

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

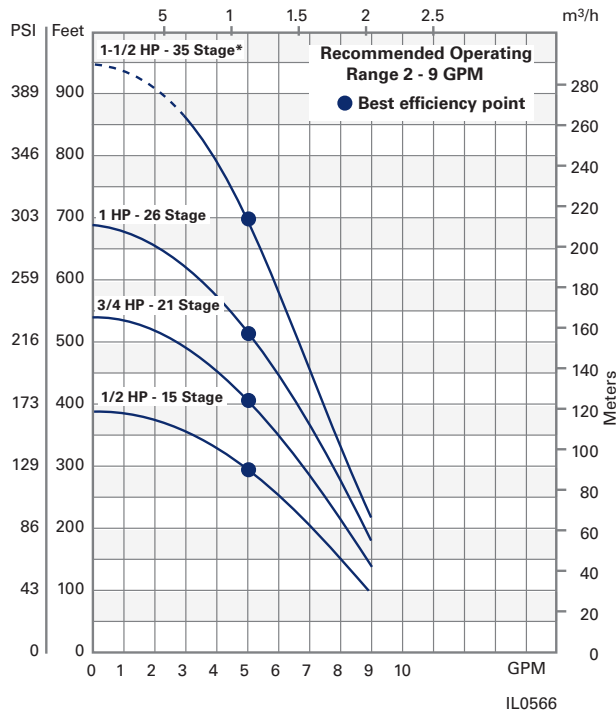
4" 5 GPM • 1/2 thru 1 1/2 HP • 3450 RPM • 60 Cycle



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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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1/2 HP 4F05A05 4F05S05 4F05G05	15	1 PH 3 Wire	29	0 20 40 60 80			8.8 8.3 7.5 6.5	8.4 7.9 7.1 6.1	8.1 7.7 6.2 4.6	8.5 7.7 5.8 4.6	8.2 7.3 5.3 4.0	7.8 6.9 4.8 3.4	7.4 6.5 5.4 2.6	7.0 6.0 4.9 1.2	6.5 5.5 4.6 2.7	5.9 4.8 3.5 2.4	5.3 4.1 2.4	4.7 3.3 2.3	4.0 2.3	3.2									390	168																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
3/4 HP 4F05A07 4F05S07	21	1 PH 3 Wire 1 PH 2 Wire	35 35	0 20 40 60 80			8.7 8.2 7.6	8.5 7.9 7.3	8.8 8.0 7.0	8.6 7.7 6.7	8.3 7.5 6.4	8.1 7.8 6.1	7.8 7.5 5.9	7.5 6.2 5.5	7.2 6.9 5.1	6.5 6.2 4.5	6.1 5.7 4.0	5.7 5.3 3.3	5.3 4.9 2.6	4.4 4.3 1.5	3.1	3.0	2.9						550	238																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1 HP 4F05A10 4F05S10	26	1 PH 3 Wire 1 PH 2 Wire	43 43	0 20 40 60 80						9.0 8.7 8.5 8.0	8.8 8.3 8.1 7.8	8.6 8.1 7.7 7.4	8.4 7.9 7.5 7.0	8.2 7.7 7.0 6.7	7.9 7.7 7.0 6.5	7.7 7.2 6.1 5.8	7.4 6.9 5.7 5.5	7.2 6.7 6.3 5.8	6.9 6.7 6.3 5.5	6.6 6.3 5.8 5.1	6.0 5.7 5.3 4.7	5.4 5.1 4.6 3.9	4.6 3.7 3.2 2.7	3.7 2.5	3.6 2.4	2.3		695	300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
1-1/2 HP 4F05A15 4F05S15	35	1 PH 3 Wire 1 PH 2 Wire 3 PH 3 Wire	55 55 52	0 20 40 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.

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
	230V/1PH	3-Wire	700#	137432	022878	M137432	126319
	230V/1PH	2-Wire	700#	137418	N/A	M137418	N/A
1	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
1-1/2	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
2	460V/3PH	3-Wire	--	N/A	N/A	M137464	N/A

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

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
	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
	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.