

Four-Inch Submersible Pumps

FOR HOME, FARM AND INDUSTRY

Series "4F"

Low, medium and high capacity submersible pumps for home, farm, industry and many other domestic and commercial applications

- Stainless steel or cast iron suction and discharge housings
- Stainless steel pump shell
- Stainless steel hex drive shaft and coupling
- Stainless steel screen
- Corrosion resistant cable guard
- NEMA standard motor mounting ring
- Field replaceable cartridge assembly, lead guard, motor and motor lead wire assembly
- Stainless steel motors with lightning protection - (F&W available up to 2 HP)



'S' Commander®
Series — 304 SS
Suction & Discharge

'A' Captain® Series
— Cast Iron Suction
& Discharge

5 thru 27 GPM - 'A' and 'S' Series

35 thru 85 GPM - Hi Cap 'A' and 'S' Series

*USING A MAJORITY OF U.S. COMPONENTS



Trust runs deep®



Component Description	Commander® 'S' Series 5, 7, 10, 15, 19 & 27 GPM 1/2 thru 5 HP	Captain® 'A' Series 5, 7, 10, 19 & 27 GPM 1/2 thru 5 HP	Commander® Plus 'S' Series 35, 55 & 85 GPM 1 thru 7-1/2 HP	Captain® Plus 'A' Series 35, 55 & 85 GPM 1 thru 7-1/2 HP
Discharge Head	Stainless Steel, 1-1/4" NPT, safety rope eyelet included	Cast Iron, 1-1/4" NPT, safety rope eyelet included	Stainless Steel, 2" NPT, safety rope eyelets included	Cast Iron, 2" NPT
Check Valve Poppet	Internal removable, with elastomer sealing ring		Check valve not included	
Top Bearing	Closed sintered lead free sleeve bearing		Closed sintered lead free sleeve bearing	Closed sintered lead free sleeve bearing
Pump Shell	Heavy wall stainless steel			
Cable Guard	Stainless steel	Stainless steel or Crush-proof PVC	Stainless steel	Stainless steel or Crush-proof PVC
Staging*	Noryl® impellers and diffusers; stainless steel floating bearing inserts and acetal diffuser plates			
Pump Shaft*	Stainless steel hex shaft with one piece motor-to-shaft coupling			
Motor Bracket	NEMA standard, stainless steel with stainless steel suction screen	NEMA standard, cast iron with stainless steel suction screen	NEMA standard, stainless steel with stainless steel suction screen	NEMA standard, cast Iron with stainless steel suction screen
Motor	All pumps driven by a complete selection stainless steel two wire or three wire motors. (F&W available up to 2 HP).		All pumps driven by a complete selection of stainless steel two wire or three wire motors. (F&W available up to 2 HP). Order motors separately.	
Motor Controls	F&W control boxes required for three-wire single phase motors. Magnetic starters and heaters are required for three phase models. Purchase at your local electrical outlet.			

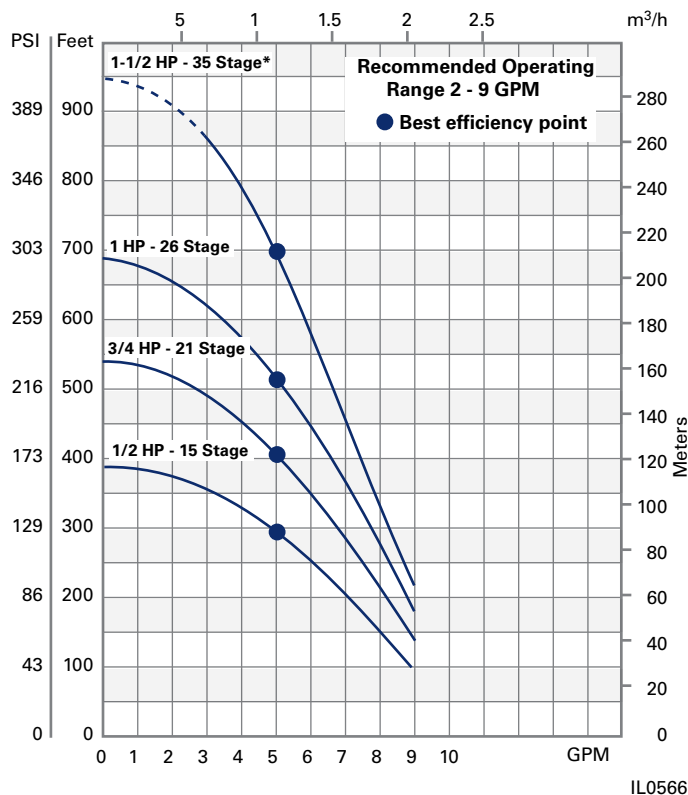
* Replacement cartridge assembly available for select models. Includes all necessary parts to restore pumps to like-new performance. No special tools required.
Noryl® is a registered trademark of General Electric.

4" 5 GPM • 1/2 thru 1 1/2 HP • 3450 RPM • 60 Cycle

HP Size and Model No.	Stages	Weight		Disch. Pressure PSI	DEPTH TO WATER LEVEL IN FEET																												Max. Pressure	
		Motor Type	Ship Wt.		20	40	60	80	100	120	140	160	180	200	225	250	275	300	325	350	400	450	500	550	600	650	700	800	Ft.	PSI				
					CAPACITIES IN GALLONS PER MINUTE																													
1/2 HP 4F05A05 4F05S05 4F05G05	15	1 PH 3 Wire	29	0				8.8	8.4	8.9	8.5	8.2	7.8	7.4	7.0	6.5	5.9	5.3	4.7	4.0	3.2									390	168			
				20																														
				40		8.3	7.9	8.4	8.1	7.7	7.3	6.9	6.5	6.0	5.5	4.8	4.1	3.3	2.3															
		1 PH 2 Wire	29	60		7.5	7.1	6.7	6.2	5.8	5.3	4.8	4.2	3.6	2.7																			
				80		6.5	6.1	5.6	5.1	4.6	4.0	3.4	2.6	1.2																				
3/4 HP 4F05A07 4F05S07	21	1 PH 3 Wire	35	0						8.9	8.7	8.4	8.2	7.8	7.5	7.2	6.9	6.5	6.1	5.7	5.3	4.3	3.0						550	238				
				20																														
				40																														
		1 PH 2 Wire	35	60		8.7	8.5	8.2	8.0	7.7	7.5	7.2	6.9	6.5	6.2	5.8	5.4	4.9	4.5	3.9	3.3	1.3												
				80		8.2	7.9	7.7	7.4	7.1	6.8	6.5	6.2	5.8	5.4	4.9	4.5	3.9	3.3	2.6	1.5													
1 HP 4F05A10 4F05S10	26	1 PH 3 Wire	43	0										8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.1	6.5	5.9	5.3	4.5	3.6	2.3		695	300				
				20																														
				40																														
		1 PH 2 Wire	43	60																														
				80																														
1-1/2 HP 4F05A15 4F05S15	35	1 PH 3 Wire	55	0												8.9	8.7	8.5	8.3	8.2	8.0	7.5	7.1	6.7	6.3	5.9	5.4	5.0	4.0	950	411			
				20																														
				40																														
		1 PH 2 Wire	55	60																														
				80																														
		3 PH 3 Wire	52	60																														
				80																														

NOTE: Pipe friction loss in drop pipe is not included in chart above.
1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

5 GPM • 1/2 - 1 1/2 HP



* Pumps marked with asterisks not to be operated at GPM flows indicated by dotted line.

Stainless Steel
1-1/4" NPT



← 3.72" →

Cast Iron
1-1/4" NPT



← 3.72" →

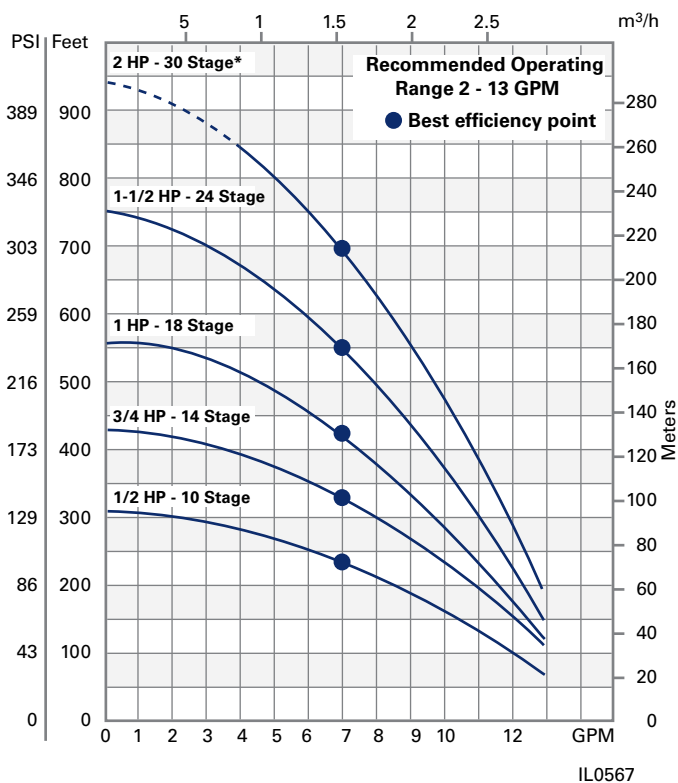


4" 7 GPM • 1/2 thru 2 HP • 3450 RPM • 60 Cycle

HP Size and Model No.	Stages	Weight		Disch. Press PSI	DEPTH TO WATER LEVEL IN FEET																												Max. Pressure	
		Motor Type	Ship Wt.		20	40	60	80	100	120	140	160	180	200	225	250	275	300	325	350	400	450	500	550	600	650	700	800	Ft.	PSI				
					CAPACITIES IN GALLONS PER MINUTE																													
1/2 HP 4F07A05 4F07S05 4F07G05	10	1 PH 3 Wire 1 PH 2 Wire	28 28	0 20 40 60 80	12.9 11.3 9.8 8.1	12.2 10.7 9.1 7.2	13.0 10.0 8.3 6.1	12.4 9.3 7.5 4.9	11.7 10.3 8.5 5.3	11.0 9.6 7.7 5.3	10.4 8.9 6.8 4.0	9.8 8.1 5.7 2.3	9.0 7.2 4.4	8.2 6.1 2.8	7.2 4.7	5.8 2.0	4.2 2.1													310	134			
3/4 HP 4F07A07 4F07S07 4F07G07	14	1 PH 3 Wire 1 PH 2 Wire	33 33	0 20 40 60 80		12.2 11.2 10.0	12.7 11.8 10.7	12.4 11.3 10.2	11.9 10.9 9.6	11.5 10.3 9.1	11.0 10.5 9.8	10.6 10.0 9.2	11.1 10.0 8.6	10.7 9.4 8.0	10.0 8.7 7.2	9.3 7.9 6.3	8.5 7.1 5.3	7.8 6.2 3.9	6.9 5.2 1.8	6.0 3.7	3.4									430	186			
1 HP 4F07A10 4F07S10 4F07G10	18	1 PH 3 Wire 1 PH 2 Wire	37 37	0 20 40 60 80			12.0 12.2 10.8 10.6	12.7 11.9 11.0 10.2	12.3 11.5 10.7 9.8	12.7 12.0 11.2 9.5	12.4 11.7 10.8 9.1	12.1 11.3 10.4 8.7	11.7 10.9 10.6 8.2	11.4 10.1 9.7 7.8	10.9 10.6 9.2 7.2	10.5 10.1 8.7 6.6	10.0 9.2 8.7 5.9	9.5 7.8 7.6 5.1	9.0 8.7 7.0 4.1	8.5 7.5 6.3 2.8	7.4 6.1 4.7 2.5	6.1 4.5 2.1	1.6							560	242			
1-1/2 HP 4F07A15 4F07S15	24	1 PH 3 Wire 1 PH 2 Wire 3 PH 3 Wire	51 51 46	0 20 40 60 80					12.8 12.2 11.6 11.0	12.6 12.0 11.4 10.7	12.3 12.1 11.7 10.5	12.1 11.8 11.2 10.2	11.8 11.3 10.9 9.9	11.6 11.3 10.6 9.6	11.5 10.9 10.2 9.2	11.2 10.5 9.6 8.9	11.2 10.5 9.2 8.5	10.8 10.2 9.5 8.1	10.5 9.8 9.1 7.6	10.1 9.5 8.7 6.2	9.4 8.7 7.9 6.2	8.7 7.9 7.0 5.0	7.8 7.0 6.0 3.5	6.9 6.0 4.8 3.3	5.9 4.7 3.2	4.6 3.1	3.9			745	322			
2 HP 4F07A20 4F07S20	30	1 PH 3 Wire 3 PH 3 Wire	61 51	0 20 40 60 80								12.7 12.3 11.8 11.3	12.5 12.1 11.6 11.1	12.3 11.9 11.4 10.6	12.5 11.9 11.1 10.6	12.3 11.6 10.9 9.8	12.0 11.3 10.6 9.5	11.8 11.1 10.3 8.5	11.5 10.8 10.5 9.2	11.3 10.7 9.7 8.5	10.7 10.2 9.1 8.5	10.2 9.6 8.4 7.2	9.6 9.1 8.8 7.2	9.0 8.4 7.1 6.4	8.3 7.7 6.3 5.5	7.7 7.0 5.5 4.4	6.9 6.2 4.4	5.2		945	409			

NOTE: Pipe friction loss in drop pipe is not included in chart above.
1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

7 GPM • 1/2 - 2 HP



* Pumps marked with asterisks not to be operated at GPM flows indicated by dotted lines.

Stainless Steel
1-1/4" NPT



← 3.72" →

Cast Iron
1-1/4" NPT



← 3.72" →



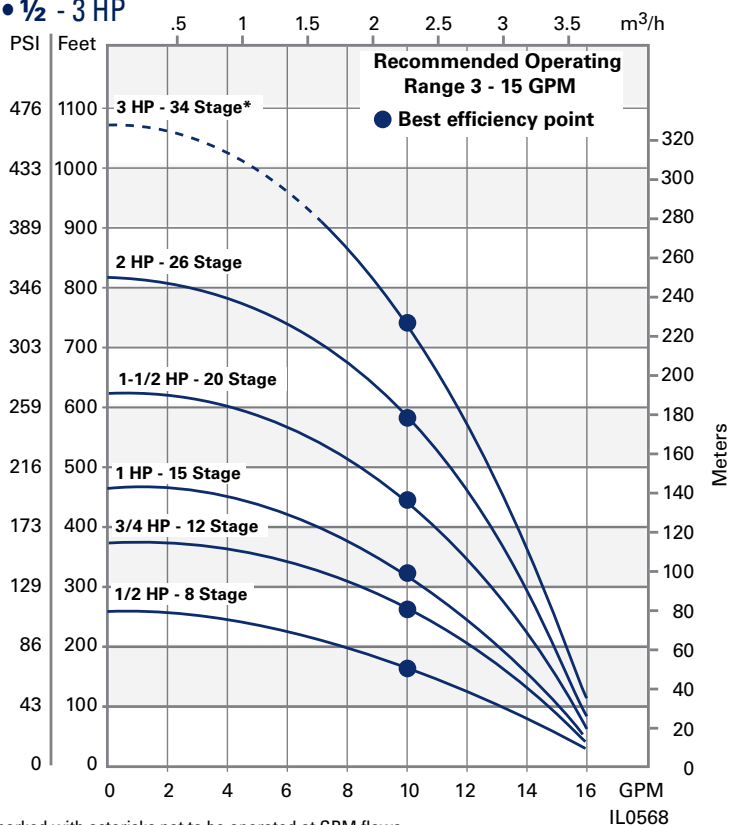
Trust runs deep.

4" 10 GPM • 1/2 thru 3 HP • 3450 RPM • 60 Cycle

HP Size and Model No.	Stage	Weight		Discharge Pressure PSI	DEPTH TO WATER LEVEL IN FEET																						Max. Press.					
		Motor Type	Ship Wt.		20	40	60	80	100	120	140	160	180	200	225	250	275	300	350	400	450	500	550	600	650	700	800	900	Ft.	PSI		
					CAPACITIES IN GALLONS PER MINUTE																											
1/2 HP 4F10A05 4F10S05 4F10G05	8	1 PH 3 Wire 1 PH 2 Wire	27 27	0 20 40 60 80	14.6 12.8 10.9 7.8	14.1 12.0 9.9 4.9	14.7 13.3 11.0 8.6 3.6	14.2 12.5 10.0 6.7	13.4 11.6 8.7 4.5	12.6 10.5 6.9	11.7 9.5 4.8	10.8 7.8	9.7 6.0	8.3 3.4	6.3	2.1													250	108		
3/4 HP 4F10A07 4F10S07 4F10G07	12	1 PH 3 Wire 1 PH 2 Wire	32 32	0 20 40 60 80	 14.3 13.2 11.9	 14.9 13.8 12.6 11.4	 14.5 13.3 12.1 10.6	 13.9 12.8 11.5 10.0	 13.4 12.4 10.9 9.3	 14.1 13.0 10.3 8.4	 13.6 12.4 9.6 7.4	 13.1 11.9 10.5 6.2	 12.5 11.4 9.6 3.8	 12.0 10.7 8.9 6.6	 11.3 9.8 7.9 3.8	 10.4 8.9 6.1	 9.7 7.4 3.5	 8.5 6.1	 5.7										375	162		
1 HP 4F10A10 4F10S10 4F10G10	15	1 PH 3 Wire 1 PH 2 Wire	36 36	0 20 40 60 80	 14.9 13.9 13.1	 14.5 13.5 12.6	 14.1 12.7 12.1	 13.7 12.7 11.7	 13.3 12.3 11.2	 12.9 11.8 10.7	 12.4 11.2 10.1	 11.9 10.9 9.7	 11.4 10.3 9.0	 12.6 12.1 8.2	 12.1 11.6 6.8	 12.0 10.9 5.3	 11.4 10.2 2.6	 10.8 9.6 4.5	 7.6 4.6	 7.4 3.8									470	203		
1-1/2 HP 4F10A15 4F10S15 4F10G15	20	1 PH 3 Wire 1 PH 2 Wire 3 PH 3 Wire	47 47 41	0 20 40 60 80	 14.7 14.1	 15.0 14.5 13.8	 14.8 14.1 13.5	 14.5 13.9 13.2	 14.9 13.6 12.9	 14.6 13.2 12.6	 15.0 14.3 12.2	 14.7 13.6 11.8	 14.4 13.4 11.4	 14.1 13.0 11.0	 13.8 12.7 10.5	 13.4 12.4 10.1	 13.0 11.5 10.5	 12.6 11.1 9.6	 12.9 10.6 9.0	 12.6 10.1 7.4	 11.8 8.8 4.9	 10.8 7.3 4.9	 9.8 4.8	 8.5 7.0 4.4	 4.8 4.1	 3.9					630	272
2 HP 4F10A20 4F10S20	26	1 PH 3 Wire 3 PH 3 Wire	62 53	0 20 40 60 80	 14.7	 15.0 14.5	 14.8 14.3	 14.6 14.1 13.8	 14.4 14.2 13.6	 14.2 13.9 13.4	 15.0 14.4 13.2	 14.7 14.0 13.0	 14.5 13.8 12.6	 14.8 13.4 12.3	 14.6 13.9 12.0	 14.2 13.7 11.7	 14.0 13.4 11.4	 13.6 13.1 10.5	 13.1 12.5 11.3	 12.4 11.8 10.5	 11.8 11.2 9.7	 11.1 10.4 9.6	 10.4 9.6	 9.5 9.6	 8.5 7.3	 7.3 2.7					815	352
3 HP 4F10A30 4F10S30	34	1 PH 3 Wire 3 PH 3 Wire	79 70	0 20 40 60 80	 15.3	 15.4 15.0	 15.2 14.8 14.8	 15.4 14.6 14.4	 15.2 14.8 14.4	 15.5 14.6 14.1	 15.3 14.4 14.0	 15.0 14.8 13.9	 14.8 14.6 13.7	 14.6 14.2 13.3	 14.4 14.1 13.0	 14.2 14.1 12.5	 14.0 13.8 13.1	 13.6 13.3 12.5	 13.4 13.1 12.1	 13.0 12.6 11.8	 12.7 12.2 11.2	 12.3 11.7 10.8	 12.1 11.3 10.6	 11.7 11.1 10.2	 11.1 10.5 9.5	 10.6 10.1 8.6	 9.3 7.6 7.5	 7.5 6.8	1070	462		

NOTE: Pipe friction loss in drop pipe is not included in chart above. 1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

10 GPM • 1/2 - 3 HP



* Pumps marked with asterisks not to be operated at GPM flows indicated by dotted lines.

Stainless Steel
1-1/4" NPT



← 3.72" →

Cast Iron
1-1/4" NPT



← 3.72" →

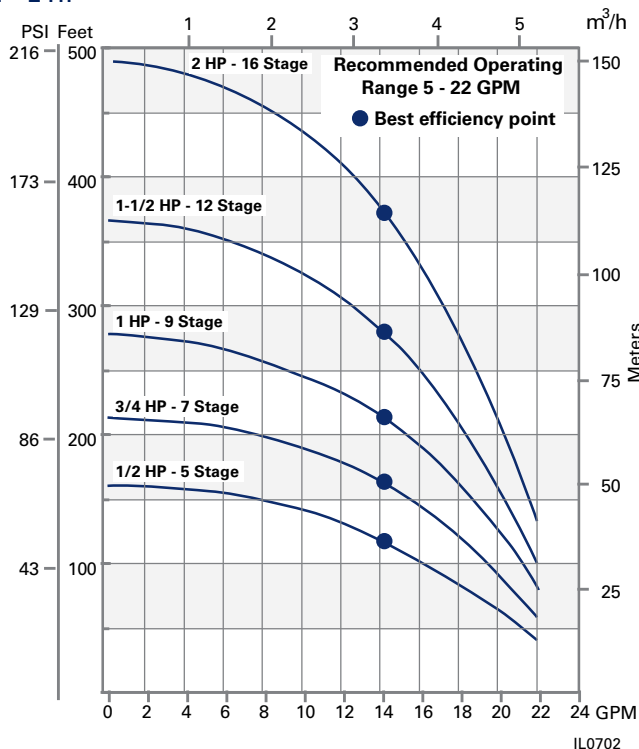


4" 15 GPM • 1/2 thru 2 HP • 3450 RPM • 60 Cycle

HP Size and Model No.	Stage	Weight		Discharge Pressure PSI	DEPTH TO WATER LEVEL IN FEET																										Max. Press.	
		Motor Type	Ship Wt.		20	40	60	80	100	120	140	160	180	200	225	250	275	300	350	400	450	500	550	600	650	700	800	900	Ft.	PSI		
					CAPACITIES IN GALLONS PER MINUTE																											
1/2 HP 4F15S05	5	1 PH	28	0			22.0	20.5	18.5	16.2	13.7	10.2																	159	69		
		3 Wire		20	19.8	17.7	15.5	12.7	8.8																							
3/4 HP 4F15S07	7	1 PH	33	0			21.9	20.9	19.5	18.0	16.4	14.6	11.8	7.8															214	93		
		3 Wire		20	21.5	20.5	19.1	17.6	15.9	13.8	11.8	5.8																				
1 HP 4F15S10	9	1 PH	36	0			21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6														279	121		
		3 Wire		20	21.4	20.4	19.2	17.7	15.1	14.3	11.9	8.8	4.2																			
1-1/2 HP 4F15S15	12	1 PH	33	0			21.8	21.2	22.0	21.4	20.7	20.0	19.1	18.3	17.2	15.9	14.5	12.7	6.4										367	159		
		3 Wire		20	21.6	21.0	20.2	19.5	18.7	17.7	16.8	15.8	14.7	13.2	10.9	7.9																
2 HP 4F15S20	16	1 PH	36	0					21.7	21.2	20.7	20.2	19.5	18.9	18.1	17.2	16.3	15.4	13.8	9.2	8.9	8.5							489	212		
		3 Wire		20					20.6	20.0	19.3	18.8	18.1	17.4	16.5	15.6	14.5	13.1	9.7													
		1 PH	36	0					19.2	18.5	17.9	17.2	16.5	15.8	14.8	13.2	11.7	9.7														
		2 Wire	36	60					17.6	17.0	16.2	15.5	14.6	13.6	11.9	9.9	7.5															
		2 Wire	80	80																												

NOTE: Pipe friction loss in drop pipe is not included in chart above. 1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

15 GPM • 1/2 - 2 HP



* Pumps marked with asterisks not to be operated at GPM flows indicated by the dotted line.

Stainless Steel
1-1/4" NPT



← 3.72" →

Cast Iron
1-1/4" NPT



← 3.72" →



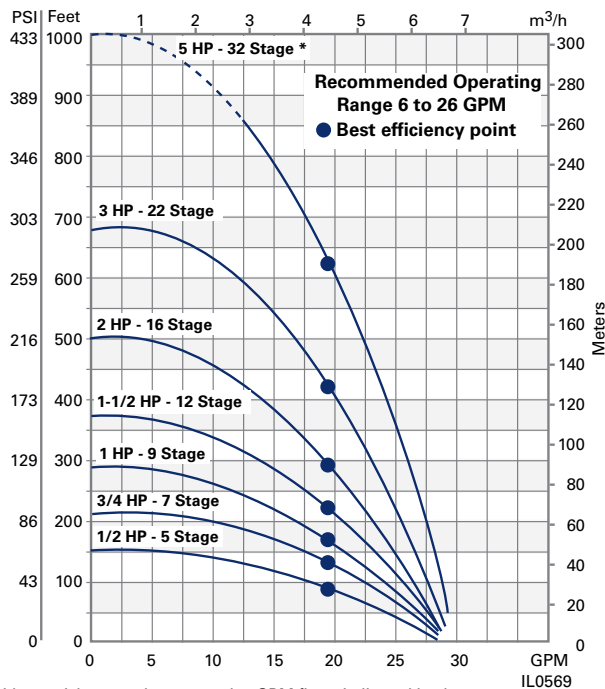
Trust runs deep.

4" 19 GPM • 1/2 thru 5 HP • 3450 RPM • 60 Cycle

HP Size and Model No.	Stg.	Weight		Disch. Press. PSI	DEPTH TO WATER LEVEL IN FEET																												Max. Pressure	
		Motor Type	Ship Wt.		20	40	60	80	100	120	140	160	180	200	225	250	275	300	325	350	400	450	500	550	600	650	700	800	Ft.	PSI				
					CAPACITIES IN GALLONS PER MINUTE																													
1/2 HP 4F19A05 4F19S05	5	1 PH 3 Wire	28	0	22.0	24.6	22.7	20.5	17.9	15.0	10.4																			155	67			
		1 PH 2 Wire	28	20	16.0	19.8	17.1	14.0	5.9																									
3/4 HP 4F19A07 4F19S07	7	1 PH 3 Wire	33	0	24.4	22.9	21.4	19.5	17.5	15.3	12.4	16.0	13.3	9.6																215	93			
		1 PH 2 Wire	33	20	20.6	18.7	16.6	14.3	11.0			8.6																						
				40	16.2	13.6	10.2																											
1 HP 4F19A10 4F19S10 4F19G10	9	1 PH 3 Wire	36	0	25.2	24.0	22.9	21.7	20.4	19.0	17.4	19.4	17.8	16.2	13.7	10.7	5.0													283	122			
		1 PH 2 Wire	36	20	22.5	21.2	19.8	18.4	16.8	15.2	12.8	15.6	13.7	11.4	6.2																			
				40	19.5	17.9	16.4	14.5	12.2	9.6	3.5	10.4	5.6																					
				60	15.7	13.7	11.5	8.0																										
1-1/2 HP 4F19A15 4F19S15 4F19G15	12	1 PH 3 Wire	43	0		25.2	24.4	23.5	22.7	21.7	20.7	22.0	21.1	20.1	18.9	17.5	15.1	14.3	11.8	8.7										375	163			
		1 PH 2 Wire	43	20	24.2	23.3	22.4	21.4	20.5	19.5	18.5	17.4	16.3	14.9	12.7	9.7	5.7																	
		2 PH 3 Wire	39	40	22.1	21.1	20.2	19.2	18.2	17.1	15.8	14.4	12.7	10.4	6.3																			
				60	19.9	18.8	17.8	16.7	15.4	13.7	11.9	9.2																						
2 HP 4F19A20 4F19S20	16	1 PH 3 Wire	59	0		25.5	24.9	24.3	23.7	23.0	22.4	23.8	23.2	22.5	21.8	20.9	20.0	19.0	18.0	16.8	14.2	10.5	3.3							500	217			
		3 PH 3 Wire	49	20	25.3	24.6	24.1	23.5	22.8	22.2	21.5	20.8	20.1	19.3	18.3	17.2	15.9	14.6	12.9	11.0	5.3													
				40	23.9	23.3	22.7	22.0	21.3	20.6	19.8	19.1	18.3	17.4	16.3	14.8	13.2	11.3	9.2	6.2														
				60	22.4	21.8	21.1	20.3	19.6	18.9	18.1	17.2	16.2	15.1	13.5	11.6	9.5	6.7																
3 HP 4F19A30 4F19S30	22	1 PH 3 Wire	75	0			26.0	25.6	25.2	24.7	24.3	23.8	23.3	22.8	22.2	21.5	20.9	20.3	19.6	18.2	16.6	14.7	12.2	8.7						685	298			
		3 PH 3 Wire	75	20	25.3	24.8	24.3	23.9	23.5	23.0	22.5	22.1	21.5	21.0	20.5	19.8	19.2	18.3	17.6	16.8	14.8	12.5	9.3											
				40	24.2	23.9	23.3	22.8	22.3	21.9	21.4	20.9	20.3	19.8	19.2	18.4	17.7	16.9	16.0	14.9	12.7	9.5	3.3											
5 HP 4F19A50 4F19S50	32	1 PH 3 Wire	117	0					25.9	25.6	25.3	25.0	24.7	24.4	24.1	23.7	23.3	22.8	22.4	21.9	21.2	20.3	19.3	18.3	17.2	15.9	14.5	12.8		1000	435			
		3 PH 3 Wire	80	20		26.0	25.8	25.5	25.2	24.8	24.5	24.2	23.8	23.5	23.2	22.8	22.5	22.2	21.7	21.3	20.8	20.4	19.4	18.4	17.3	16.2	14.7	12.9	11.2					

NOTE: Pipe friction loss in drop pipe is not included in chart above.
1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

19 GPM • 1/2 - 5 HP



* Pumps marked with asterisks not to be operated at GPM flows indicated by the dotted line.

Stainless Steel
1-1/4" NPT



3.72"

Cast Iron
1-1/4" NPT



3.72"



4" 27 GPM • 3/4 thru 5 HP • 3450 RPM • 60 Cycle

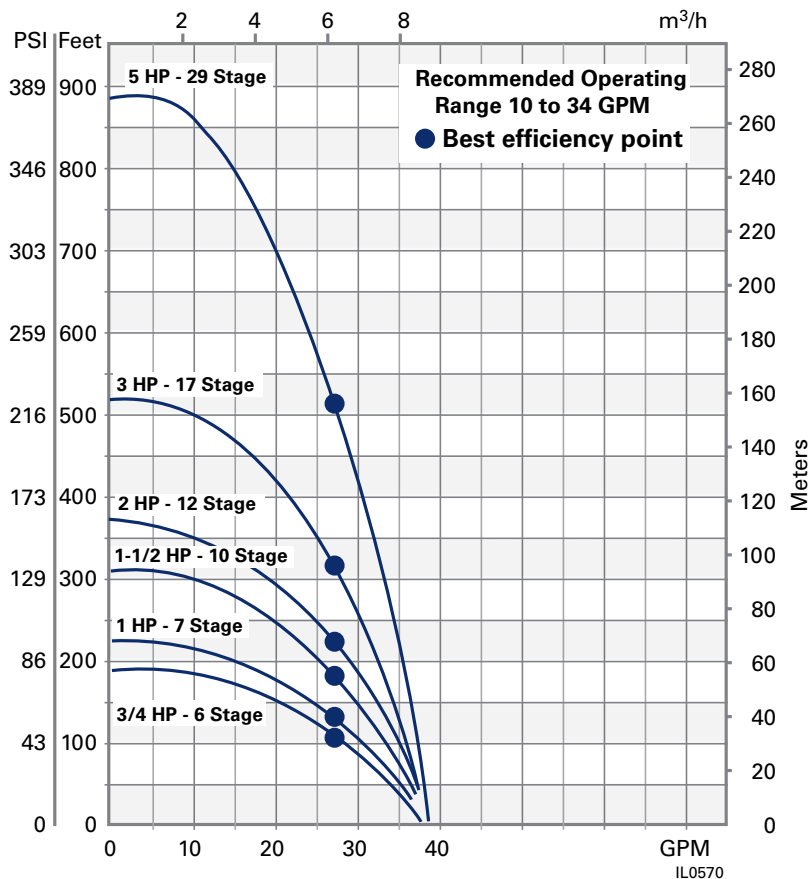
HP Size And Model No.	Stages	WEIGHT		Disch. Press. PSI	DEPTH TO WATER LEVEL IN FEET																										Max. Pressure	
		Motor Type	Shp. Weight		20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	350	400	450	500	550	600	650	700	750	800	Ft.	PSI	
					CAPACITIES IN GALLONS PER MINUTE																											
3/4 HP 4F27A07 4F27S07	6	1 PH 3 Wire 1 PH 2 Wire	33 33	0 20 40 60	32 29 25 17	26 22 18 9	32 23 18 12	30 23 20 15	27 20 15 10	24 17 10 5	22 10 5 10	18 13 10 10	13 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	180	78			
1 HP 4F27A10 4F27S10 4F27G10	7	1 PH 3 Wire 1 PH 2 Wire	35 35	0 20 40 60	33 31 28 22	29 25 23 18	34 26 19 13	32 26 19 15	30 24 20 15	27 20 15 5	24 17 10 5	22 10 5 10	18 13 10 10	13 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	215	93			
1-1/2 HP 4F27A15 4F27S15 4F27G15	10	1 PH 3 Wire 1 PH 2 Wire 3 PH 3 Wire	43 43 38	0 20 40 60	 33 31 28	 32 30 28 24	34 30 27 22	33 29 25 20	31 27 23 18	29 25 21 15	28 24 19 8	26 22 16 11	24 19 11 11	22 17 13 13	20 13 8 8	17 14 10 10	14 6 10 10	6 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	10 10 10 10	305	132			
2 HP 4F27A20 4F27S20	12	1 PH 3 Wire 3 PH 3 Wire	44 46	0 20 40 60	 31 28	 34 33 30	34 33 26	33 30 25	32 29 23	31 27 21	30 27 19	28 26 16	27 22 19	25 20 13	23 18 8	21 15 10	18 10 10	9 10 10	10 10 10	10 10 10	10 10 10	10 10 10	10 10 10	10 10 10	10 10 10	10 10 10	10 10 10	10 10 10	360	156		
3 HP* 4F27A30 4F27S30	17	1 PH 3 Wire 3 PH 3 Wire	73 73	0 20 40 60	 32 30	 33 31	 34 30	 34 33	34 33 30	33 32 29	33 32 28	33 32 26	32 30 25	31 29 24	29 27 22	28 26 21	27 25 19	24 23 17	21 21 17	18 17 12	16 10 10	9 10 10	10 10 10	10 10 10	10 10 10	10 10 10	10 10 10	10 10 10	515	223		
5 HP* 4F27A50 4F27S50	29	1 PH 3 Wire 3 PH 3 Wire	116 80	0 20 40 60	 32 30	 33 31	 34 30	 34 33	34 33 30	33 32 28	33 32 26	33 32 21	33 32 16	33 32 11	33 32 8	32 31 29	31 30 24	30 29 22	29 27 17	27 26 12	26 24 21	24 22 21	22 20 18	20 18 16	18 16 12	15 12 12	880	380				

NOTE: Pipe friction loss in drop pipe is not included in chart above.

*For 3 HP and above, refer to motor manufacturer's handbook for proper flow rates to cool motor.

1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

27 GPM • 3/4 - 5 HP



Stainless Steel
1-1/4" NPT

Cast Iron
1-1/4" NPT



← 3.72" →

← 3.72" →



Trust runs deep.

4" 35 GPM • 1 thru 7 1/2 HP • 3450 RPM • 60 Cycle

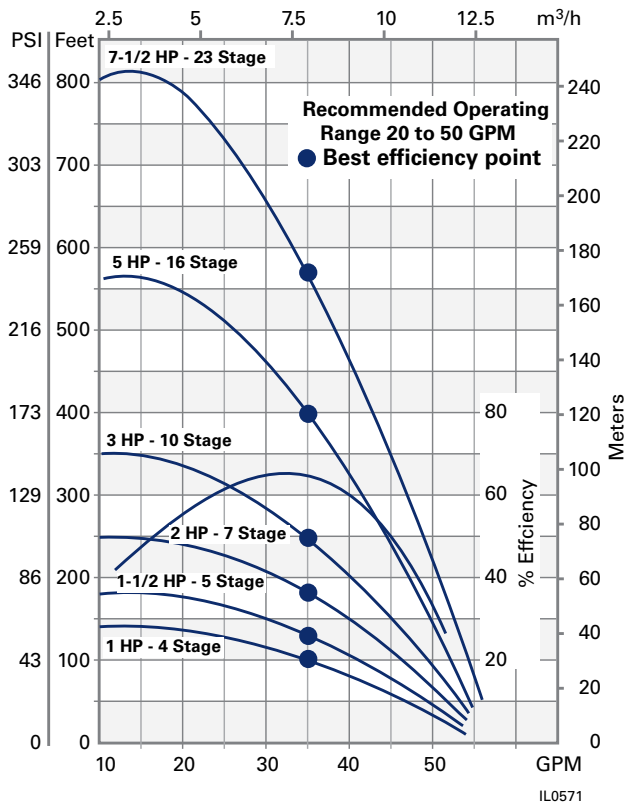
HP Size And Model No.	Stages	Phase	WEIGHT		Disch. Press. PSI	DEPTH TO WATER LEVEL IN FEET																								Max. Pressure	
			Pump End	Motor End		20	40	60	80	100	120	140	160	180	200	220	240	260	300	350	400	450	500	550	600	650	700	Ft.	PSI		
						CAPACITIES IN GALLONS PER MINUTE																									
1 HP 4F35A10 4F35S10	4	1	11	23	0 20 40 60	42 30	47 37 22	43 32	38 25	33 27																	140	67			
1-1/2 HP 4F35A15 4F35S15	5	1 3	12 12	28 25	0 20 40 60	46 38 26	43 33 15	47 39 28	43 35 30	40 36 23	31 25	25 10															180	78			
2 HP 4F35A20 4F35S20	7	1 3	14 14	30 28	0 20 40 60		47 41 34	50 45 38 31	48 42 35 26	45 39 32 19	43 36 28	40 33 22	37 29	34 24	30 26	26 19											245	106			
3 HP* 4F35A30 4F35S30	10	1 3	17 17	52 43	0 20 40 60			48 45 40	47 43 36	45 41 34	44 39 31	42 37 28	40 35 25	38 33 20	36 30 22	33 27 17	28 18	17									355	154			
5 HP* 4F35A50 4F35S50	16	1 3	23 23	69 53	0 20 40 60					50 49 47	49 48 44	48 47 43	47 46 45	46 44 42	45 41 38	44 40 37	43 39 32	42 36 28	39 36 22	35 27 21	31 27 21	26 21	20				560	245			
7-1/2 HP* 4F35A75 4F35S75	23	3	31	69	0 20 40 60							50 49 49 49	49 48 47 46	48 47 46	47 44 42	46 43 39	45 41 36	44 39 34	43 38 31	40 36 28	38 34 25	36 33 20	33 31 20	31 28 20	28 24 20	810	350				

NOTE: Pipe friction loss in drop pipe is not included in chart above.

*For 3 HP and above, refer to motor manufacturer's handbook for proper flow rates to cool motor.

1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

35 GPM • 1 - 7 1/2 HP



Stainless Steel
2" NPT

Cast Iron
2" NPT



← 3.72" →

← 3.72" →



4" 55 GPM • 1 1/2 thru 7 1/2 HP • 3450 RPM • 60 Cycle

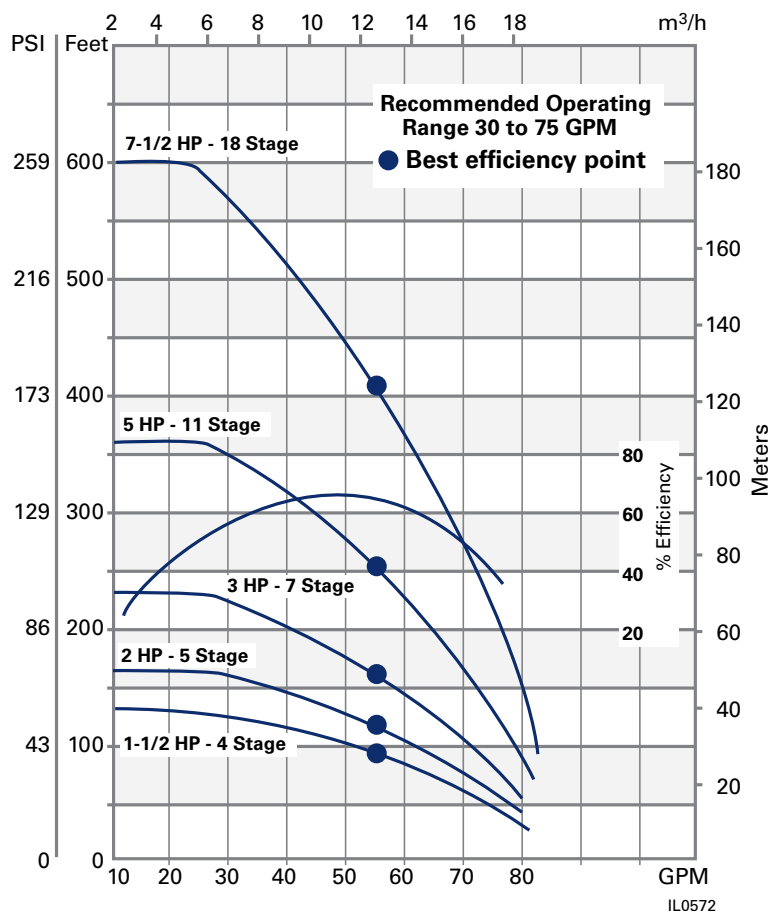
HP Size and Model No.	Stages	Phase	Weight		Discharge Pressure PSI	DEPTH TO WATER LEVEL IN FEET																		Maximum Pressure			
			Pump End	Motor End		20	40	60	80	100	120	140	160	180	200	220	240	260	300	350	400	450	500	550	Ft.	PSI	
						CAPACITIES IN GALLONS PER MINUTE																					
1-1/2 HP 4F55A15 4F55S15	4	1 3	12	28	0 20 40 60	70 42	60 23	71 47	62 33	50	36													135	58		
			12	25																							
2 HP 4F55A20 4F55S20	5	1 3	14	30	0 20 40 60	74 56 30	68 45	75 59 34	69 50	61 38	51 15	42	29											165	71		
			14	28																							
3 HP* 4F55A30 4F55S30	7	1 3	16	52	0 20 40 60		75 63 48	70 57 40	75 65 32	71 59 43	66 53 34	61 46 15	55 38	47 28	39	31									235	101	
			16	43																							
5 HP* 4F55A50 4F55S50	11	1 3	19	69	0 20 40 60					73 66 58	70 63 53	74 67 49	71 64 44	68 60 39	64 56 33	61 52 25	57 47 35	53 42 30	44 31	30						365	158
			19	53					72 65	69 62																	
7-1/2 HP* 4F55A75 4F55S75	18	3	28	69	0 20 40 60						75 71	73 70	75 72 68	74 70 66	72 68 63	74 71 61	73 69 59	71 67 57	66 62 57	62 56 50	56 42 35	49 42 35	41 34 24	33 20	600	259	
												72															

NOTE: Pipe friction loss in drop pipe is not included in chart above.

**For 3 HP and above, refer to motor manufacturer's handbook for proper flow rates to cool motor.

1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

55 GPM • 1 1/2 - 7 1/2 HP



Stainless Steel
2" NPT



← 3.72" →

Cast Iron
2" NPT



← 3.72" →



Trust runs deep.

4" 85 GPM • 2 thru 7 1/2 HP • 3450 RPM • 60 Cycle

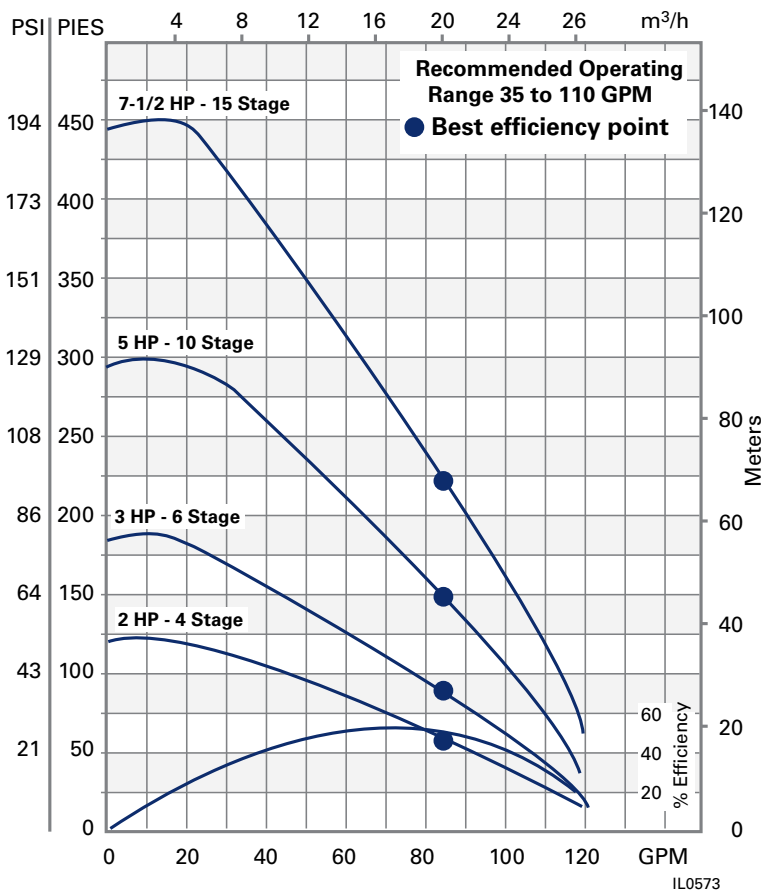
HP Size and Model No.	Stages	Phase	Weight		Discharge Pressure PSI	DEPTH TO WATER LEVEL IN FEET																				Max. Pressure	
			Pump End	Motor End		20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	Ft.	PSI
						CAPACITIES IN GALLONS PER MINUTE																					
2 HP 4F85A20 4F85S20	4	1	13	30	0	80 35	105 60	85 40	64	45																120	52
		3	13	28	40 60																						
3 HP* 4F85A30 4F85S30	6	1	15	52	0	101 70 40	88 56 25	103 75 43	91 61 30	77 48	63 34	51	38													185	80
		3	15	43	40 60																						
5 HP* 4F85A50 4F85S50	10	1	20	69	0	100 81	108 91 73	102 83 65	110 94 57	103 86 49	95 78 41	87 70 33	79 62 20	71 54 36	63 46 25	55 38	48 30	40	32							300	130
		3	20	53	40 60																						
7-1/2 HP* 4F85A75 4F85S75	15	3	27	69	0	103	109 97	104 92	110 99	106 94	101 88	95 83	90 77	85 72	79 66	74 61	68 56	63 50	57 45	52 40	47 34	41 27	38 30	38	450	195	
					60																						

NOTE: Pipe friction loss in drop pipe is not included in chart above.

**For 3 HP and above, refer to motor manufacturer's handbook for proper flow rates to cool motor.

1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

85 GPM • 2 - 7 1/2 HP



Stainless Steel
2" NPT



← 3.72" →

Cast Iron
2" NPT



← 3.72" →



Model Number Code

5 thru 27 GPM

4 F 10 A 05 - 30 1

4-inch minimum well diameter _____

Series _____

GPM _____

Material Construction _____

S - SS Castings, SS Shell

A - Cast Iron Castings, SS Shell

Motor HP Size _____

Lead Type

1 – 3-wire

5 – 2-wire

Motor Voltage and Phase

00 – 115 V 1 Ph

30 – 230 V 1 Ph

1/2 - 1-1/2 HP Single phase pump and motor assembly includes pump/motor unit with motor leads.

Order control box for 3-wire units separately.

On 2 - 7-1/2 HP and all 3 phase units, order pump, motor and control box separately. Magnetic starters must be purchased locally.

Lead wire assembly included with motor.

1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

35, 55 & 85 GPM

4 F 35 A 20

4-inch minimum well diameter _____

Series _____

GPM _____

Material Construction _____

S - SS Castings, SS Shell

A - Cast Iron Castings, SS Shell

Motor H.P. Size _____

On 35, 55 & 85 GPM units order pump, motor and control box separately. Magnetic starters must be purchased locally.

Lead wire assembly included with motor.

HP	Voltage & Phase	Motor Type	F&W Motor Thrust Rating	F&W Motor Order No.	F&W Control Box Order Number	Motor Order Number	Control Box Order Number
1/2	115V/1PH	3-Wire	700#	137426	022875	M137426	127185
	230V/1PH	3-Wire	700#	137428	022876	M137428	127189
3/4	115V/1PH	2-Wire	700#	137412	N/A	M137412	N/A
	230V/1PH	2-Wire	700#	137414	N/A	M137414	N/A
1	230V/1PH	3-Wire	700#	137430	022877	M137430	127197
	230V/1PH	2-Wire	700#	137416	N/A	M137416	N/A
1-1/2	230V/1PH	3-Wire	700#	137432	022878	M137432	126319
	230V/1PH	2-Wire	700#	137418	N/A	M137418	N/A
2	230V/1PH	3-Wire	700#	137434	022879	M137434	133589
	230V/1PH	2-Wire	700#	137420	N/A	M137420	N/A
3	200V/3PH	3-Wire	--	N/A	N/A	M137457	N/A
	230V/3PH	3-Wire	--	N/A	N/A	M137458	N/A
4	460V/3PH	3-Wire	--	N/A	N/A	M137460	N/A
	230V/1PH	3-Wire	700#	137435	022880	M137435	137224+ 126321++
5	200V/3PH	3-Wire	--	N/A	N/A	M137461	N/A
	230V/3PH	3-Wire	--	N/A	N/A	M137462	N/A
6	460V/3PH	3-Wire	--	N/A	N/A	M137464	N/A

HP	Voltage & Phase	Motor Type	F&W Motor Thrust Rating	F&W Motor Order No.	F&W Control Box Order Number	Motor Order Number	Control Box Order Number
3	230V/1PH	3-Wire	--	N/A	N/A	M139422	136800+ 126322++
	200V/3PH	3-Wire	--	N/A	N/A	M139423	N/A
4	230V/3PH	3-Wire	--	N/A	N/A	M139424	N/A
	460V/3PH	3-Wire	--	N/A	N/A	M139425	N/A
5	230V/1PH	3-Wire	--	N/A	N/A	M137456	135269+ 137225++
	200V/3PH	3-Wire	--	N/A	N/A	M137469	N/A
6	230V/3PH	3-Wire	--	N/A	N/A	M137470	N/A
	460V/3PH	3-Wire	--	N/A	N/A	M137472	N/A
7-1/2	200V/3PH	3-Wire	--	N/A	N/A	M137473	N/A
	230V/3PH	3-Wire	--	N/A	N/A	M137474	N/A
8	460V/3PH	3-Wire	--	N/A	N/A	M137476	N/A

N/A Not available

+ Deluxe control box – includes magnetic contactor. Recommended for water systems which utilize pressure switch.

++ Standard control box.

