

# 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, cable guard, motor and motor lead wire assembly
- Stainless steel motors with lightning protection - (F&W available up to 2 HP)



**S SERIES, A SERIES AND G SERIES  
SUBMERSIBLES**



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

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

S Series —  
4" Deepset  
Pumps

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

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

5, 7, 10, 19 & 27 GPM - 'S' Series DEEPSET

For total head of 1500 ft. or less / 2, 3, 5, & 7-1/2 HP



# Material Construction - S Series and A Series



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.			

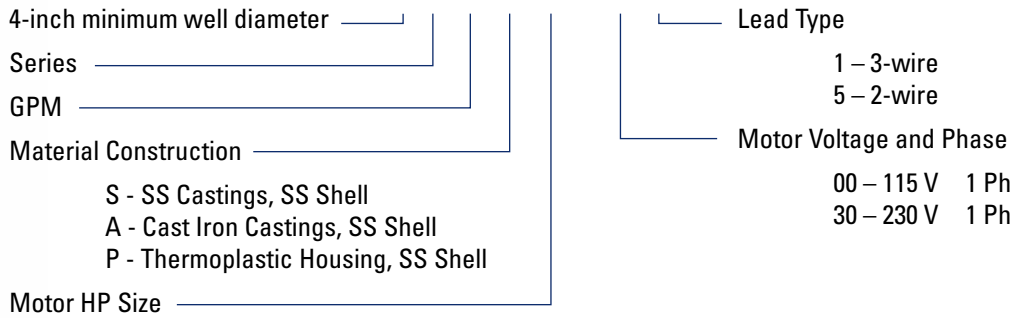
\* Replacement cartridge assembly available for select models. Includes all necessary parts to restore pumps to like-new performance. No special tools required. Noryl® is a registered trademark of General Electric.

# Model Number Code



## 5 thru 85 GPM

**4 F 10 A 05 - 30 1**

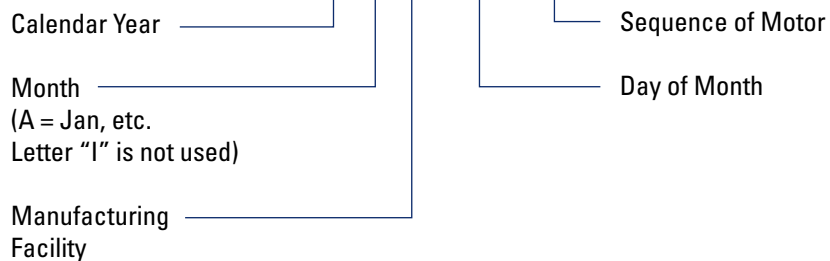


1/2 - 2 HP Single phase pump and motor assembly includes pump/motor unit with motor leads.  
 Order control box for 3-wire units separately.  
 On 2 - 7-1/2 HP and all 3 phase units, order pump, motor and control box separately. Magnetic starters must be purchased locally. Lead wire assembly included with motor.  
 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.  
 1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.

## F&W Date Code Explanation



**21 A K - 01 - 001**



### DOE Compliance

PUMP MODEL	Impeller Dia.	P.E.I..CL
4F35	3.072"	0.89
4F55	3.075"	0.93
4F85	3.070"	0.99



# Deep Set Submersible Pumps - For Extreme Deepwell Applications

- 1-1/4" NPT stainless steel discharge and NEMA faced mounting ring
- Integral removable check valve with elastomer sealing ring
- Stainless steel pump shell, cable guard & suction screen
- Steel intermediate connector
- Thermoplastic impellers and diffusers
- Stainless steel hex drive shaft and coupling
- Selection of stainless steel motors - high thrust motors required on all deep set submersible pump ends

**5, 7, 10, 19 & 27 GPM**

**For total head of 1500 ft. or less**

**2, 3, 5, & 7-1/2 HP**



**MADE IN THE USA**  
USING A MAJORITY OF U.S. CONTENT

**S SERIES 4"**  
**DEESET PUMPS**



## MODEL SPECIFICATIONS

Pump End Model Number	Motor Required		Number of Stages	Max. Head Ft.	Max. Head PSI	Flow Range GPM*	Overall Pump Length
	HP	Thrust Rating					
4F05S20	2	1500#	42	1108	480	2-9	43.7
4F05S30	3	900#	60	1593	690	2-9	57.8
4F07S30	3	900#	42	1293	560	2-13	43.7
4F10S50	5	1500#	52	1605	695	3-15	56.7
4F19S75	7-1/2	1500#	46	1420	615	6-26	55.4
4F27S75	7-1/2	1500#	42	1282	555	10-34	53.2

For motor lengths, call 1-800-742-5044.

\*Refer to motor manufacturer's handbook for proper flow rates to cool motor based on well size.

Component Description	Deepset 'S' Series 5, 7, 10, 19 & 27 GPM 2 through 7-1/2 HP
Discharge Head	NEMA standard, stainless steel, 1-1/4 in NPT, safety rope eyelet included
Check Valve Poppet	Internal removable, with elastomer sealing ring
Top Bearing	Closed sintered lead free sleeve bearing
Intermediate Connector	Rigid Steel
Pump Shell	Heavy wall stainless steel
Cable Guard	Stainless Steel
Staging*	Noryl® impellers and diffusers; stainless steel floating bearing inserts and acetel diffuser plates
Pump Shaft*	304L Stainless steel hex shaft with one piece motor-to-shaft coupling
Motor Bracket	NEMA standard, stainless steel with stainless steel suction screen
Motor	Selection of stainless steel motors - high thrust motors required on all deep set submersible pump ends. Order motors separately.
Motor Controls	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.

External line check valve (1-1/4" or larger) required every 100 feet of vertical drop pipe. 900# or 1500# thrust motors required on all deep set submersible pump ends.

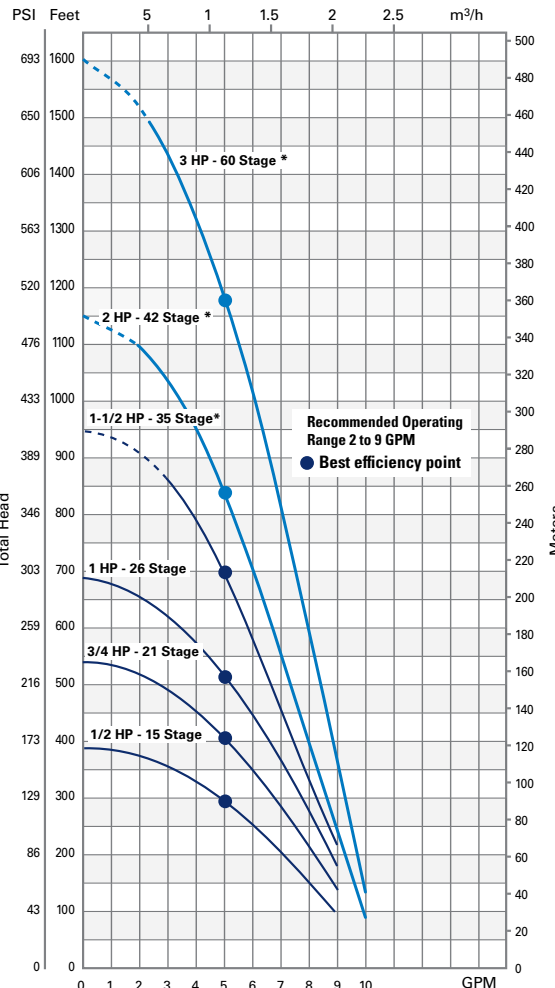


# 4" 5 GPM • 1/2 thru 3 HP • 3450 RPM • 60 Cycle

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				8.9	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	7.5	7.1	6.7	6.3	5.9	5.4	4.9	4.2	3.5	2.4																
				60	7.5	7.1	6.7	6.2	5.8	5.3	4.8	4.2	3.6	2.7																		
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	4.9	4.4	4.2	2.9							550	238	
				20																												
				40		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										
				60	8.2	7.9	7.7	7.4	7.1	6.8	6.5	6.2	5.8	5.4	4.9	4.5	4.0	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					9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.5	7.2	6.9	6.7	6.3	6.0	5.4	4.6	3.7	2.5							
				60	8.5	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.7	6.4	6.1	5.8	5.5	5.1	4.7	3.9	3.2	2.7										
1-1/2 HP 4F05A15 4F05S15	35	1 PH 3 Wire	55	0																									950	411		
				20																												
				40						9.0	8.8	8.7	8.5	8.4	8.2	8.0	7.9	7.7	7.5	7.3	7.0	6.8	6.4	6.0	5.5	5.1	4.6	4.1			3.5	
				60					8.8	8.6	8.5	8.4	8.2	8.0	7.9	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.0	5.6	5.1	4.7	4.1	3.5				

HP Size and Model No.	Stages	Weight		Disch. Pressure PSI	DEEPSET - DEPTH TO WATER LEVEL IN FEET																Max. Pressure											
		Motor Type	Ship Wt.		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600	Ft.	PSI		
					CAPACITIES IN GALLONS PER MINUTE																											
2 HP 4F05S20	42	1 PH 3 Wire	30	0						8.9	8.6	8.3	8.0	7.7	7.3	7.0	6.7	6.4	6.0	5.7	5.3	4.4	3.4	1.9					1593	168		
				20																												
				40																												
				60	9.0	8.7	8.4	8.1	7.8	7.4	7.1	6.8	6.4	6.1	5.7	5.4	5.0	4.5	4.1	2.9	2.2											
3 HP 4F05S30	60	1 PH 3 Wire	38	0																									1593	168		
				20																												
				40																												
				60																												



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.

Stainless Steel  
1-1/4" NPT

Cast Iron  
1-1/4" NPT



← 3.72" →

← 3.72" →

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

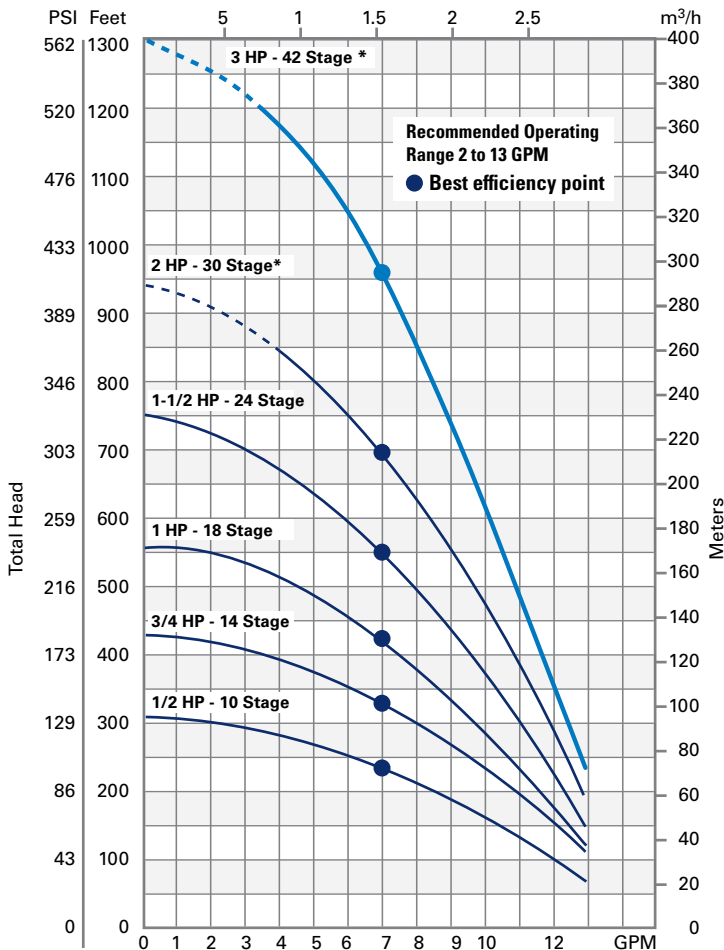


# 4" 7 GPM • 1/2 thru 3 HP • 3450 RPM • 60 Cycle

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	28	0	12.9	12.2	11.6	10.9	10.3	9.6	8.9	8.1	7.2	6.1	4.7	2.0																			310	134
			28	20	11.3	10.7	10.0	9.3	8.5	7.7	6.8	5.7	4.4	2.8																						
		1 PH 2 Wire	28	40	9.8	9.1	8.3	7.5	6.5	5.3	4.0	2.3																								
			28	60	8.1	7.2	6.1	4.9	3.5																											
3/4 HP 4F07A07 4F07S07 4F07G07	14	1 PH 3 Wire	33	0					12.9	12.5	12.0	11.6	11.1	10.7	10.0	9.3	8.5	7.8	6.9	6.0	3.4											430	186			
			33	20	12.2	11.8	11.3	10.9	10.3	9.6	9.1	8.5	7.9	7.2	6.5	5.5	4.2	2.3																		
		1 PH 2 Wire	33	40	11.0	10.7	10.2	9.6	9.1	8.5	7.9	7.2	6.5	5.5	4.2	2.7																				
			33	60	10.0	9.5	8.9	8.2	7.7	6.9	6.3	5.4	4.4	2.7																						
1 HP 4F07A10 4F07S10 4F07G10	18	1 PH 3 Wire	37	0					12.9	12.4	12.1	11.7	11.4	10.9	10.5	10.0	9.5	9.0	8.5	7.4	6.1	4.5	1.6							560	242					
			37	20	12.2	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.2	8.7	8.1	7.6	7.0	6.3	4.7	2.1																
		1 PH 2 Wire	37	40	10.8	11.0	10.7	10.3	9.9	9.6	9.2	8.8	8.3	7.7	7.1	6.5	5.8	4.9	2.5																	
			37	60	10.6	10.2	9.8	9.5	9.1	8.7	8.2	7.8	7.2	6.6	5.9	5.1	4.1																			
1-1/2 HP 4F07A15 4F07S15	24	1 PH 3 Wire	51	0					12.9	12.7	12.4	12.1	11.8	11.5	11.2	10.9	10.6	10.1	9.7	9.2	8.7	8.1	7.6	7.0	6.3	4.7	2.1							745	322	
			51	20	12.2	12.0	11.7	11.5	11.2	10.9	10.6	10.2	9.9	9.6	9.2	8.9	8.5	8.1	7.6	7.2																
		1 PH 2 Wire	51	40	11.6	11.4	11.1	10.8	10.5	10.3	9.9	9.6	9.2	8.8	8.4	8.0	7.1	6.1	5.0																	
			51	60	11.0	10.7	10.5	10.2	9.9	9.6	9.2	8.9	8.5	8.1	7.6	7.2																				
2 HP 4F07A20 4F07S20	30	1 PH 3 Wire	61	0					13.0	12.8	12.5	12.3	12.0	11.8	11.5	11.3	11.1	10.8	10.7	10.2	9.6	9.0	8.3	7.7	6.9	5.9	4.6	3.9			945	409				
			61	20	12.7	12.5	12.3	12.1	11.9	11.6	11.3	11.1	10.8	10.5	10.2	9.9	9.7	9.1	8.4	7.7	7.0	6.3	5.3													
		3 PH 3 Wire	61	40	11.8	11.6	11.4	11.1	10.9	10.6	10.3	10.0	9.7	9.1	8.5	7.8	7.1	6.3	5.5	4.4																
			61	60	11.3	11.1	10.9	10.6	10.3	10.1																										

HP Size and Model No.	Stages	Weight		Disch. Press PSI	DEEPSET - DEPTH TO WATER LEVEL IN FEET																												Max. Press.	
		Motor Type	Ship Wt.		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600	Ft.	PSI				
					CAPACITIES IN GALLONS PER MINUTE																													
3 HP 4F07S30	42	1 PH 3 Wire	30	0					12.9	12.5	12.1	11.8	11.4	11.0	10.6	10.2	9.9	9.5	9.0	8.6	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.7	4.2			1293	560	
			30	20	12.9	12.5	12.1	11.8	11.4	11.0	10.6	10.2	9.9	9.5	9.0	8.6	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.7	4.2	3.7	3.2	2.7	2.2					
		3 PH 3 Wire	30	40	12.8	12.5	12.1	11.7	11.3	10.9	10.6	10.2	9.8	9.4	9.0	8.6	8.1	7.7	7.2	6.6	6.4	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.3					
			30	60	12.8	12.5	12.1	11.7	11.3	10.9	10.6	10.2	9.8	9.4	9.0	8.6	8.1	7.7	7.2	6.6	6.4	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.3					



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.



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

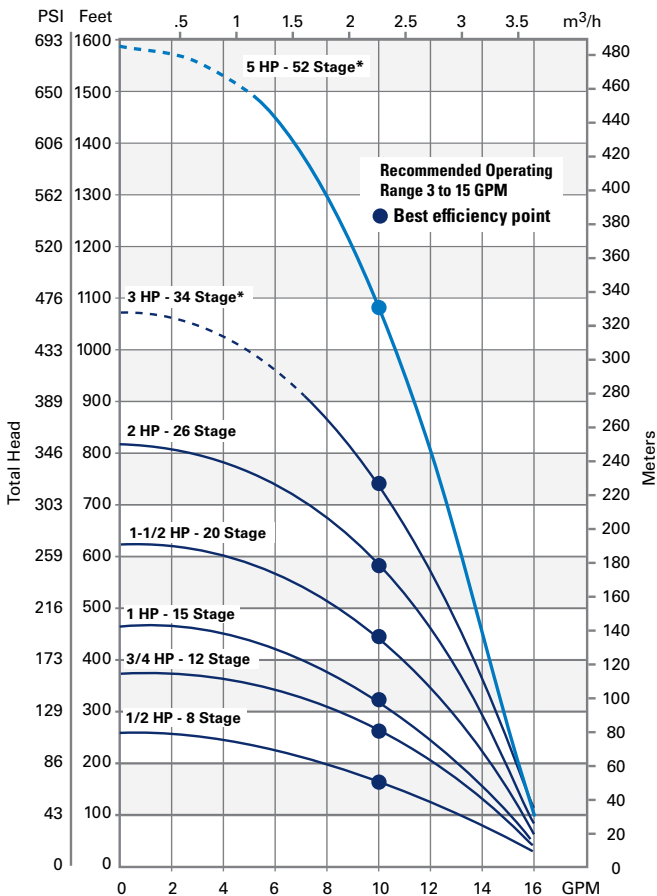


# 4" 10 GPM • 1/2 thru 5 HP • 3450 RPM • 60 Cycle

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	27	0																						250	108			
		3 Wire		20	14.6	14.1	13.3	12.5	11.6	10.5	9.5	7.8	6.0	8.3	6.3	2.1														
		1 PH		40	12.8	12.0	11.0	10.0	8.7	4.5																				
		2 Wire		60	10.9	9.9	8.6	6.7																						
3/4 HP 4F10A07 4F10S07 4F10G07	12	1 PH	32	0																						375	162			
		3 Wire		20																										
		1 PH		40	14.3	13.8	13.3	12.8	12.4	11.4	11.0	10.5	9.6	8.9	7.9	6.1	3.5													
		2 Wire		60	13.2	12.6	12.1	11.5	10.9	10.3	9.6	8.7	7.7	6.6	3.8															
1 HP 4F10A10 4F10S10 4F10G10	15	1 PH	36	0																						470	203			
		3 Wire		20																										
		1 PH		40	14.9	14.5	14.1	13.7	13.3	12.9	12.4	11.9	11.4	10.9	10.3	9.5	8.6	7.9	4.5											
		2 Wire		60	13.9	13.5	12.7	12.7	12.3	11.8	11.2	10.9	10.3	9.7	8.9	7.8	6.6	5.0												
1-1/2 HP 4F10A15 4F10S15 4F10G15	20	1 PH	47	0																						630	272			
		3 Wire		20																										
		1 PH		40																										
		2 Wire		60	14.7	14.5	14.1	13.9	13.6	13.2	12.9	12.6	12.2	11.8	11.4	11.0	10.5	10.1	9.6	9.0	7.4	4.9								
2 HP 4F10A20 4F10S20	26	1 PH	62	0																						815	352			
		3 Wire		20																										
		3 PH		40																										
		3 Wire		60	14.7	15.0	14.8	14.6	14.4	14.2	13.9	13.6	13.4	13.2	12.9	12.6	12.3	12.0	11.7	11.4	10.5	9.7								
3 HP 4F10A30 4F10S30	34	1 PH	79	0																						1070	462			
		3 Wire		20																										
		3 PH		40																										
		3 Wire		60	15.3	15.4	15.2	15.0	14.8	14.6	14.4	14.1	14.0	13.9	13.7	13.6	13.4	13.1	12.8	12.2	11.9	11.4	10.8	10.2	9.5			8.6	7.5	

HP Size and Model No.	Stage	Weight		Discharge Pressure PSI	DEEPCSET - DEPTH TO WATER LEVEL IN FEET																Max. Press.									
		Motor Type	Ship Wt.		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600	Ft.	PSI
					CAPACITIES IN GALLONS PER MINUTE																									
5 HP 4F10S50	52	1 PH	36	0																							1605	695		
		3 Wire		20																										
		3 PH		40																										
		3 Wire		60																										



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.



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



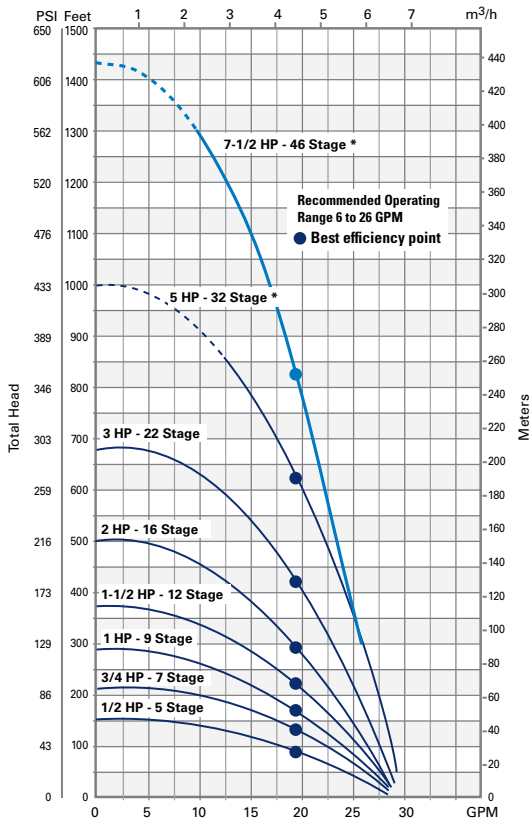




# 4" 19 GPM • 1/2 thru 7-1/2 HP • 3450 RPM • 60 Cycle

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	8.6															215	93		
		1 PH 2 Wire	33	20	20.6	18.7	16.6	14.3	11.0	5.5																				
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	15.6	13.7	11.4	6.2												283	122		
		1 PH 2 Wire	36	20	22.5	21.2	19.8	18.4	16.8	15.2	12.8	10.4	5.6																	
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	19.9	18.9	17.9	16.3	14.3	12.2	9.5									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														
2 HP 4F19A20 4F19S20	16	1 PH 3 Wire	59	0		25.5	24.9	24.3	23.7	23.0	22.4	21.8	21.0	20.2	19.2	18.2	17.0	15.9	14.4	10.8	5.0							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									
3 HP 4F19A30 4F19S30	22	1 PH 3 Wire	75	0		26.0	25.6	25.2	24.7	24.3	23.8	23.2	22.8	22.2	21.5	20.9	20.3	19.6	18.2	16.6	14.7	12.2	9.2					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							
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	23.2	22.8	22.4	21.9	21.2	20.3	19.3	18.3	17.2	15.9	14.5	12.8	10.0		1000	435	
		3 PH 3 Wire	80	20	25.7	26.0	25.8	25.5	25.2	24.8	24.5	24.2	23.9	23.7	23.3	22.8	22.4	22.0	21.6	21.2	20.3	19.3	18.3	17.2	15.9	14.5	12.8			

HP Size and Model No.	Stg.	Weight		Disch. Press. PSI	DEEPSET - DEPTH TO WATER LEVEL IN FEET																Max. Pressure									
		Motor Type	Ship Wt.		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600	Ft.	PSI
					CAPACITIES IN GALLONS PER MINUTE																									
7-1/2 HP 4F19S75	46	3 PH 3 Wire	35	0																							1420	615		
				20																										



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.



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

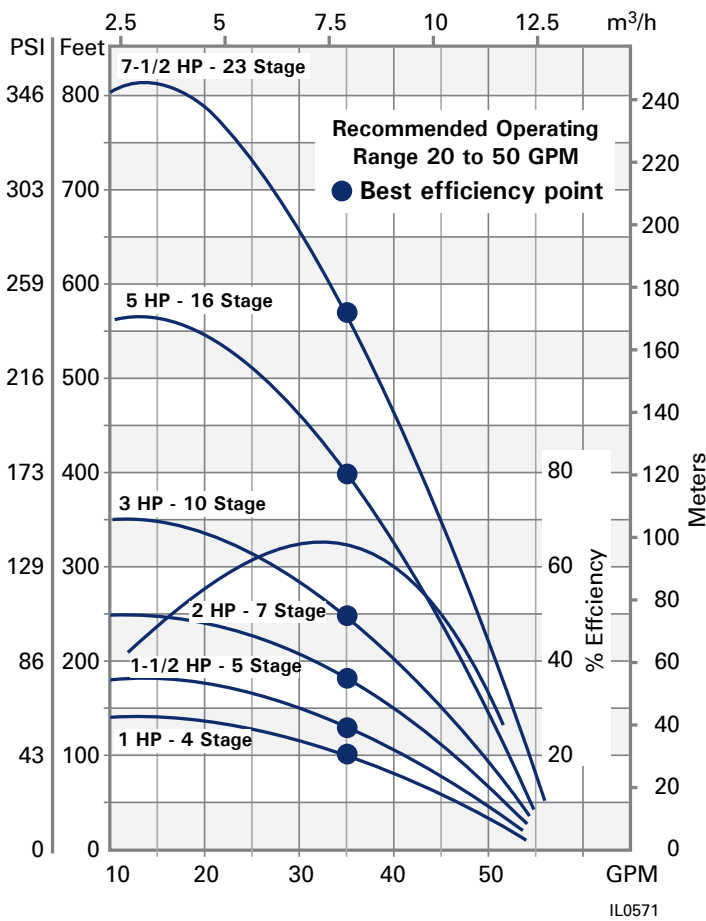




# 4" 35 GPM • 1 thru 7-1/2 HP • 3450 RPM • 60 Cycle

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 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	40 30	36 23	31	25	10											180	78			
2 HP 4F35A20 4F35S20	7	1 3	14 14	30 28	0 20 40 60	47 41 34	50 45 31	48 42 26	45 39 19	43 36 28	40 33 22	37 29	34 24	30	26	19									245	106			
3 HP* 4F35A30 4F35S30	10	1 3	17 17	52 43	0 20 40 60		48 45 40	47 43 38	49 45 36	47 41 34	45 39 31	44 39 28	42 37 25	40 35 20	38 33 22	36 30 17	33 27 17	28 18	17							355	154		
5 HP* 4F35A50 4F35S50	16	1 3	23 23	69 53	0 20 40 60			49 48 47	50 48 44	49 47 44	48 46 42	48 47 41	47 45 40	46 44 38	45 43 37	44 41 35	42 39 28	39 36 22	35 32 27	31 27 21	26 21	20				560	245		
7-1/2 HP* 4F35A75 4F35S75	23	3	31	69	0 20 40 60							50 49 48	49 48 47	49 48 46	48 47 45	47 46 43	45 43 41	43 41 39	40 38 36	38 36 34	36 33 31	33 31 28	31 28 24	28 24 19	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.







# Motor and Control Box Chart

HP	Voltage & Phase	Motor Type	F&W Motor Thrust Rating	F&W Motor Order No.	F&W Control Box Order Number	F&W VFD 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
	115V / 1PH	2-Wire	700#	137412	--	--	M137412	--
	230V / 1PH	2-Wire	700#	137414	--	--	M137414	--
	230V / 3PH	3-Wire	700#	137585	--	TVS15	N/A	--
	460V / 3PH	3-Wire	700#	137591	--	N/A	N/A	--
3/4	230V / 1PH	3-Wire	700#	137430	022877	--	M137430	127197
	230V / 1PH	2-Wire	700#	137416	--	--	M137416	--
	230V / 3PH	3-Wire	700#	137586	--	TVS15	N/A	--
	460V / 3PH	3-Wire	700#	137592	--	N/A	N/A	--
1	230V / 1PH	3-Wire	700#	137432	022878	--	M137432	126319
	230V / 1PH	2-Wire	700#	137418	--	--	M137418	--
	230V / 3PH	3-Wire	700#	137587	--	TVS15	N/A	--
	460V / 3PH	3-Wire	700#	137593	--	N/A	N/A	--
1 1/2	230V / 1PH	3-Wire	700#	137434	022879	--	M137434	133589
	230V / 1PH	2-Wire	700#	137420	--	--	M137420	--
	200V / 3PH	3-Wire	N/A	N/A	--	N/A	M137457	--
	230V / 3PH	3-Wire	700#	137588	--	TVS15	M137458	--
	460V / 3PH	3-Wire	700#	137594	--	N/A	M137460	--
2	230V / 1PH	3-Wire	700#	137435	025242	--	M137435	137224+ 126321++
	200V / 3PH	3-Wire	N/A	N/A	--	N/A	M137461	--
	230V / 3PH	3-Wire	700#	137589	--	TVS20	M137462	--
	460V / 3PH	3-Wire	700#	137595	--	N/A	M137464	--
3	230V / 1PH	3-Wire	N/A	N/A	025243	--	M139422	136800+ 126322++
	200V / 3PH	3-Wire	N/A	N/A	--	N/A	M139423	--
	230V / 3PH	3-Wire	900#	137590	--	TVS30	M139424	--
	460V / 3PH	3-Wire	900#	137596	--	N/A	M139425	--
5	230V / 1PH	3-Wire	N/A	N/A	025244	--	M137456	135269+ 137225++
	200V / 3PH	3-Wire	N/A	N/A	--	N/A	M137469	--
	230V / 3PH	3-Wire	N/A	N/A	--	N/A	M137470	--
	460V / 3PH	3-Wire	N/A	N/A	--	N/A	M137472	--
7 1/2	200V / 3PH	3-Wire	N/A	N/A	--	N/A	M137473	--
	230V / 3PH	3-Wire	N/A	N/A	--	N/A	M137474	--
	460V / 3PH	3-Wire	N/A	N/A	--	N/A	M137476	--

N/A Not available

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

++ Standard control box.





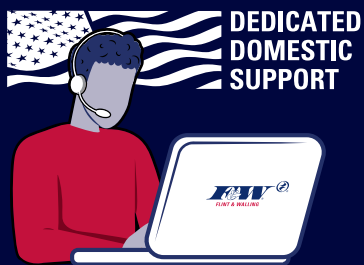


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