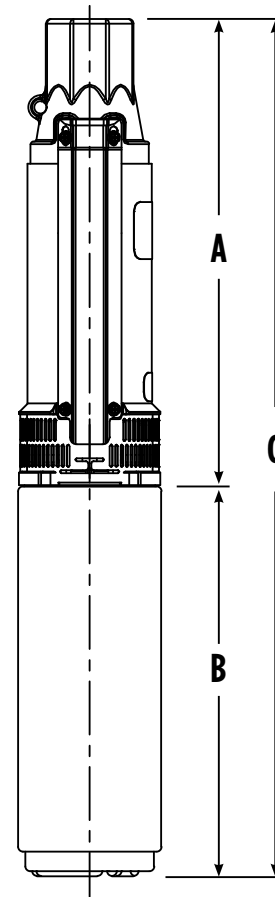
DIMENSIONS

Plastic w/ 2-Wire Motors							
GPM	HP	Stages	A	B	C	PE Wt.	PMA Wt.
5	1/2	13	18.4	9.5	27.9	8	27
	3/4	18	22.6	10.6	33.3	10	31
	1	22	26.0	11.7	37.7	11	35
7	1/2	10	15.9	9.5	25.4	7	26
	3/4	13	18.4	10.6	29.0	9	30
	1	18	22.6	11.7	34.3	11	35
10	1/2	11	16.7	9.5	26.2	8	27
	1/2	11	16.7	9.5	26.2	8	27
	3/4	14	19.2	10.6	29.8	10	31
	1	19	23.5	11.7	35.2	12	36

Plastic w/ 3-Wire Motors							
GPM	HP	Stages	A	B	C	PE Wt.	PMA Wt.
5	1/2	13	18.4	9.5	27.9	8	27
	3/4	18	22.6	10.6	33.3	10	31
	1	22	26.0	11.7	37.7	11	35
7	1/2	10	15.9	9.5	25.4	7	26
	3/4	13	18.4	10.6	29.0	9	30
	1	18	22.6	11.7	34.3	11	35
10	1/2	11	16.7	9.5	26.2	8	27
	1/2	11	16.7	9.5	26.2	8	27
	3/4	14	19.2	10.6	29.8	10	31
	1	19	23.5	11.7	35.2	12	36

Stainless Steel w/ 2-Wire Motors							
GPM	HP	Stages	A	B	C	PE Wt.	PMA Wt.
5	1/2	13	17	9.5	28.5	10	29
	3/4	18	21.2	10.6	31.9	12	33
	1	22	24.6	11.7	36.3	13	27
	1.5	30	32.7	15.1	47.8	19	50
7	1/2	10	14.5	9.5	24.0	9	28
	3/4	13	17	10.6	27.6	11	32
	1	18	21.2	11.7	32.9	13	37
	1.5	23	25.4	15.1	40.5	17	48
10	1/2	11	15.3	9.5	25.8	10	29
	1/2	11	15.3	9.5	25.8	10	29
	3/4	14	17.8	10.6	28.5	12	33
	1	19	22.1	11.7	33.8	14	38
	1.5	24	26.3	15.1	41.4	18	49

Stainless Steel w/ 3-Wire Motors							
GPM	HP	Stages	A	B	C	PE Wt.	PMA Wt.
5	1/2	13	17	9.5	26.5	10	29
	3/4	18	21.2	10.6	31.9	12	33
	1	22	24.6	11.7	36.3	13	27
	1.5	30	32.7	13.6	46.3	19	50
	2	38	39.5	15.1	54.6	23	-
7	1/2	10	14.5	9.5	24.0	9	28
	3/4	13	17	10.6	27.6	11	32
	1	18	21.2	11.7	32.9	13	37
	1.5	23	25.4	13.6	39.0	17	48
	2	30	32.7	15.1	38.8	20	-
	3	38	39.5	19.04	58.5	23	-
10	1/2	11	15.3	9.5	24.8	10	29
	1/2	11	15.3	9.5	24.8	10	29
	3/4	14	17.8	10.6	28.4	12	33
	1	19	22.1	11.7	33.8	14	38
	1.5	24	26.3	13.6	39.9	18	49



NOTE: All lengths are in inches; all weights are in pounds



3200 SERIES PUMPS - 5 GPM

PLASTIC ORDERING INFORMATION

GPM	HP	Stg.	Volts	2-Wire		3-Wire		
				Model No.	Order No.	Model No.	Order No.	Control Box
5	1/2	13	115	5FR05P4-2W115	96210505	5FR05P4-3W115	96210530	2801044915
	1/2	13	230	5FR05P4-2W230	96210510	5FR05P4-3W230	96210535	2801054915
	3/4	18	230	5FR07P4-2W230	96210515	5FR07P4-3W230	96210540	2801074915
	1	22	230	5FR1P4-2W230	96210520	5FR1P4-3W230	96210545	2801084915

STAINLESS STEEL ORDERING INFORMATION

GPM	HP	Stg.	Volts	2-Wire		3-Wire		
				Model No.	Order No.	Model No.	Order No.	Control Box
5	1/2	13	115	5FR05S4-2W115	96310505	5FR05S4-3W115	96310530	2801044915
	1/2	13	230	5FR05S4-2W230	96310510	5FR05S4-3W230	96310535	2801054915
	3/4	18	230	5FR07S4-2W230	96310515	5FR07S4-3W230	96310540	2801074915
	1	22	230	5FR1S4-2W230	96310520	5FR1S4-3W230	96310545	2801084915
	1.5	30	230	5FR15S4-2W230	96310525	5FR15S4-3W230	96310550	2823008610

PUMP END ASSEMBLIES ORDERING INFORMATION

Stainless Steel				
GPM	HP	Stg.	Model No.	Order No.
5	1/2	13	5FR05S4-PE	96320500
	3/4	18	5FR07S4-PE	96320501
	1	22	5FR1S4-PE	96320502
	1.5	30	5FR15S4-PE	96320503
	2	38	5FR2S4-PE	96320504

Plastic				
GPM	HP	Stg.	Model No.	Order No.
5	1/2	13	5FR05P4-PE	96220500
	3/4	18	5FR07P4-PE	96220501
	1	22	5FR1P4-PE	96220502

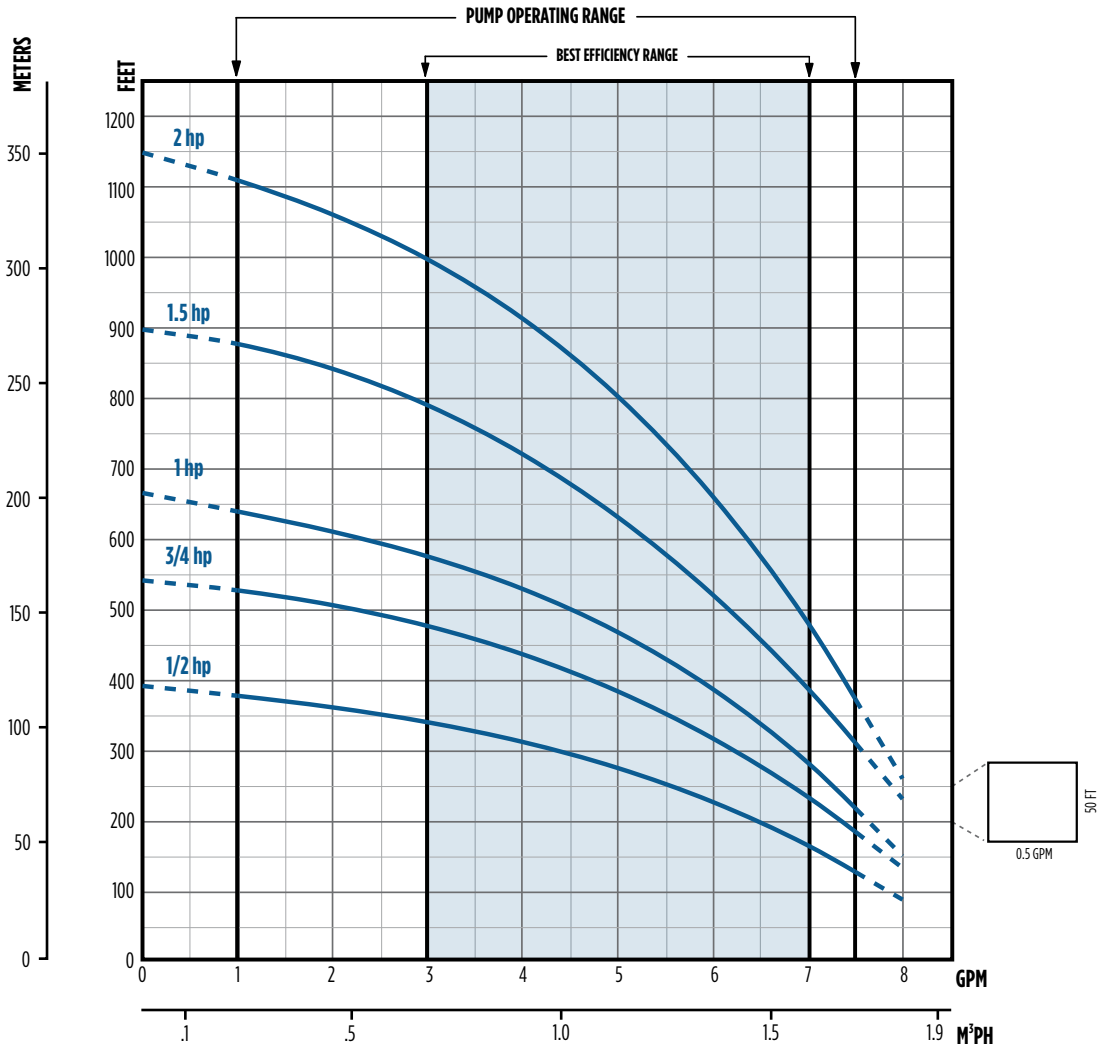
NOTE: Discharge is 1-1/4" NPT; maximum diameter across cable guard on all models is 3.75"

CAPACITIES IN U.S. GALLONS PER MINUTE

HP	PSI	Depth To Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																		Shut-off (ft)				
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700		800	900	1000	
1/2	0				8	8	8	7	7	7	6	5	4	3										390
	20		8	8	8	7	7	7	6	6	6	4	3											
	30	8	8	7	7	7	7	6	6	6	5	4	1											
	40	8	7	7	7	7	6	6	6	5	5	3												
	50	7	7	7	7	6	6	5	5	4	4	2												
	60	7	7	6	6	5	5	4	4	3														
	80	6	6	6	5	5	4	4	3	2														
Shut-off PSI		161	152	143	135	126	117	109	100	91	83	61	39	18										
3/4	0					8	8	8	8	7	7	6	6	5	4	2								541
	20				8	8	8	7	7	7	6	6	5	4	2									
	30			8	8	8	7	7	7	7	6	5	4	3	1									
	40		8	8	8	7	7	7	7	6	6	5	4	3										
	50	8	8	8	7	7	7	7	6	6	5	4	3	2										
	60	8	8	7	7	7	7	6	6	6	5	4	3											
	80	7	7	7	7	6	6	6	6	5	5	4	3	1										
Shut-off PSI		226	217	209	200	191	183	174	165	157	148	126	105	83	61	39	18							
1	0					8	8	8	8	7	7	6	6	5	5	2								666
	20				8	8	8	8	7	7	6	6	5	4	1									
	30				8	8	8	8	7	7	7	6	5	4	3									
	40			8	8	8	8	7	7	7	6	5	4	3										
	50		8	8	8	8	7	7	7	7	6	5	4	3	2									
	60	8	8	8	7	7	7	7	7	6	5	4	3	1										
	80	8	7	7	7	7	7	6	6	6	5	4	3	1										
Shut-off PSI		280	271	263	254	245	237	228	219	211	202	180	159	137	115	94	72	29						



3200 SERIES PUMPS - 5 GPM



HP	PSI	Depth To Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																		Shut-off (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700		800	900	1000
1.5	0										8	8	8	7	7	7	6	5	4	3			
	20									8	8	8	7	7	7	6	6	5	4	2			
	30								8	8	8	7	7	7	6	6	6	5	3	1			
	40							8	8	8	8	7	7	7	6	6	5	4	3				
	50						8	8	8	8	7	7	7	6	6	5	4	3					
	60		8	8	8	8	8	8	8	7	7	7	7	6	6	5	5	4	2				
	80	8	8	8	8	8	7	7	7	7	7	7	6	5	5	4	3	1					
Shut-off PSI		381	372	364	355	346	338	329	320	312	303	281	260	238	216	195	173	130	86	43			
2	0											8	8	8	7	7	7	6	5	4	3		
	20										8	8	8	7	7	7	6	5	4	2			
	30									8	8	8	8	7	7	7	6	5	4	3	2		
	40							8	8	8	8	8	7	7	7	6	6	5	4	3	1		
	50						8	8	8	8	8	7	7	7	6	6	5	4	3	1			
	60				8	8	8	8	8	8	8	7	7	7	6	6	5	5	4	2			
	80			8	8	8	8	8	8	8	7	7	7	6	6	5	4	3	2				
Shut-off PSI		491	482	473	465	456	447	439	430	421	413	391	369	348	326	304	282	239	195	152	109	66	



3200 SERIES PUMPS - 7 GPM

PLASTIC ORDERING INFORMATION

GPM	HP	Stg.	Volts	2-Wire		3-Wire		
				Model No.	Order No.	Model No.	Order No.	Control Box
7	1/2	10	115	7FR05P4-2W115	96210705	7FR05P4-3W115	96210730	2801044915
	1/2	10	230	7FR05P4-2W230	96210710	7FR05P4-3W230	96210735	2801054915
	3/4	13	230	7FR07P4-2W230	96210715	7FR07P4-3W230	96210740	2801074915
	1	18	230	7FR1P4-2W230	96210720	7FR1P4-3W230	96210745	2801084915

STAINLESS STEEL ORDERING INFORMATION

GPM	HP	Stg.	Volts	2-Wire		3-Wire		
				Model No.	Order No.	Model No.	Order No.	Control Box
7	1/2	10	115	7FR05S4-2W115	96310705	7FR05S4-3W115	96310730	2801044915
	1/2	10	230	7FR05S4-2W230	96310710	7FR05S4-3W230	96310735	2801054915
	3/4	13	230	7FR07S4-2W230	96310715	7FR07S4-3W230	96310740	2801074915
	1	18	230	7FR1S4-2W230	96310720	7FR1S4-3W230	96310745	2801084915
	1.5	23	230	7FR15S4-2W230	96310725	7FR15S4-3W230	96310750	2823008610

PUMP END ASSEMBLIES ORDERING INFORMATION

Stainless Steel				
GPM	HP	Stg.	Model No.	Order No.
7	1/2	10	7FR05S4-PE	96320700
	3/4	13	7FR07S4-PE	96320701
	1	18	7FR1S4-PE	96320702
	1.5	23	7FR15S4-PE	96320703
	2	30	7FR2S4-PE	96320704
	3	38	7FR3S4-PE	96320705

Plastic				
GPM	HP	Stg.	Model No.	Order No.
7	1/2	10	7FR05P4-PE	96220700
	3/4	13	7FR07P4-PE	96220701
	1	18	7FR1P4-PE	96220702

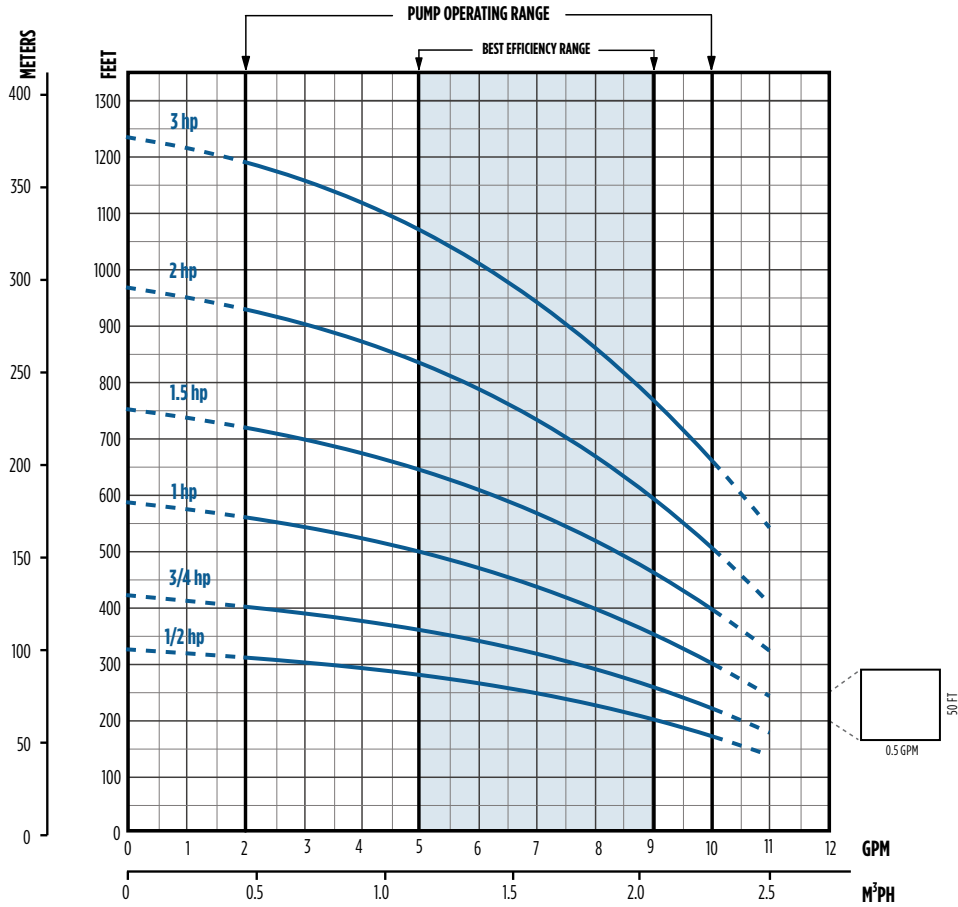
NOTE: Discharge is 1-1/4" NPT; maximum diameter across cable guard on all models is 3.75"

CAPACITIES IN U.S. GALLONS PER MINUTE

HP	PSI	Depth To Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																		ShutOff (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700		800	900	1000
1/2	0				12	12	11	11	10	10	9	7	3										324t
	20		12	12	11	11	10	9	9	8	7	4											
	30	12	12	11	11	10	9	9	8	7	6	1											
	40	12	11	11	10	9	9	8	7	5	4												
	50	11	10	10	9	8	8	7	5	4	1												
	60	10	10	9	8	7	6	5	3	1													
80	9	8	7	6	5	3																	
Shut-off PSI		132	123	115	106	97	89	80	71	63	54	32	10										
3/4	0					12	12	11	11	10	9	8	5	2									421
	20				12	12	11	11	10	10	9	8	6	2									
	30			12	12	11	11	10	10	9	9	7	4										
	40		12	11	11	11	10	10	9	9	8	6	3										
	50	12	11	11	11	10	10	9	8	8	7	5	1										
	60	11	11	10	10	10	9	8	8	7	6	3											
80	10	10	9	9	8	7	7	6	5	3													
Shut-off PSI		174	165	156	148	139	130	122	113	104	96	74	52	31	9								
1	0							12	12	12	11	10	9	8	7	5							586
	20						12	12	11	11	11	10	9	8	7	5	3						
	30					12	12	11	11	11	11	10	9	7	6	4	1						
	40				12	12	11	11	11	11	10	10	9	8	7	5	3						
	50			12	12	11	11	11	11	10	10	10	9	8	6	5	2						
	60		12	12	11	11	11	10	10	10	10	9	8	7	5	3							
80	12	11	11	11	10	10	10	9	9	8	7	6	3										
Shut-off PSI		245	237	228	219	211	202	193	185	176	167	146	124	102	81	59	37						



3200 SERIES PUMPS - 7 GPM



HP	PSI	Depth To Pumping Water Level, or Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																			ShutOff (ft)			
		20	40	60	80	100	120	140	160	180	200	250	300	350	400	450	500	600	700	800		900	1000	
1.5	0									12	12	11	11	10	9	8	6	3						
	20									12	12	11	11	10	9	8	7	5						
	30									12	12	11	10	10	9	8	7	4						
	40								12	12	12	11	11	10	9	8	8	6	3					
	50								12	12	12	11	11	10	9	8	7	6	2					
	60						12	12	11	11	11	10	10	9	8	7	5	1						
	80		12	12	12	11	11	11	11	10	10	9	9	8	7	5	4							
Shut-off PSI		317	309	300	291	283	274	265	257	248	139	218	196	174	153	131	109	66	23					
2	0											12	12	11	11	10	9	8	6	3				
	20											12	12	11	11	10	10	8	7	5	1			
	30											12	12	11	11	10	10	9	8	6	4			
	40										12	12	12	11	11	10	10	9	8	6	3			
	50										12	12	12	11	11	10	10	9	9	7	5	3		
	60										12	12	12	11	11	10	10	9	8	7	5	2		
	80						12	12	12	12	11	11	11	10	10	9	8	8	6	4				
Shut-off PSI		411	403	394	385	376	368	359	350	342	333	312	290	268	247	225	203	160	117	73	30			

HP	PSI	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	ShutOff (ft)
3	0				12	11	11	10	9	8	6	4	2			
	20				12	11	10	9	8	7	5	3				
	30				12	12	11	10	9	8	7	5	3			
	40				12	11	11	10	9	8	6	5	2			
	50				12	11	10	10	9	7	6	4	1			
	60				12	11	10	9	8	7	6	4				
	80				12	11	10	9	8	6	5	2				
Shut-off PSI		493	450	406	363	319	276	233	189	146	103	59	16			



3200 SERIES PUMPS - 10 GPM

PLASTIC ORDERING INFORMATION

GPM	HP	Stg.	Volts	2-Wire		3-Wire		
				Model No.	Order No.	Model No.	Order No.	Control Box
10	1/2	11	115	10FRD05P4-2W115	96211005	10FRD05P4-3W115	96211030	2801044915
	1/2	11	230	10FRD05P4-2W230	96211010	10FRD05P4-3W230	96211035	2801054915
	3/4	14	230	10FRD07P4-2W230	96211015	10FRD07P4-3W230	96211040	2801074915
	1	19	230	10FRD1P4-2W230	96211020	10FRD1P4-3W230	96211045	2801084915

STAINLESS STEEL ORDERING INFORMATION

GPM	HP	Stg.	Volts	2-Wire		3-Wire		
				Model No.	Order No.	Model No.	Order No.	Control Box
10	1/2	11	115	10FRD05S4-2W115	96311005	10FRD05S4-3W115	96311030	2801044915
	1/2	11	230	10FRD05S4-2W230	96311010	10FRD05S4-3W230	96311035	2801054915
	3/4	14	230	10FRD07S4-2W230	96311015	10FRD07S4-3W230	96311040	2801074915
	1	19	230	10FRD1S4-2W230	96311020	10FRD1S4-3W230	96311045	2801084915
	1.5	24	230	10FRD1S4-2W230	96311025	10FRD1S4-3W230	96311050	2823008610

PUMP END ASSEMBLIES ORDERING INFORMATION

Stainless Steel				
GPM	HP	Stg.	Model No.	Order No.
10	1/2	11	10FRD05S4-PE	96321000
	3/4	14	10FRD07S4-PE	96321001
	1	19	10FRDIS4-PE	96321002
	1.5	24	10FRD1S4-PE	96321003

Plastic				
GPM	HP	Stg.	Model No.	Order No.
10	1/2	11	10FRD05P4-PE	96221000
	3/4	14	10FRD07P4-PE	96221001
	1	19	10FRDIP4-PE	96221002

NOTE: Discharge is 1-1/4" NPT; maximum diameter across cable guard on all models is 3.75"

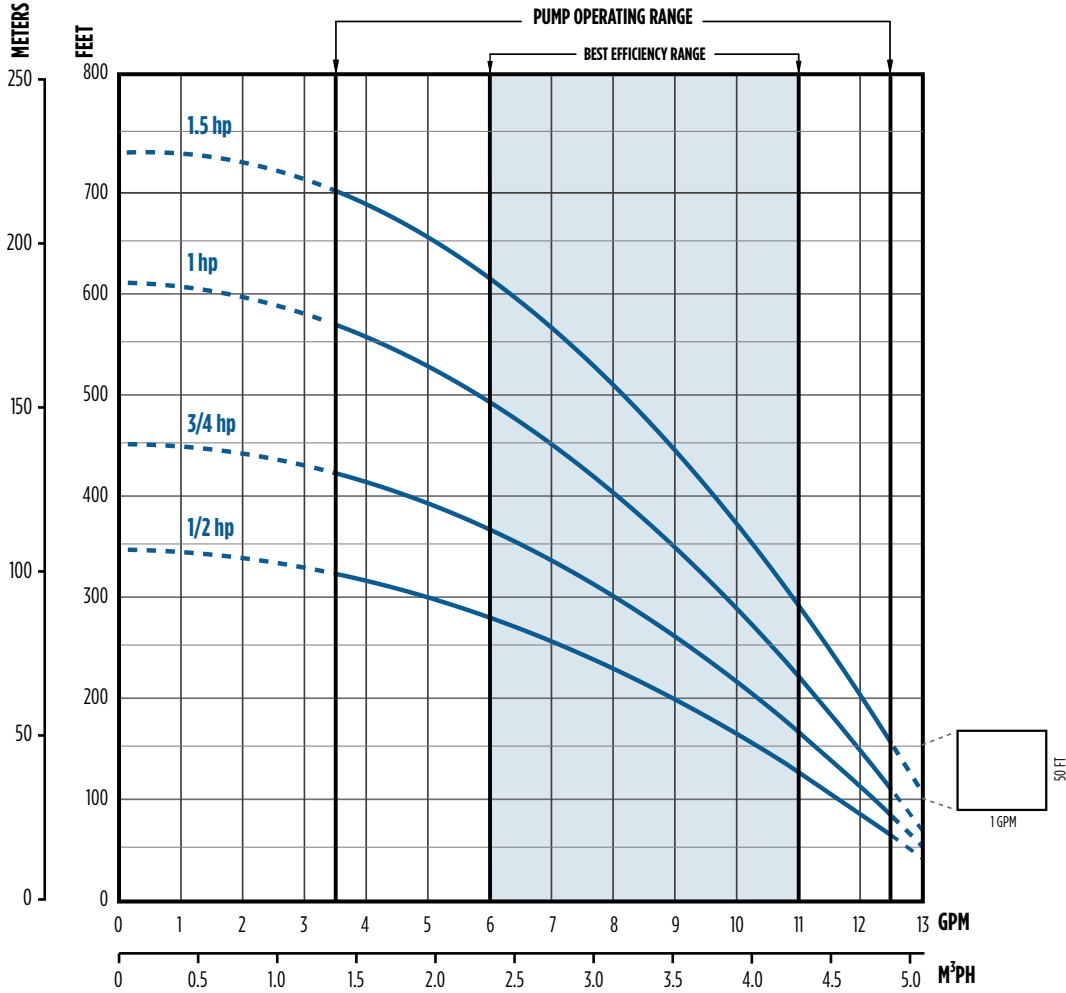
CAPACITIES IN U.S. GALLONS PER MINUTE

HP	PSI	Depth To Pumping Water Level, Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																	ShutOff (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	800	
1/2	0					12	12	11	11	10	10	9	8	6	4	0												
	10				12	12	11	11	10	10	9	9	8	7	5	1	0											
	20		12	12	12	11	11	10	10	9	9	8	7	6	3	0												
	30	12	12	11	11	10	10	9	9	8	7	6	4	0														
	40	12	11	11	10	10	9	9	8	7	6	5	3	0														
	50	11	11	10	10	9	8	8	7	6	5	4	0															
	60	11	10	10	9	8	8	7	6	5	4	2	0															
	70	10	10	9	8	8	7	6	5	4	2	0																
80	9	9	8	7	7	6	5	3	1	0																		
Shut-off PSI		153	144	135	127	118	110	101	92	84	75	66	49	32	14	0												

3/4	0					13	12	12	12	11	11	10	9	9	7	6	5	2	0									
	10				13	12	12	11	11	11	10	10	9	8	7	5	3	0										
	20		13	12	12	12	11	11	11	11	10	10	9	8	7	6	4	1	0									
	30	13	12	12	12	11	11	11	10	10	10	9	9	8	7	5	3	0										
	40	12	12	12	11	11	10	10	10	9	9	8	7	6	4	0												
	50	12	12	11	11	10	10	10	9	9	8	8	6	5	3	0												
	60	12	11	11	10	10	10	9	9	8	8	7	6	4	0													
	70	11	11	10	10	9	9	8	8	7	7	6	5	2	0													
80	11	10	10	9	9	8	8	7	7	6	5	3	0															
Shut-off PSI		197	188	180	171	162	154	145	136	128	119	110	93	76	58	41	24	6	0									



3200 SERIES PUMPS - 10 GPM



HP	PSI	Depth To Pumping Water Level, Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																			ShutOff (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	800			
1	0						13	12	12	12	12	11	11	10	9	8	7	6	6	4	2	0								
	10					13	12	12	12	12	11	11	10	10	9	8	7	6	5	3	0									
	20					13	12	12	12	12	11	11	11	10	9	8	7	6	5	4	2	0								
	30			13	13	12	12	12	12	11	11	11	11	10	10	9	8	7	6	4	4	0								
	40		13	12	12	12	12	12	12	11	11	11	11	10	9	8	7	6	5	3	2	0								
	50		12	12	12	12	12	12	12	11	11	11	11	10	10	9	8	7	6	5	4	2	0							
	60		12	12	12	11	11	11	11	10	10	10	10	10	9	8	8	7	6	5	3	0								
	70		12	12	11	11	11	11	10	10	10	10	9	9	9	8	7	6	5	4	2	0								
80		12	11	11	11	11	10	10	10	9	9	9	8	8	7	6	4	3	0											
1.5	0										13	12	12	11	11	11	10	9	9	9	8	7	6	4	2	0				
	10										13	12	12	12	12	11	11	10	10	9	9	8	7	6	5	4	0			
	20										13	12	12	12	12	11	11	10	10	9	9	8	7	6	5	3	0			
	30										13	12	12	12	12	12	11	11	10	10	9	8	8	7	7	5	4	0		
	40										13	12	12	12	12	12	11	11	10	10	9	9	8	7	7	6	5	3	0	
	50										13	12	12	12	12	12	11	11	11	10	10	9	8	8	7	7	5	4	0	
	60										13	12	12	12	12	12	11	11	11	11	10	9	9	8	7	7	6	5	3	0
	70	13	13	12	12	12	12	12	12	11	11	11	11	11	10	10	9	9	8	8	7	6	6	6	4	0				
80	12	12	12	12	12	11	11	11	11	11	10	10	10	10	9	9	8	7	6	5	5	3	0							
Shut-off PSI		331	323	314	305	297	288	279	271	262	253	245	227	210	193	175	158	141	123	115	93	71	50	28	6	0				

NOTES

