

# 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



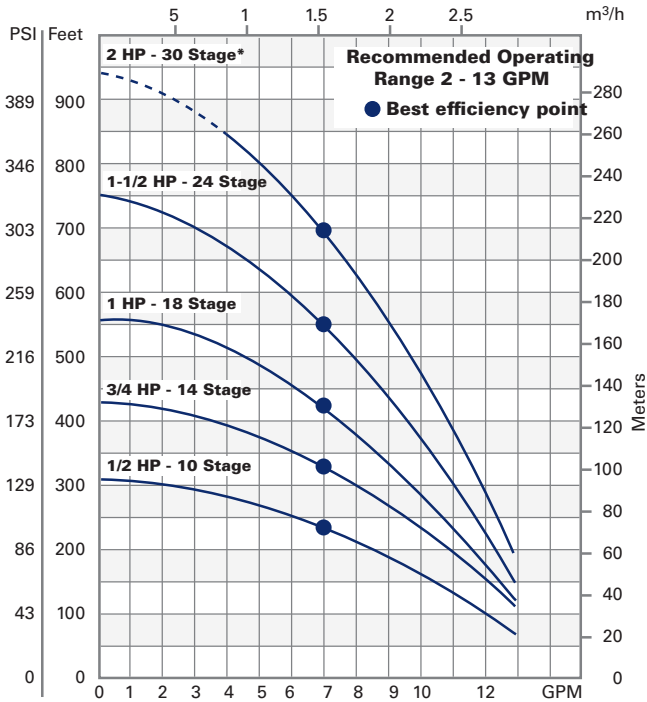
\*USING A MAJORITY OF U.S. COMPONENTS

# 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	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									
		3 Wire	40	11.3	10.7	10.0	9.3	8.5	7.7	6.8	5.7	4.4	2.8																										
		1 PH	28	60	9.8	9.1	8.3	7.5	6.5	5.3	4.0	2.3																											
		2 Wire	80	8.1	7.2	6.1	4.9	3.5																															
3/4 HP 4F07A07 4F07S07 4F07G07	14	1 PH	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						
		3 Wire	40	20				12.2	11.8	11.3	10.9	10.3	9.8	9.2	8.6	8.0	7.2	6.3	5.3	3.9	1.8																		
		1 PH	33	60	11.2	10.7	10.2	9.6	9.1	8.5	7.9	7.2	6.5	5.5	4.2	2.3																							
		2 Wire	80	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	37	0				12.7	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				
		3 Wire	40	20				12.2	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.2	8.7	7.8	7.5	6.3	4.7	2.1																	
		1 PH	37	60	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																				
		2 Wire	80	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	2.8																						
1-1/2 HP 4F07A15 4F07S15	24	1 PH	51	0					12.9	12.7	12.4	12.1	11.8	11.5	11.2	10.8	10.5	10.1	9.4	8.7	7.8	6.9	5.9	4.6	3.9												745	322	
		3 Wire	20						12.2	12.0	11.7	11.5	11.2	10.9	10.6	10.2	9.9	9.5	9.1	8.7	7.9	7.0	6.0	4.7	3.1														
		1 PH	51	40				12.8	12.6	12.3	12.1	11.8	11.6	11.3	10.9	10.6	10.2	9.9	9.5	9.1	8.7	7.9	7.0	6.0	4.8	3.2													
		2 Wire	60					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	4.9	3.3																
3 PH	46	80					11.0	10.7	10.5	10.2	9.9	9.6	9.2	8.9	8.5	8.1	7.6	7.2	6.2	5.0	3.5																		
2 HP 4F07A20 4F07S20	30	1 PH	61	0						13.0	12.8	12.5	12.3	12.0	11.8	11.5	11.3	11.1	10.7	10.2	9.6	9.0	8.3	7.7	6.9	5.2												945	409
		3 Wire	20							12.7	12.5	12.3	12.1	11.9	11.6	11.3	11.1	10.8	10.5	10.2	9.7	9.1	8.4	7.7	7.0	6.2													
		1 PH	51	40						12.3	12.1	11.9	11.6	11.3	11.1	10.8	10.5	10.2	9.7	9.1	8.4	7.7	7.0	6.3	5.3														
		3 Wire	60							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														
3 PH	51	80							11.3	11.1	10.9	10.6	10.3	10.1	9.8	9.5	9.2	8.5	7.9	7.2	6.4	5.5	4.4																

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



IL0567

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



## 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
	115V/1PH	2-Wire	700#	137412	N/A	M137412	N/A
	230V/1PH	2-Wire	700#	137414	N/A	M137414	N/A
3/4	230V/1PH	3-Wire	700#	137430	022877	M137430	127197
	230V/1PH	2-Wire	700#	137416	N/A	M137416	N/A
1	230V/1PH	3-Wire	700#	137432	022878	M137432	126319
	230V/1PH	2-Wire	700#	137418	N/A	M137418	N/A
1-1/2	230V/1PH	3-Wire	700#	137434	022879	M137434	133589
	230V/1PH	2-Wire	700#	137420	N/A	M137420	N/A
	200V/3PH	3-Wire	--	N/A	N/A	M137457	N/A
	230V/3PH	3-Wire	--	N/A	N/A	M137458	N/A
2	460V/3PH	3-Wire	--	N/A	N/A	M137460	N/A
	230V/1PH	3-Wire	700#	137435	022880	M137435	137224+ 126321++
	200V/3PH	3-Wire	--	N/A	N/A	M137461	N/A
	230V/3PH	3-Wire	--	N/A	N/A	M137462	N/A
	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
	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
7-1/2	230V/3PH	3-Wire	--	N/A	N/A	M137470	N/A
	460V/3PH	3-Wire	--	N/A	N/A	M137472	N/A
	200V/3PH	3-Wire	--	N/A	N/A	M137473	N/A
	230V/3PH	3-Wire	--	N/A	N/A	M137474	N/A
	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.

### DOE Compliance

PUMP MODEL	Impeller Dia.	P.E.I.
4F27	3.020"	0.98
4F35	3.072"	0.90
4F55	3.075"	0.96
4F85	3.070"	0.99