

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 and A 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' and 'S' 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.			

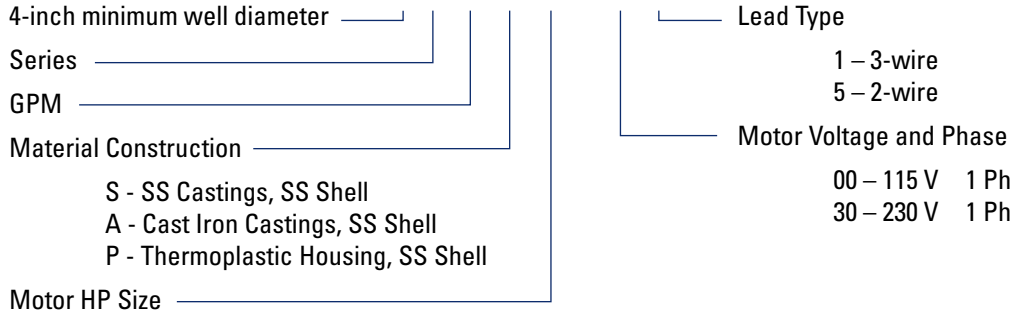
* Replacement cartridge assembly available for select models. Includes all necessary parts to restore pumps to like-new performance. No special tools required. Noryl® is a registered trademark of General Electric.

Model Number Code



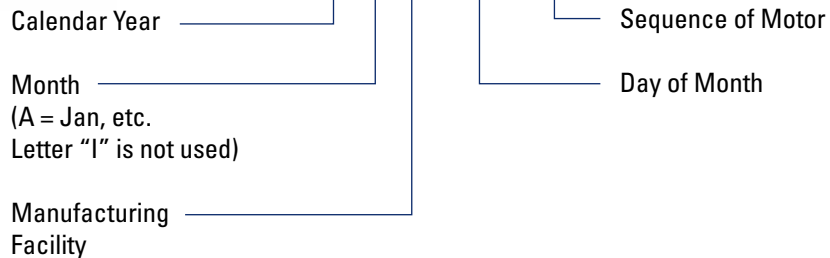
5 thru 85 GPM

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



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.

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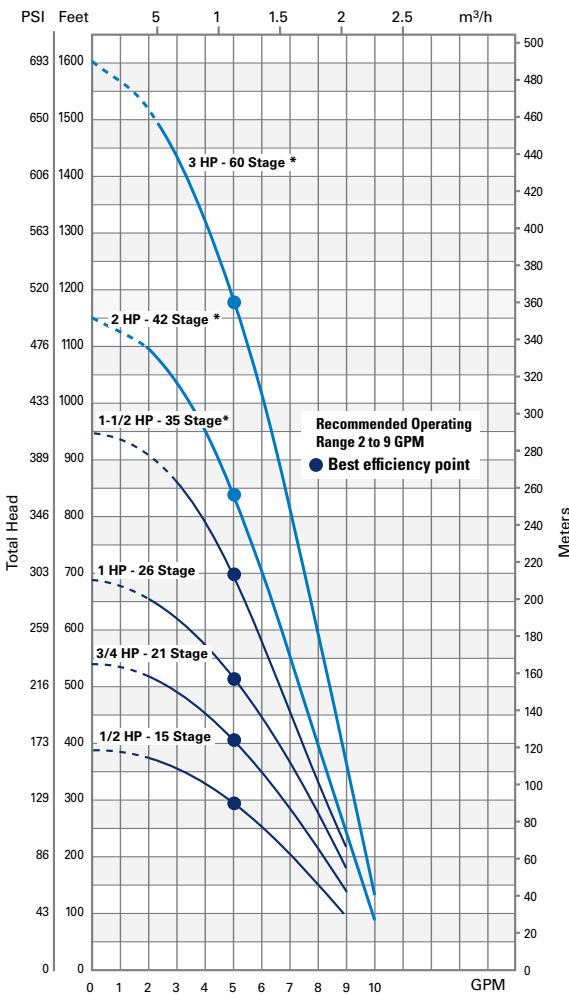
External line check valve (1-1/4" or larger) required every 100 feet of vertical drop pipe. 900# or 1500# thrust motors required on all deep set submersible pump ends.



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	15	1 PH 3 Wire	29	0																								390	168	
		1 PH 2 Wire	29	20																										
				40	8.3	7.9	7.5	7.1	6.7	6.2	5.8	5.3	4.8	4.2	3.5	2.7														
				60	8.8	8.4	8.1	7.7	7.3	6.9	6.5	6.0	5.5	4.8	4.1	3.3	2.3													
3/4 HP 4F05A07 4F05S07	21	1 PH 3 Wire	35	0																								550	238	
		1 PH 2 Wire	35	20																										
				40																										
				60	8.7	8.5	8.2	8.0	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																								695	300	
		1 PH 2 Wire	43	20																										
				40																										
				60																										
1-1/2 HP 4F05A15 4F05S15	35	1 PH 3 Wire	55	0																								950	411	
		1 PH 2 Wire	55	20																										
		3 PH 3 Wire	52	40																										
				60																										

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																										
		3 PH 3 Wire	30	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										
3 HP 4F05S30	60	1 PH 3 Wire	38	0																									1593	
		3 PH 3 Wire	38	20																										
				40																										
				60																										



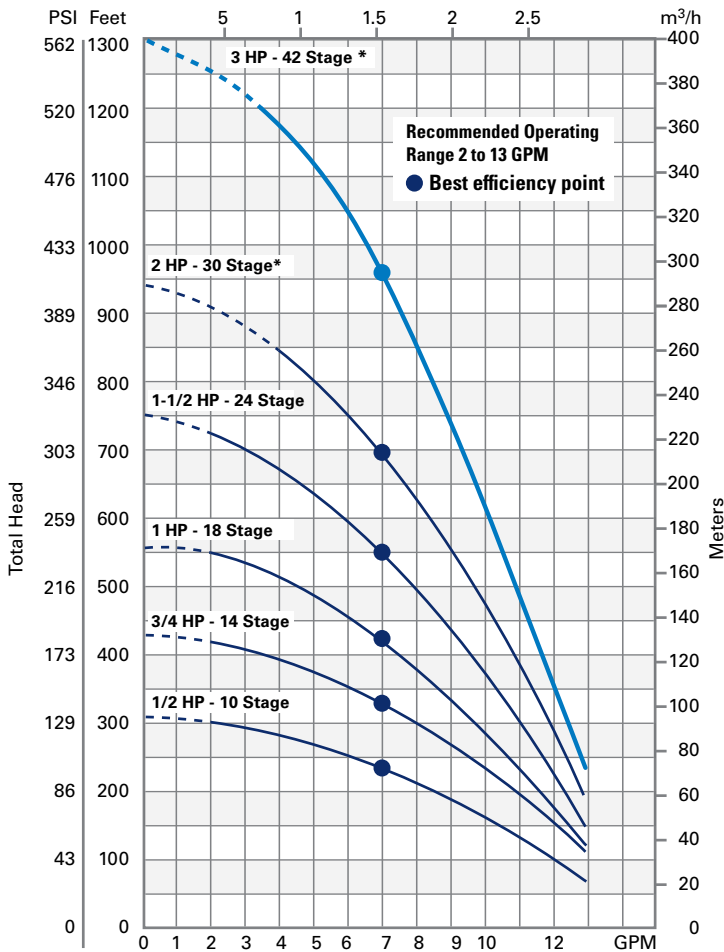
NOTE: Pipe friction loss in drop pipe is not included in chart above.
 1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.



* 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	10	1 PH 3 Wire	28	0	12.9	12.2	13.0	12.4	11.7	11.0	10.4	9.8	9.0	8.2	7.2	5.8	4.2	2.1																		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	60	9.8	9.1	8.3	7.5	6.5	5.3	4.0	2.3																														
			80	8.1	7.2	6.1	4.9	3.5																																		
3/4 HP 4F07A07 4F07S07	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	40						11.9	11.5	11.0	10.5	10.0	9.4	8.7	7.9	7.1	6.2	5.2	3.7																					
		1 PH 2 Wire	33	60						10.9	10.3	9.8	9.2	8.6	8.0	7.2	6.3	5.3	3.9	1.8																						
			80	12.2	11.8	11.3	10.9	10.2	9.6	9.1	8.5	7.9	7.2	6.5	5.5	4.2	2.3																									
1 HP 4F07A10 4F07S10	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						12.0	11.7	11.3	10.9	10.6	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	60						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																			
			80	12.2	11.9	11.5	11.2	10.8	10.4	10.1	9.7	9.2	8.8	8.3	7.7	7.1	6.5	5.8	4.9	2.5																						
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	7.1	6.5	5.1	1.6											745	322		
			51	20						12.6	12.3	12.1	11.8	11.6	11.3	11.0	10.6	10.1	9.7	9.2	8.7	8.1	7.6	7.1	6.5	5.1	1.6															
		1 PH 2 Wire	51	40						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	3.2																		
			46	60						11.1	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 3 Wire	61	0						13.0	12.8	12.5	12.3	12.0	11.8	11.5	11.2	10.9	10.5	10.2	9.8	9.5	9.1	8.7	8.1	7.6	7.1	6.5	5.1	1.6											945	409
			61	20						12.7	12.5	12.3	12.1	11.9	11.6	11.3	11.0	10.6	10.1	9.7	9.2	8.7	8.1	7.6	7.1	6.5	5.1	1.6														
		3 PH 3 Wire	51	40						12.3	12.1	11.9	11.6	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.1	8.7	8.1	7.6	7.1	6.5	5.1	1.6														
			80	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 HP 4F07S30	42	1 PH 3 Wire 3 PH 3 Wire	30	0						12.9	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	6.1	4.7	2.5											1293	560			
			30	20						12.9	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	6.1	4.7	2.5															
			80	40						12.9	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	6.1	4.7	2.5															



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.



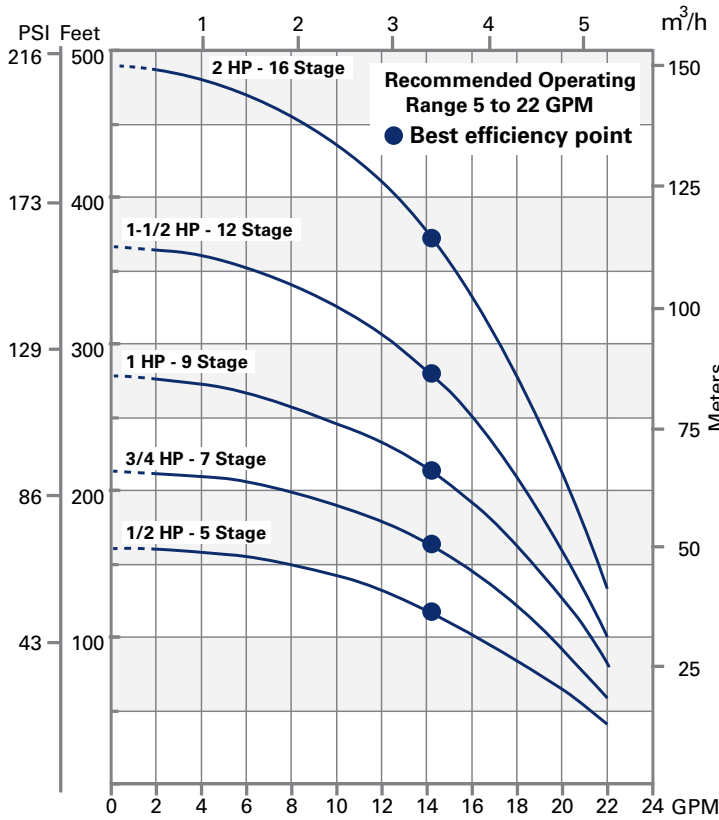
* Pumps marked with asterisks not to be operated at GPM flows indicated by dotted lines.



4" 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.		CAPACITIES IN GALLONS PER MINUTE																			Ft.	PSI			
					20	40	60	80	100	120	140	160	180	200	225	250	275	300	350	400	450	500	550			600	650	700
1/2 HP 4F15S05	5	1 PH 3 Wire	28	0																							159	69
		1 PH 2 Wire	28	20 40	19.8 14.6	22.0 11.6	20.5 7.0	18.5 12.7	16.2 8.8	13.7	10.2																	
3/4 HP 4F15S07	7	1 PH 3 Wire	33	0																							214	93
		1 PH 2 Wire	33	20 40 60 80	21.5 18.5 14.6 6.2	20.5 17.0 11.8	21.9 19.1 15.3 8.1	20.9 17.6 13.0	19.5 15.9 9.5	18.0 13.8 9.5	16.4 11.8	14.6 5.8	11.8	7.8														
1 HP 4F15S10	9	1 PH 3 Wire	36	0																							279	121
		1 PH 2 Wire	36	20 40 60 80	21.4 18.6 15.0	20.4 17.2 12.6	21.6 19.2 15.5 10.0	20.7 17.7 13.6 6.3	21.9 19.6 15.1 10.9	21.1 17.2 14.3 7.7	20.0 16.6 11.9	18.6 14.9 8.8	17.2 12.7 4.2	15.4 9.8	12.7 4.6	9.2												
1-1/2 HP 4F15S15	12	1 PH 3 Wire	33	0																							367	159
		1 PH 2 Wire	33	20 40 60 80	21.6 20.0 18.1	21.0 19.1 17.2	21.8 20.2 16.2	21.2 19.5 15.1	22.0 20.5 16.6 13.9	21.4 19.7 15.5 12.2	20.7 18.8 14.7 10.1	20.0 18.0 13.8 7.5	19.1 17.1 10.8	18.3 16.1 8.4	17.2 14.7 10.9	15.9 12.9 7.9	14.5 10.5	12.7 7.3	6.4									
2 HP 4F15S20	16	1 PH 3 Wire	36	0																							489	212
		1 PH 2 Wire	36	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.



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

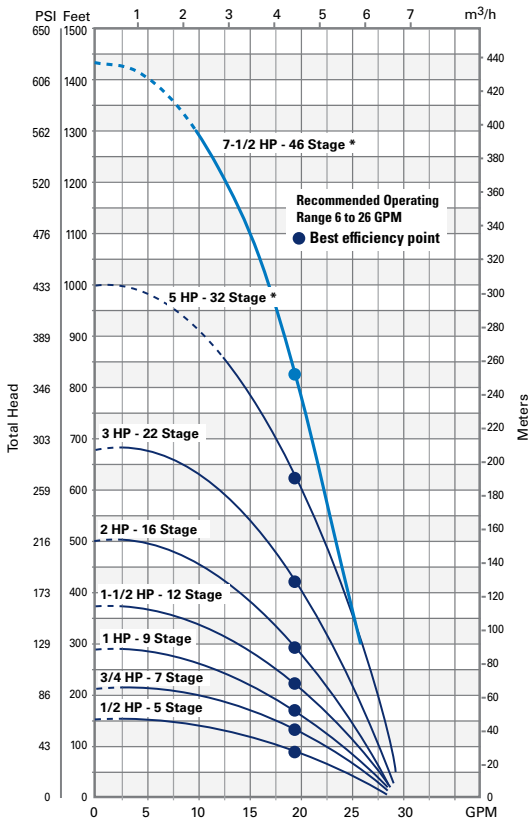
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4" 19 GPM • 1/2 thru 7-1/2 HP • 3450 RPM • 60 Cycle

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.
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	24.6	19.8	17.1	14.0	9.9																				
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	24.4	20.6	18.7	16.6	14.3	11.0	5.5																		
1 HP 4F19A10 4F19S10	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	25.2	21.2	19.8	18.4	16.8	15.2	12.8	10.4	5.6																
1-1/2 HP 4F19A15 4F19S15	12	1 PH 3 Wire	43	0	25.5	24.4	23.2	22.1	20.7	19.4	17.8	16.2	13.7	10.7	5.0													375	163
		1 PH 2 Wire	43	20	25.5	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	25.3	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							500	217
		3 PH 3 Wire	49	20	25.3	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									
3 HP 4F19A30 4F19S30	22	1 PH 3 Wire	75	0	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					685	298
		3 PH 3 Wire	75	20	25.3	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	25.7	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	1000	435
		3 PH 3 Wire	80	20	25.7	25.3	25.1	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		

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.
7-1/2 HP 4F19S75	46	3 PH 3 Wire	35	0	26.0	25.4	24.8	24.2	23.6	23.0	22.4	21.7	21.1	20.4	19.8	19.1	18.4	17.7	16.9	15.2	13.1	10.5	5.8					1420	615
				20	26.1	25.5	24.9	24.2	23.6	23.0	22.4	21.8	21.1	20.5	19.8	19.1	18.4	17.7	16.9	15.2	13.1	10.5	5.8						



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" →

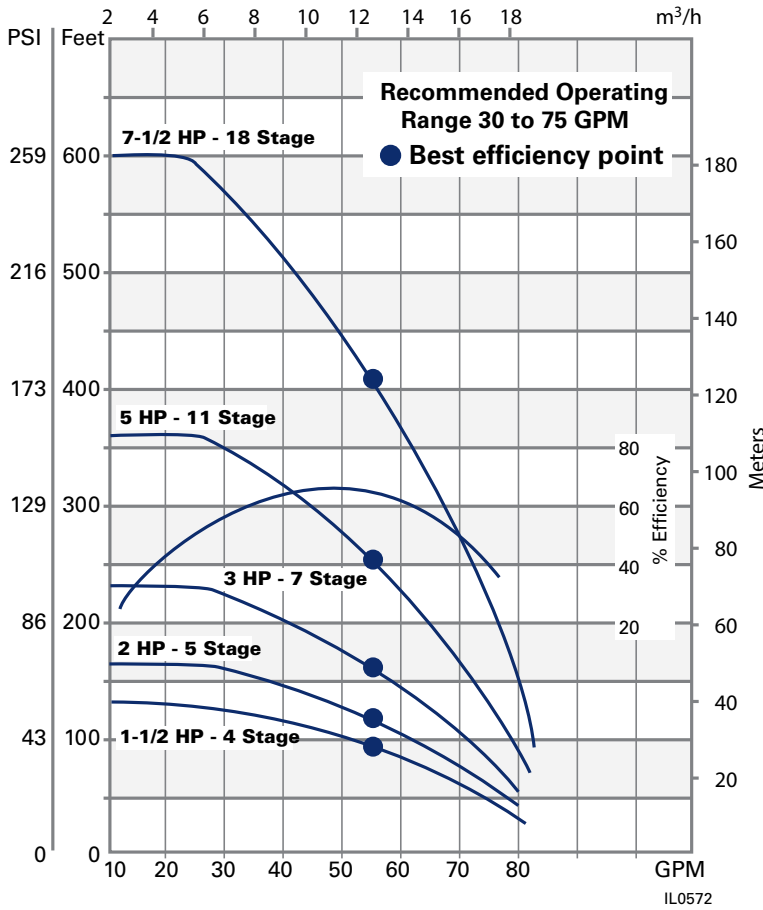
* Pumps marked with asterisks not to be operated at GPM flows indicated by the dotted line.



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 12	28 25	0 20 40 60	70 42	60 23	71 47	62 33	50	36															135	58
2 HP 4F55A20 4F55S20	5	1 3	14 14	30 28	0 20 40 60	74 56 30	68 45	75 59 34	69 50	61 38	51 15	42	29													165	71
3 HP* 4F55A30 4F55S30	7	1 3	16 16	52 43	0 20 40 60		75 63 48	70 57 40	65 50 32	71 59 43	66 53 34	61 46 15	55 38	47 28	39	31										235	101
5 HP* 4F55A50 4F55S50	11	1 3	19 19	69 53	0 20 40 60			72 65	69 62	73 66 58	70 63 53	74 67 49	71 64 44	68 60 39	64 56 33	61 52 25	57 47 30	53 42 30	44 31	30						365	158
7-1/2 HP* 4F55A75 4F55S75	18	3	28	69	0 20 40 60						75 73 70	74 72 68	71 70 66	68 66 63	74 71 69	73 69 67	71 67 65	66 62 57	62 56 50	56 50 42	49 42 35	41 34 24	33 20	600	259		

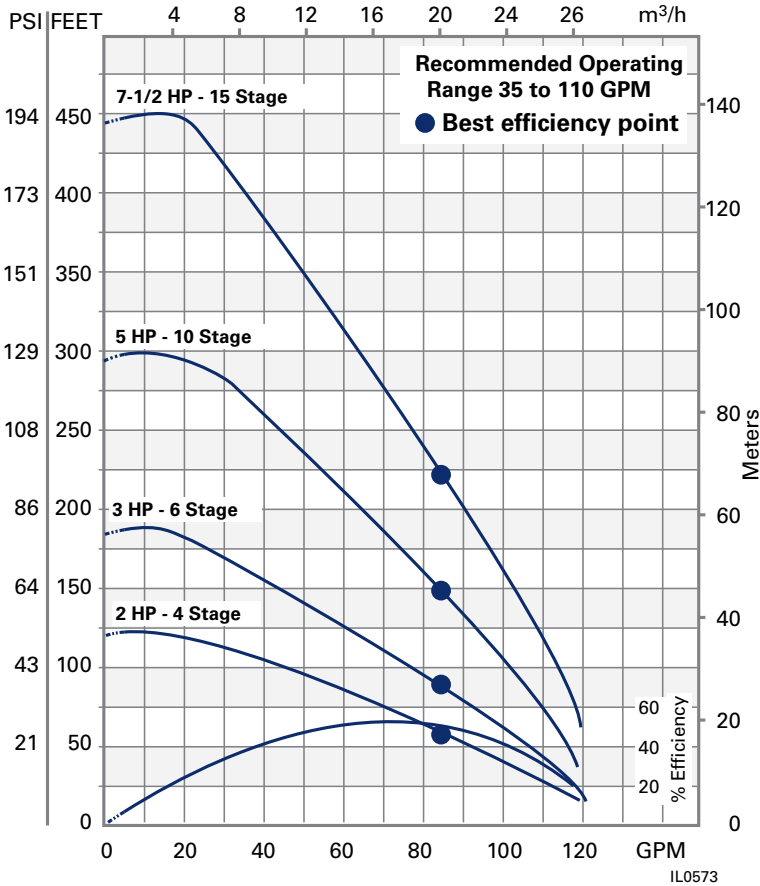
NOTE: Pipe friction loss in drop pipe is not included in chart above.
 *For 3 HP and above, refer to motor manufacturer's handbook for proper flow rates to cool motor.
 1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.



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 3	13 13	30 28	0 20 40 60	80 35	105 60	85 40	64	45														120	52			
3 HP* 4F85A30 4F85S30	6	1 3	15 15	52 43	0 20 40 60	101 70 40	88 56 25	103 75 43	91 61 30	77 48	63 34	51 38												185	80			
5 HP* 4F85A50 4F85S50	10	1 3	20 20	69 53	0 20 40 60	100 81	108 73	102 83 65	110 94 75 57	103 86 67 49	95 78 59 41	87 70 51 33	79 62 43 20	71 54 36	63 46 25	55 38	48 30	40	32					300	130			
7-1/2 HP* 4F85A75 4F85S75	15	3	27	69	0 20 40 60	103 97	109 97	104 92	110 99 87	106 94 81	101 88 76	95 83 70	106 90 65	102 85 59	97 79 54	91 74 49	85 68 43	80 63 38	74 57 32	69 57 25	64 52 40	59 47 34	53 41 27	48 36	43 30	38	450	195

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.



A series of 26 horizontal lines for taking notes.



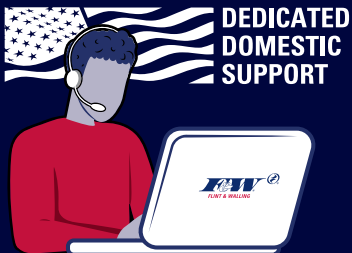


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