

# J-CLASS

## 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.



[franklinwater.com](http://franklinwater.com)

 **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

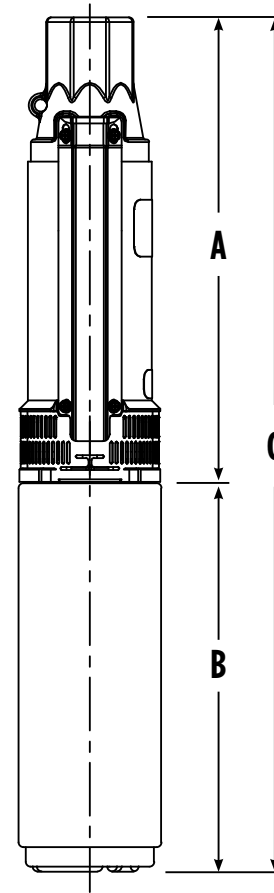
### DIMENSIONS

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	N/A
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	N/A
	3	38	39.5	19.04	58.5	23	N/A
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	5JR05P4-2W115	96230505	5JR05P4-3W115	96230530	2801044915
	1/2	13	230	5JR05P4-2W230	96230510	5JR05P4-3W230	96230535	2801054915
	3/4	18	230	5JR07P4-2W230	96230515	5JR07P4-3W230	96230540	2801074915
	1	22	230	5JR1P4-2W230	96230520	5JR1P4-3W230	96230545	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	5JR05S4-2W115	96330505	5JR05S4-3W115	96330530	2801044915
	1/2	13	230	5JR05S4-2W230	96330510	5JR05S4-3W230	96330535	2801054915
	3/4	18	230	5JR07S4-2W230	96330515	5JR07S4-3W230	96330540	2801074915
	1	22	230	5JR1S4-2W230	96330520	5JR1S4-3W230	96330545	2801084915
	1.5	30	230	5JR15S4-2W230	96330525	5JR15S4-3W230	96330550	2823008610

## PUMP END ASSEMBLIES ORDERING INFORMATION

Stainless Steel				
GPM	HP	Stg.	Model No.	Order No.
5	1/2	13	5JR05S4-PE	96340500
	3/4	18	5JR07S4-PE	96340501
	1	22	5JR1S4-PE	96340502
	1.5	30	5JR15S4-PE	96340503
	2	38	5JR2S4-PE	96340504

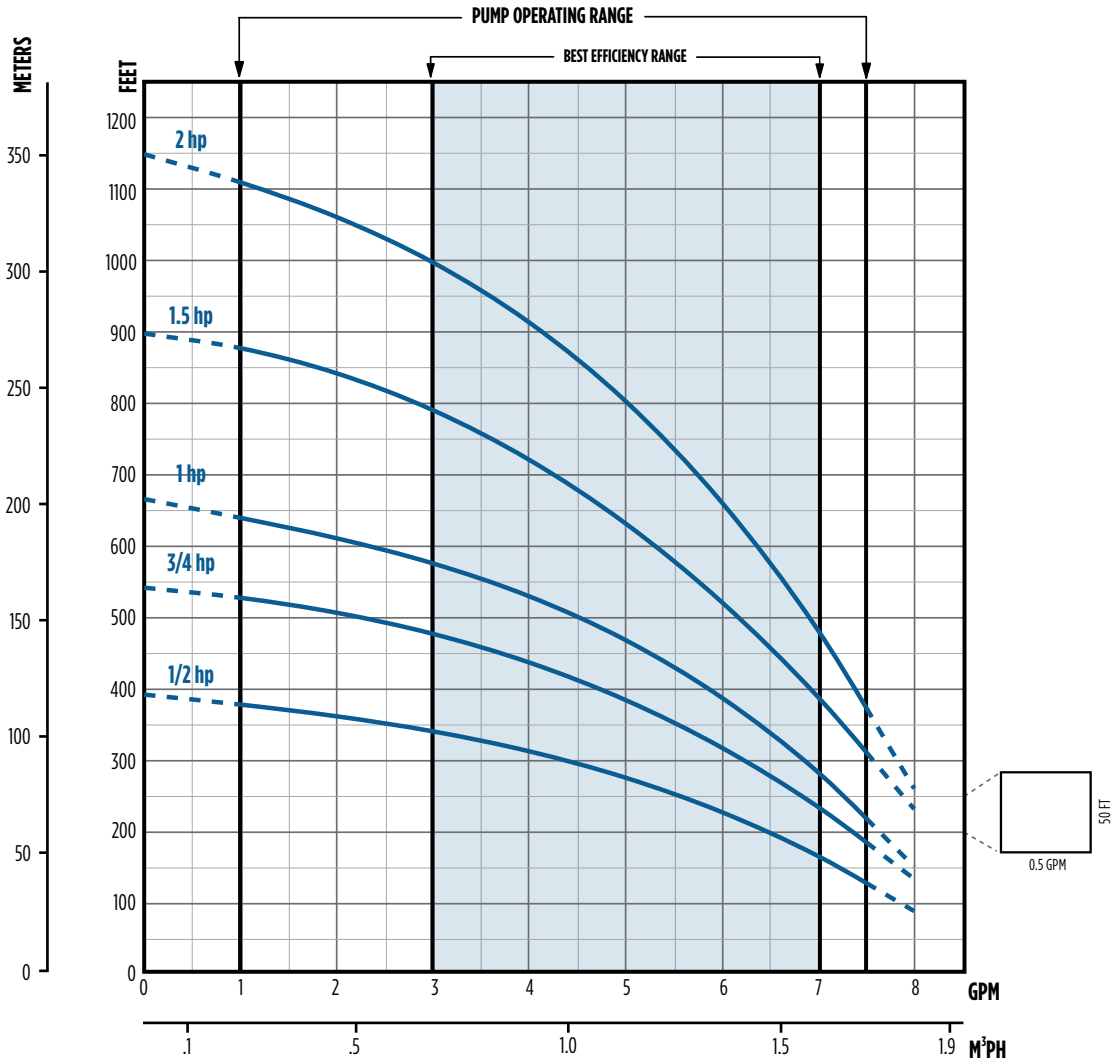
Plastic				
GPM	HP	Stg.	Model No.	Order No.
5	1/2	13	5JR05P4-PE	96240500
	3/4	18	5JR07P4-PE	96240501
	1	22	5JR1P4-PE	96240502

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

## 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	250	300	350	400	450	500	600	700	800	900	1000	
1/2	0				8	8	8	7	7	7	6	5	4	3									
	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	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							
	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	7	6	5	4	3									
	50	8	8	8	7	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	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	8	7	7	6	6	5	5	2						
	20				8	8	8	8	8	7	7	6	6	5	5	4	1						
	30				8	8	8	8	7	7	7	6	6	5	4	3							
	40			8	8	8	8	7	7	7	7	6	5	5	4	3							
	50		8	8	8	8	7	7	7	7	6	6	5	4	3	2							
	60	8	8	8	7	7	7	7	7	7	6	5	5	4	3	1							
	80	8	7	7	7	7	7	7	6	6	6	5	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																				
		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	5	4	2			
	30								8	8	8	7	7	7	6	6	5	3	1			
	40						8	8	8	8	7	7	7	6	6	5	4	3				
	50					8	8	8	8	8	7	7	7	6	6	5	4	3				
	60				8	8	8	8	8	7	7	7	7	6	6	5	4	2				
	80	8	8	8	8	8	7	7	7	7	7	6	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	7	7	7	6	5	3	2		
	40								8	8	8	8	7	7	7	6	5	4	3	1		
	50						8	8	8	8	8	8	7	7	7	6	5	4	3	1		
	60					8	8	8	8	8	8	7	7	7	6	6	5	4	2			
	80				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	7JR05P4-2W115	96230705	7JR05P4-3W115	96230730	2801044915
	1/2	10	230	7JR05P4-2W230	96230710	7JR05P4-3W230	96230735	2801054915
	3/4	13	230	7JR07P4-2W230	96230715	7JR07P4-3W230	96230740	2801074915
	1	18	230	7JRIP4-2W230	96230720	7JRIP4-3W230	96230745	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	7JR05S4-2W115	96330705	7JR05S4-3W115	96330730	2801044915
	1/2	10	230	7JR05S4-2W230	96330710	7JR05S4-3W230	96330735	2801054915
	3/4	13	230	7JR07S4-2W230	96330715	7JR07S4-3W230	96330740	2801074915
	1	18	230	7JRIS4-2W230	96330720	7JRIS4-3W230	96330745	2801084915
	1.5	23	230	7JRIS4-2W230	96330725	7JRIS4-3W230	96330750	2823008610

## PUMP END ASSEMBLIES ORDERING INFORMATION

Stainless Steel				
GPM	HP	Stg.	Model No.	Order No.
7	1/2	10	7JR05S4-PE	96340700
	3/4	13	7JR07S4-PE	96340701
	1	18	7JRIS4-PE	96340702
	1.5	23	7JRIS4-PE	96340703
	2	30	7JR2S4-PE	96340704
	3	38	7JR3S4-PE	96340705

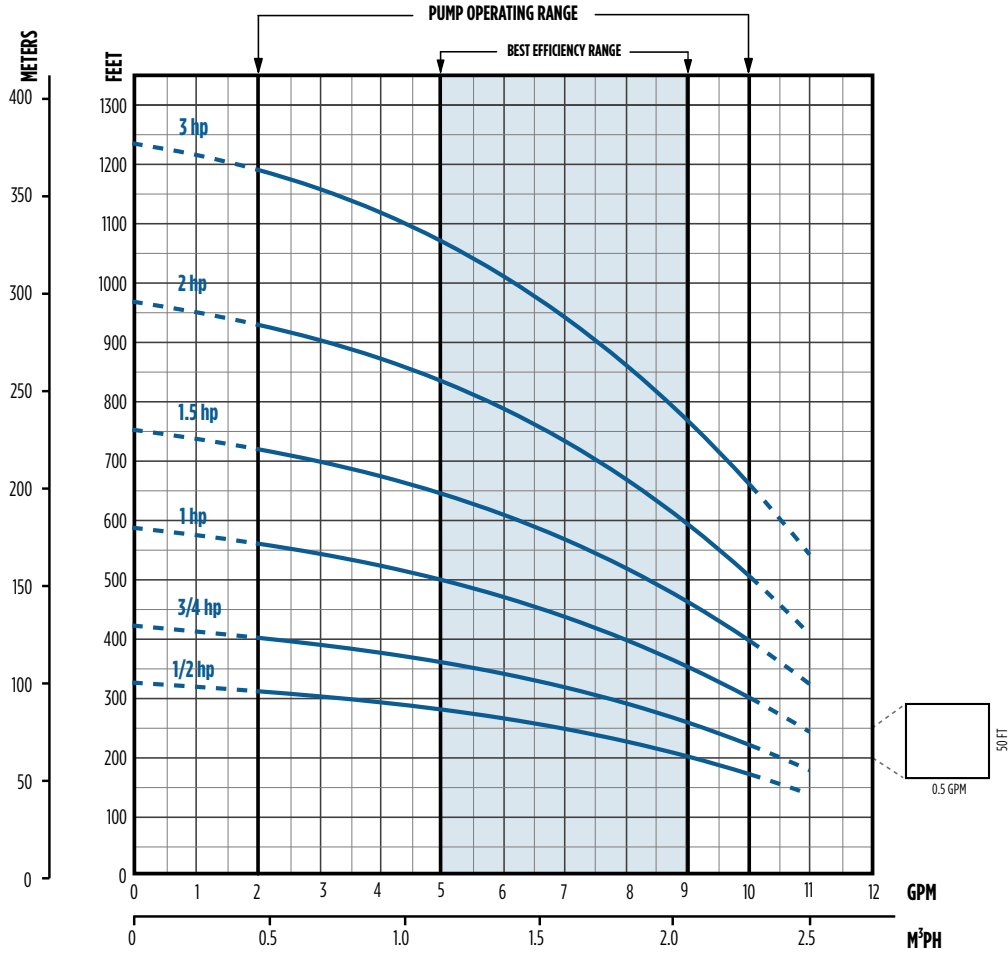
Plastic				
GPM	HP	Stg.	Model No.	Order No.
7	1/2	10	7JR05P4-PE	96240700
	3/4	13	7JR07P4-PE	96240701
	1	18	7JRIP4-PE	96240702

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

## 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	250	300	350	400	450	500	600	700	800	900	1000	
1/2	0				12	12	12	11	10	10	9	7	5										
	20		12	12	11	11	10	9	8	7	4												
	30	12	12	11	11	10	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	12	11	11	10	9	8	5	2									
	20				12	12	11	11	10	10	9	8	6										
	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								
	20						12	12	11	11	11	10	9	8	7	5	3						
	30					12	12	11	11	11	11	10	9	8	7	6	4	1					
	40				12	12	11	11	11	10	10	9	8	7	5	3							
	50			12	12	11	11	11	10	10	10	9	8	6	5	2							
	60		12	12	11	11	11	11	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																					
		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	12	11	10	9	8	7	5						
	30							12	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	10	9	8	7	6	2						
	60				12	12	11	11	11	11	10	9	9	8	7	5	1						
	80	12	309	300	291	283	274	265	257	248	139	218	196	174	153	131	109	66	23				
Shut-off PSI		317	309	300	291	283	274	265	257	248	139	218	196	174	153	131	109	66	23				

2	0										12	11	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	7	5	3				
	60									12	12	12	11	11	10	10	9	8	7	5	2			
	80					12	12	12	12	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
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	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	10JRD05P4-2W115	96231005	10JRD05P4-3W115	96231030	2801044915
	1/2	11	230	10JRD05P4-2W230	96231010	10JRD05P4-3W230	96231035	2801054915
	3/4	14	230	10JRD07P4-2W230	96231015	10JRD07P4-3W230	96231040	2801074915
	1	19	230	10JRD1P4-2W230	96231020	10JRD1P4-3W230	96231045	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	10JRD05S4-2W115	96331005	10JRD05S4-3W115	96331030	2801044915
	1/2	11	230	10JRD05S4-2W230	96331010	10JRD05S4-3W230	96331035	2801054915
	3/4	14	230	10JRD07S4-2W230	96331015	10JRD07S4-3W230	96331040	2801074915
	1	19	230	10JRD1S4-2W230	96331020	10JRD1S4-3W230	96331045	2801084915
	1.5	24	230	10JRD1SS4-2W230	96331025	10JRD1SS4-3W230	96331050	2823008610

## PUMP END ASSEMBLIES ORDERING INFORMATION

Stainless Steel				
GPM	HP	Stg.	Model No.	Order No.
10	1/2	11	10JRD05S4-PE	96341000
	3/4	14	10JRD07S4-PE	96341001
	1	19	10JRD1S4-PE	96341002
	1.5	24	10JRD1SS4-PE	96341003

Plastic				
GPM	HP	Stg.	Model No.	Order No.
10	1/2	11	10JRD05P4-PE	96241000
	3/4	14	10JRD07P4-PE	96241001
	1	19	10JRD1P4-PE	96241002

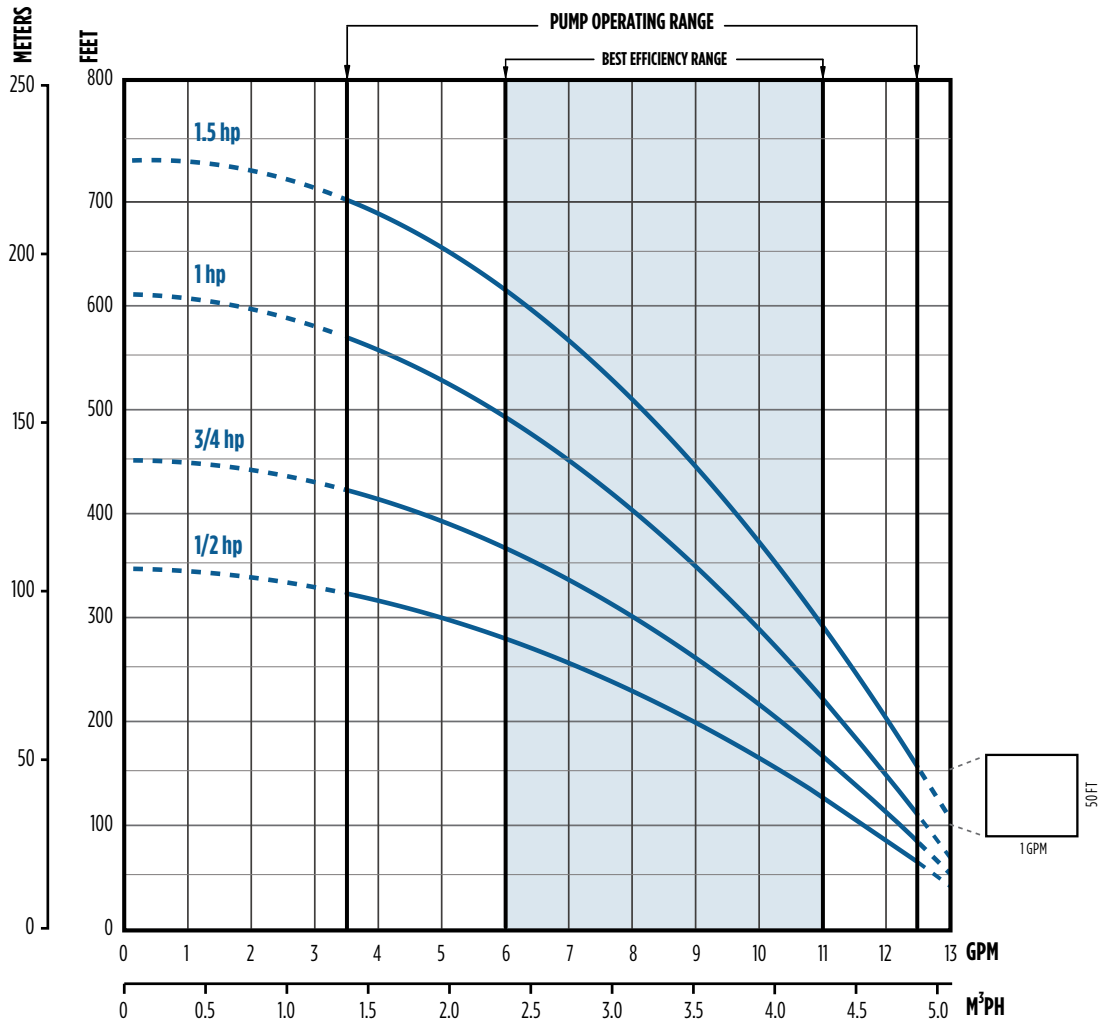
NOTE: Discharge is 1-1/4" NPT. Maximum diameter across cable guard is 3.75" on all models

## CAPACITIES IN U.S. GALLONS PER MINUTE

HP	PSI	Depth To Pumping Water Level, Lift, in Feet. Shaded Areas Indicate Most Efficient Performance																								
		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																									
	10				12	12	11	11	10	9	9	8	7	5	1	0										
	20		12	12	12	11	11	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	10	10	9	8	7	6	4	1	0								
	30	13	12	12	12	11	11	11	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																								
		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	9	8	7	6	6	4	2	0			
	10					13	12	12	12	12	11	11	10	10	9	8	8	7	6	5	3	0				
	20			13	12	12	12	12	11	11	11	10	10	9	9	8	7	6	5	4	2	0				
	30		13	13	12	12	12	11	11	11	11	10	10	9	8	7	7	6	4	4	0					
	40	13	12	12	12	12	11	11	11	11	10	10	9	9	8	7	6	5	3	2	0					
	50	12	12	12	12	11	11	11	11	10	10	10	9	8	7	6	5	4	2	0						
	60	12	12	12	11	11	11	10	10	10	10	9	8	8	7	6	5	3	0							
	70	12	12	11	11	11	10	10	10	9	9	8	8	7	6	5	4	2	0							
	80	12	11	11	11	10	10	10	9	9	8	8	7	6	4	3	0									
Shut-off PSI		268	259	250	242	233	224	216	207	198	190	181	164	146	129	112	94	77	60	51	29	8	0			
1.5	0							13	13	12	12	11	11	11	10	9	9	9	8	7	6	4	2	0		
	10						13	12	12	12	12	11	11	11	10	10	9	8	7	6	5	3	0			
	20						13	12	12	12	12	11	11	11	10	10	9	8	7	6	5	3	0			
	30					13	12	12	12	12	11	11	11	10	10	9	8	8	7	7	5	4	0			
	40				13	12	12	12	12	12	11	11	11	10	10	9	8	7	7	6	5	3	0			
	50			13	12	12	12	12	12	11	11	11	11	10	10	9	8	7	7	5	4	0				
	60		13	12	12	12	12	11	11	11	11	10	10	10	9	8	7	7	6	5	3	0				
	70	13	13	12	12	12	12	11	11	11	11	10	10	9	8	8	7	6	6	4	0					
	80	12	12	12	12	12	11	11	11	11	10	10	10	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





