

Four-Inch Submersible Pumps

FW1674
0624
Supersedes
0723



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

4-inch minimum well diameter

Series

GPM

Material Construction

S - SS Castings, SS Shell

A - Cast Iron Castings, SS Shell

P - Thermoplastic Housing, 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 - 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

Calendar Year

Month

(A = Jan, etc.

Letter "I" is not used)

Manufacturing

Facility

Sequence of Motor

Day of Month

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.

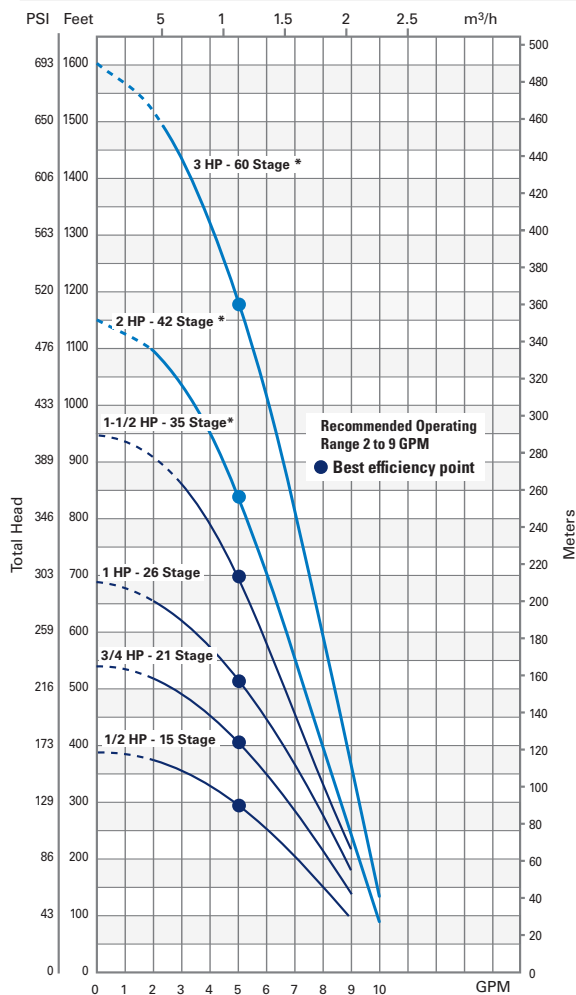


Flint & Walling, Inc. • 95 N Oak St. • Kendallville, IN 46755 • 800-345-9422 • www.FlintandWalling.com

© Flint & Walling. All rights reserved.

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 20 40			8.8 7.9 7.5	8.4 7.5 6.1	8.9 7.1 6.2	8.5 6.7 5.8	8.2 6.3 5.3	7.8 5.9 4.8	7.4 5.4 4.2	7.0 4.9 3.6	6.5 4.2 2.7	5.9 4.1 3.5	5.3 2.4	4.7 3.3 2.3	4.0 2.3	3.2											390	168		
		1 PH 2 Wire	29	60 80			8.3 7.5 6.5	7.9 7.1 6.1	7.5 6.7 5.6	7.1 6.2 5.1	6.7 5.8 4.6	6.3 5.3 4.0	5.9 4.8 3.4	5.4 4.2 2.6	4.9 3.6 1.2	4.2 2.7																		
3/4 HP 4F05A07 4F05S07	21	1 PH 3 Wire	35	0 20 40					8.8 8.2 8.0	8.6 7.7 7.0	8.3 7.5 6.4	8.1 7.2 6.1	7.8 6.9 5.9	7.4 6.5 5.5	7.0 6.2 5.1	6.5 5.7 4.5	6.1 5.3 4.0	5.7 4.9 3.3	5.3 4.5 2.6	4.9 3.9 1.5	4.4 3.3	4.3 3.3	3.0	2.9							550	238		
		1 PH 2 Wire	35	60 80			8.7 8.2 7.6	8.5 7.9 7.3	8.8 7.7 7.0	8.6 7.4 6.7	8.3 7.1 6.4	8.1 6.8 6.1	7.8 6.5 5.5	7.4 6.2 5.1	7.0 5.8 4.5	6.5 5.4 4.0	6.1 4.9 3.3	5.7 4.5 2.6	5.3 3.9 1.5	5.2 4.5 1.5	4.2 3.3	3.0	2.9											
1 HP 4F05A10 4F05S10	26	1 PH 3 Wire	43	0 20 40						9.0 8.7 8.5	8.8 7.9 7.6	8.6 7.7 7.4	8.4 7.5 7.2	8.2 7.2 6.7	7.9 7.0 6.5	7.7 6.9 6.1	7.4 6.6 5.8	7.2 6.3 5.5	6.9 6.0 5.1	6.6 5.4 4.7	6.0 5.4 3.9	5.3 4.6 2.7	4.6 3.7	4.5 3.7	3.6 2.4	2.3					695	300		
		1 PH 2 Wire	43	60 80			8.5 8.0	8.3 7.8	8.1 7.6	7.9 7.4	7.7 7.2	7.5 7.0	7.2 6.7	6.9 6.5	6.7 6.1	6.4 5.8	6.1 5.5	6.0 5.1	5.8 4.7	5.5 3.9	5.4 4.6	4.6 3.7	4.3 2.7	3.7 2.5	3.6 2.4	2.3								
1-1/2 HP 4F05A15 4F05S15	35	1 PH 3 Wire	55	0 20 40											8.9 8.7 8.5	8.7 8.5 8.2	8.5 8.4 8.0	8.3 8.2 7.9	8.0 7.8 7.5	7.7 7.6 7.3	7.4 7.2 6.6	7.1 6.8 6.0	6.7 6.3 5.6	6.5 5.9 5.1	5.9 5.5 4.7	5.3 5.1 4.1	4.5 4.6 3.5	4.0 3.4			950	411		
		1 PH 2 Wire	55	60 80												8.8 8.6 8.5	8.6 8.4 8.0	8.5 8.2 7.7	8.3 8.0 7.5	8.1 7.8 7.3	7.9 7.6 7.1	7.7 7.4 6.6	7.5 7.0 6.4	7.2 6.8 6.0	6.9 6.4 5.6	6.7 6.3 5.1	6.3 5.9 4.7	5.9 5.5 4.1	5.4 5.0 4.1	5.0 4.6 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 20 40					8.9 8.6 8.3	8.6 8.3 8.0	8.3 8.0 7.7	8.0 7.7 7.4	7.7 7.4 7.1	7.3 7.0 6.7	7.0 6.7 6.4	6.7 6.4 6.1	6.4 6.1 5.7	6.0 5.7 5.3	5.7 5.3 4.9	5.3 4.9 4.5	4.9 4.5 4.1	4.4 4.0 3.5	3.4 2.8 2.1	1.9										
		3 PH 3 Wire	30	60 80	9.0	8.7	8.4	8.1	7.8	7.4	7.1	6.8	6.5	6.1	5.8	5.4	5.0	4.6	4.1	3.6	2.2													
3 HP 4F05S30	60	1 PH 3 Wire	38	0 20 40							8.9 8.7 8.5	8.6 8.4 8.2	8.3 8.0 7.8	8.0 7.8 7.6	7.7 7.4 7.1	7.3 7.0 6.7	7.0 6.7 6.4	6.7 6.4 6.1	6.4 6.1 5.7	6.0 5.7 5.3	5.7 5.3 4.9	5.3 4.9 4.5	4.9 4.5 4.1	4.6 4.2 3.6	4.3 3.9 3.5	4.0 3.6 3.2	2.2					1593	168	
		3 PH 3 Wire	38	60 80								8.9 8.7 8.5	8.6 8.4 8.2	8.3 8.0 7.8	8.0 7.8 7.6	7.7 7.4 7.1	7.3 7.0 6.7	7.0 6.7 6.4	6.7 6.4 6.1	6.4 6.1 5.7	6.0 5.7 5.3	5.7 5.3 4.9	5.3 4.9 4.5	4.9 4.5 4.1	4.6 4.2 3.6	4.3 3.9 3.5	4.0 3.6 3.2							



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.

Stainless Steel
1-1/4" NPT



3.72"

Cast Iron
1-1/4" NPT



3.72"

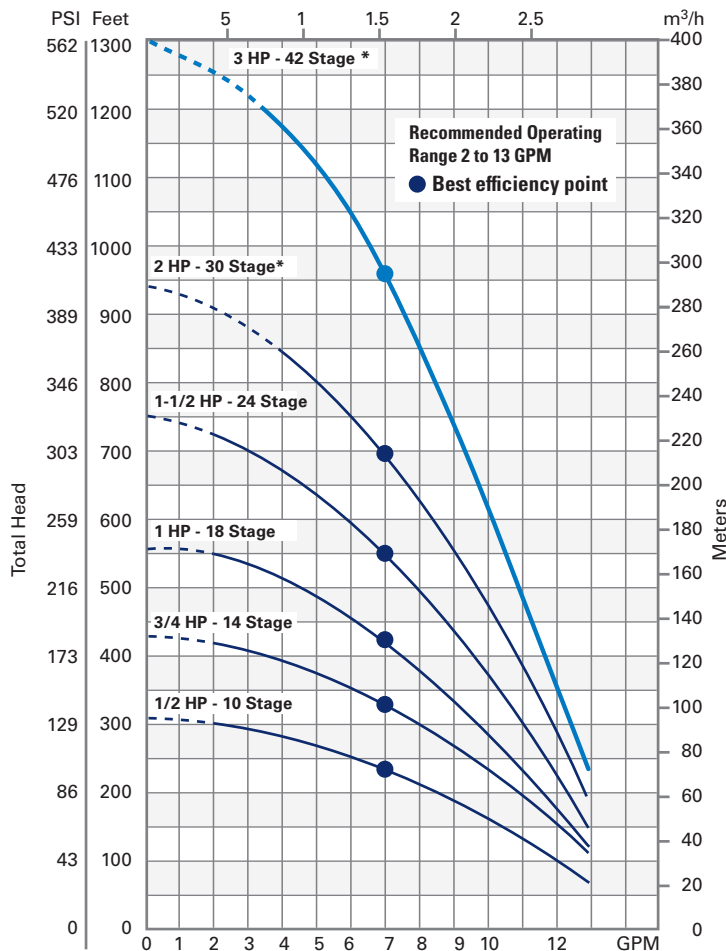
* Pumps marked with asterisks not to be operated at GPM flows indicated by dotted line.



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	10	1 PH 3 Wire	28	0 20 40	12.9 11.3 9.8 8.1	12.2 10.7 9.1 7.2	13.0 11.6 10.0 8.1	12.4 10.9 9.3 7.7	11.7 10.3 8.5 7.7	11.0 9.6 7.7 6.8	10.4 8.9 7.7 6.8	9.8 8.1 7.2 6.1	9.0 7.2 6.1 4.7	8.2 6.1 4.4 2.8	7.2 4.7 2.0	5.8 2.0	4.2 2.1	2.1												310	134			
3/4 HP 4F07A07 4F07S07	14	1 PH 3 Wire	33	0 20 40			12.7 11.8 11.2 10.0	12.4 11.3 10.2 9.5	12.9 11.9 10.9 9.8	12.5 11.5 10.3 9.1	12.0 11.0 9.8 7.7	11.6 10.5 9.2 8.3	11.1 10.0 8.6 7.2	10.7 9.4 8.0 6.5	10.0 8.7 7.2 5.5	9.3 7.9 6.3 4.2	8.5 7.1 5.3 2.3	7.8 6.2 3.9	6.9 5.2 1.8	6.0 3.7	3.4									430	186			
1 HP 4F07A10 4F07S10	18	1 PH 3 Wire	37	0 20 40			12.0 12.2 10.8 10.6	12.7 11.9 11.0 10.2	12.3 11.5 10.7 9.8	12.4 11.7 11.2 9.5	12.1 11.3 10.4 9.1	11.7 10.9 10.1 8.7	11.4 10.6 9.7 7.8	10.9 10.1 9.2 7.2	10.5 9.7 8.7 6.6	10.0 9.2 8.1 5.9	9.5 8.7 7.6 5.1	9.0 7.8 6.3 4.1	8.5 7.4 6.5 2.8	7.4 6.3 4.7 2.1	6.1 4.5 2.1	4.5 2.1	1.6							560	242			
1-1/2 HP 4F07A15 4F07S15	24	1 PH 3 Wire	51	0 20 40					12.8 12.2 11.6 11.0	12.6 12.0 11.4 10.7	12.9 12.3 11.7 10.5	12.7 11.8 11.1 10.2	12.4 11.8 10.9 9.6	12.1 11.3 10.6 9.3	11.8 10.9 10.3 8.9	11.5 10.5 9.6 8.2	11.2 10.5 9.2 7.6	10.8 10.2 8.8 7.6	10.5 9.8 8.4 7.6	10.1 9.5 8.0 7.2	9.4 8.7 7.9 6.2	8.7 7.9 6.1 4.9	7.8 7.0 4.9 3.5	6.9 6.0 4.9 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	61	0 20 40								12.7 12.3 11.8 11.3	13.0 12.5 12.1 11.1	12.8 12.3 11.9 10.9	12.5 12.1 11.6 10.6	12.3 11.9 11.1 10.3	12.0 11.6 10.3 9.5	11.8 11.1 10.5 9.2	11.5 10.8 10.0 8.5	11.3 10.7 10.2 8.5	11.0 10.4 9.7 7.9	10.7 10.2 9.1 7.2	10.2 9.6 8.4 6.1	9.6 8.4 7.7 5.5	9.0 8.1 7.0 5.3	8.3 7.7 6.3 4.4	7.7 6.3 5.5 4.4	6.9 6.2 5.3 4.4	5.2		945	409		
HP Size and Model No.	Stages	Weight		Disch. Press 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																													
3 HP 4F07S30	42	1 PH 3 Wire	30	0 20 40	12.9	12.9	12.5	12.1	12.8	12.5	12.1	11.7	11.3	11.0	10.6	10.2	9.8	9.4	9.0	8.6	8.1	7.7	7.2	6.7	6.1	5.3	4.7	2.5				1293	560	

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				12.8	12.4	12.0	11.6	11.3	10.9	10.5	10.1	9.7	9.3	8.9	8.5	7.6									3.5						
			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	7.6	6.6	5.4	3.7					2.3							
			60				12.5	12.1	11.7	11.3	11.0	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	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	5.5	3.8														
		30																																	



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



← 3.72" →

Cast Iron
1-1/4" NPT



← 3.72" →

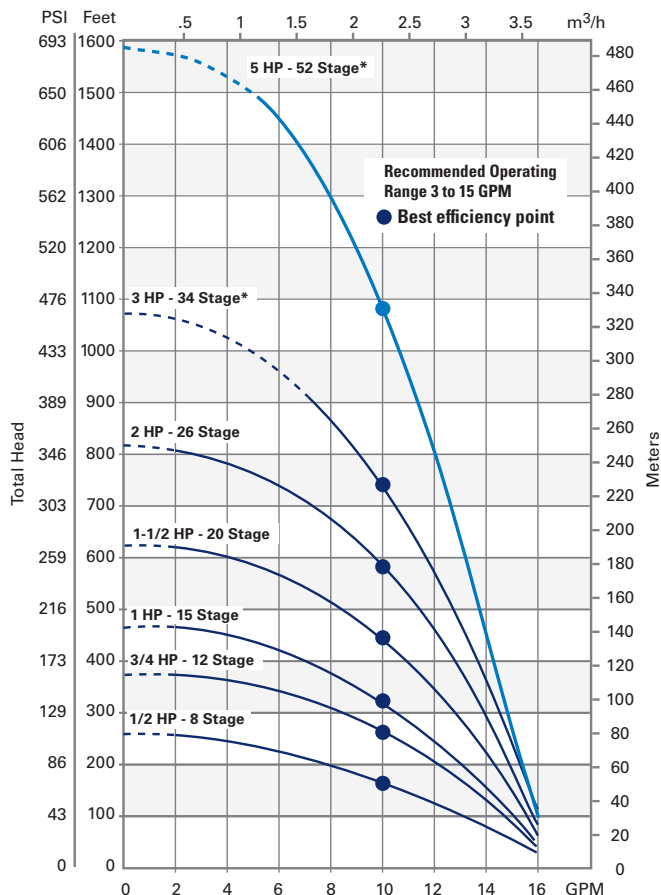
* Pumps marked with asterisks not to be operated at GPM flows indicated by dotted lines.



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	8	1 PH 3 Wire	27	0 20 40	14.6 12.8 10.9	14.1 12.0 9.9	14.7 13.3 8.6	14.2 12.5 6.7	13.4 12.6 4.5	12.6 10.5 9.5	11.7 10.8 8.7	10.8 9.7 7.8	9.7 8.3 6.0	8.3 6.3 3.4	6.3 2.1														250	108		
		1 PH 2 Wire	27	60 80	10.9 7.8	9.9 4.9	8.6 3.6	6.7	4.5																							
3/4 HP 4F10A07 4F10S07	12	1 PH 3 Wire	32	0 20 40	14.3 13.8 13.2	14.9 13.8 12.6	14.5 13.3 12.1	13.9 12.8 11.5	13.4 12.4 11.0	12.6 11.4 10.3	11.7 10.5 9.6	10.8 9.6 8.7	9.7 8.9 7.7	8.3 7.9 6.6	6.3 3.8	2.1	10.4 8.9 6.1	9.7 7.4 3.5	8.5 6.1	5.7									375	162		
		1 PH 2 Wire	32	60 80	13.2 11.9	12.6 11.4	12.1 10.6	11.5 10.0	10.9 9.3	10.3 8.4	9.6 7.4	8.7 6.2	7.7 3.8	6.6	3.8																	
1 HP 4F10A10 4F10S10	15	1 PH 3 Wire	36	0 20 40	14.9 13.1	14.5 12.6	14.1 12.1	13.7 11.7	13.3 11.2	12.9 10.7	12.4 10.1	11.9 9.7	11.4 8.2	10.9 6.8	10.3 5.3	9.5 2.6	8.6 5.3	7.9 2.6	6.6 5.0	5.0	3.8									470	203	
		1 PH 2 Wire	36	60 80	13.9 13.1	13.5 12.6	12.7 12.1	12.7 11.7	12.3 11.2	11.8 10.7	11.2 10.1	10.9 9.0	10.3 8.2	9.7 6.8	8.9 5.3	7.8 2.6	6.6 5.0	5.0	3.8													
1-1/2 HP 4F10A15 4F10S15	20	1 PH 3 Wire	47	0 20 40																									630	272		
		1 PH 2 Wire	47	40 60		15.0 14.7	14.8 14.5	14.5 14.1	14.2 13.9	13.9 13.6	13.4 13.2	13.0 12.9	12.7 12.3	12.4 11.4	11.9 11.0	11.5 10.6	11.0 10.1	10.0 8.8	8.6 7.3	7.1 4.8	4.8 3.9											
		3 PH 3 Wire	41	60 80	14.7 14.1	14.5 13.8	14.1 13.5	13.9 13.2	13.6 12.9	13.2 12.6	12.9 12.2	12.7 11.8	12.3 11.4	12.0 11.0	11.5 10.5	11.1 9.6	10.6 9.6	10.1 8.4	9.6 7.4	8.8 4.9	7.8 4.8	7.4 4.9	9.8 8.5	7.0 4.4	4.8 4.1	3.9						
2 HP 4F10A20 4F10S20	26	1 PH 3 Wire	62	0 20 40																									815	352		
		3 PH 3 Wire	53	60 80		15.0 14.7	14.8 14.5	14.6 14.3	14.4 14.1	14.2 13.8	13.9 13.6	13.4 13.2	13.0 12.6	12.6 12.3	12.3 12.0	11.9 11.7	11.3 10.5	10.5 9.7	9.7	11.1 10.4	10.4 9.6	10.4 9.6	9.5 8.6	8.5 7.3	7.3 2.7							
3 HP 4F10A30 4F10S30	34	1 PH 3 Wire	79	0 20 40																									1070	462		
		3 PH 3 Wire	70	60 80		15.4 15.3	15.2 15.0	15.0 14.8	14.8 14.4	14.6 14.2	14.4 14.1	14.2 14.0	14.1 13.9	13.9 13.7	13.7 13.6	13.4 13.1	13.1 12.8	12.5 12.2	12.1 11.9	11.8 11.4	11.3 10.8	10.6 10.2	10.2 9.5	9.3 8.6	8.5 7.5	7.5 6.8						
HP Size and Model No.	Stage	Weight		Discharge Pressure PSI	DEEPEST - 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 3 Wire	36	0 20 40																									1605	695		
		3 PH 3 Wire	36	60 80																												

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																												
		3 Wire		20																												
		3 PH		40																												
		3 Wire	36	60																												
				80																												
					15.0	14.7	14.4	14.1	13.8	13.6	13.3	13.0	12.7	12.4	12.1	11.7	11.4	11.1	10.7	10.0	9.2	8.2	7.0	5.3								



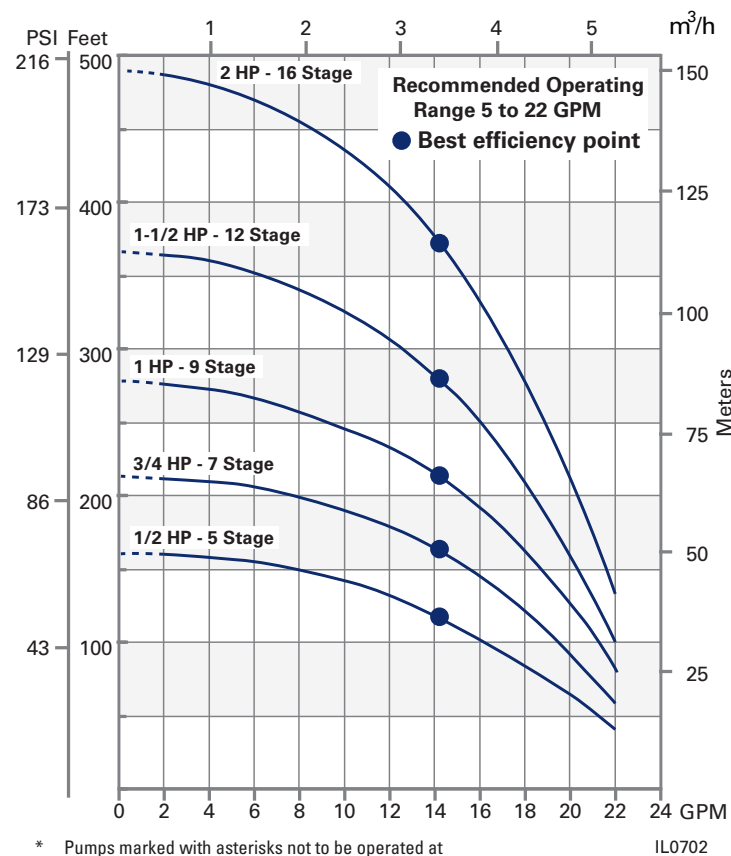
NOTE: Pipe friction loss in drop pipe is not included in chart above.
1/2 thru 2 HP, 1 PH pumps feature Flint & Walling motors.



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																										
		3 Wire		20	19.8	22.0	20.5	18.5	16.2	13.7	10.2																		159	69
		1 PH																												
		3 Wire		20	21.5	20.5	21.9	20.9	19.5	18.0	16.4	14.6	11.8	7.8															214	93
		1 PH	33	0																										
		3 Wire		40	18.5	17.0	19.1	17.6	15.9	13.8	11.8	5.8																		
		1 PH																												
		3 Wire		60	14.6	11.8	15.3	13.0	9.5																					
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2													279	121
		1 PH																												
		3 Wire		60	18.6	17.2	15.5	13.6	10.9																					
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	18.6	17.2	15.5	13.6	10.9																					
		1 PH	33	0																										
		3 Wire		40	21.6	21.0	21.8	21.2	20.5	19.7	18.8	18.0	17.1	16.1	14.7	12.9	10.5	7.3	6.4										367	159
		1 PH																												
		3 Wire		60	20.0	19.1	18.2	17.5	16.6	15.5	14.2	13.8	10.8																	
		1 PH	33	0																										
		3 Wire		40	21.6	21.0	21.8	21.2	20.5	19.7	18.8	18.0	17.1	16.1	14.7	12.9	10.5	7.3	6.4											
		1 PH																												
		3 Wire		60	20.0	19.1	18.2	17.5	16.6	15.5	14.2	13.8	10.8																	
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH	36	0																										
		3 Wire		40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														
		1 PH																												
		3 Wire		60	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6	9.2														

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.



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

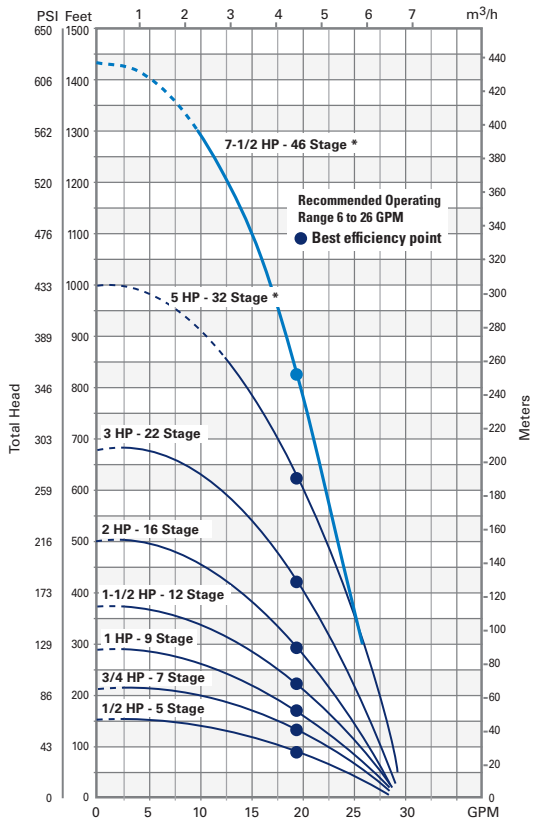


FLINT & WALLING

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 20 40	22.0 19.8 16.0	22.7 17.1 12.2	20.5 14.0 5.9	17.9 15.0 10.4	15.0 10.4	10.4																			155	67				
3/4 HP 4F19A07 4F19S07	7	1 PH 3 Wire	33	0 20 40	24.4 20.6 16.2	22.9 18.7 13.6	21.4 16.6 10.2	19.5 14.3	17.5 11.0	15.3 5.5	12.4	8.6		9.6															215	93				
		1 PH 2 Wire	33	60 80	20.6 8.0	18.7 13.6	16.6 10.2	14.3	11.0	5.5		18.2 12.4	16.0 8.6	13.3	9.6																			
1 HP 4F19A10 4F19S10	9	1 PH 3 Wire	36	0 20 40	25.2 22.5 19.5	24.0 21.2 17.9	22.9 19.8 16.4	21.7 18.4 14.5	20.4 16.8 12.2	19.0 15.2 9.6	17.4 12.8 3.5	15.6 10.4	13.7 5.6	16.2 11.4	13.7 6.2	10.7	5.0												283	122				
		1 PH 2 Wire	36	60 80	19.5 15.7	17.9 13.7	16.4 11.5	14.5 8.0	12.2	9.6	3.5																							
1-1/2 HP 4F19A15 4F19S15	12	1 PH 3 Wire	43	0 20 40		25.2 24.4 22.1	24.4 22.4 21.1	23.5 22.7 20.2	22.7 21.7 18.2	21.7 19.5 17.1	20.7 18.5 15.8	19.9 17.4 14.4	18.9 16.3 12.7	21.1 18.9 16.3	20.1 17.7 14.9	18.9 16.3 12.7	17.5 14.3 9.7	15.1 12.2 5.7	14.3 9.5	11.8 3.6	8.7								375	163				
		1 PH 2 Wire	43	40 60	24.2 22.1	23.3 21.1	22.4 20.2	21.4 19.2	20.5 18.2	19.5 17.1	18.5 15.8	17.4 14.4	16.3 12.7	14.9 10.4	13.7 5.9	12.7 6.3	9.7	5.7																
		3 PH 3 Wire	39	80	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 20 40			25.5 24.9 22.4	24.9 23.5 22.0	25.1 22.8 21.3	23.7 22.2 20.6	24.5 21.5 19.8	23.8 20.8 18.1	23.2 20.1 17.2	22.5 19.3 16.2	21.8 18.3 15.1	20.9 17.2 13.5	20.0 15.9 11.6	18.2 14.6 9.5	19.0 16.3 6.7	18.0 12.9 6.2	16.8 11.0 6.2	14.2 5.3	10.5 5.0	3.3				500	217					
		3 PH 3 Wire	49	60 80	23.9 22.4	23.3 21.8	22.7 21.1	22.0 20.3	21.3 19.6	20.6 18.9	19.8 18.1	18.3 17.2	17.4 16.2	16.3 15.1	14.8 13.5	13.2 11.6	11.3 6.7	9.2	6.2															
3 HP 4F19A30 4F19S30	22	1 PH 3 Wire	75	0 20 40				26.0 25.0 24.5	25.6 24.3 23.9	25.2 24.1 23.5	24.7 23.6 23.0	25.3 24.2 22.5	24.8 23.7 22.1	24.3 23.8 21.5	24.3 23.3 21.0	23.8 22.8 20.5	23.2 22.2 19.8	22.6 21.5 19.2	22.0 20.9 17.7	21.5 20.3 16.0	20.8 19.6 14.9	19.5 18.2 12.7	18.3 16.6 9.5	16.3 14.7 3.3	14.3 12.2 9.2	11.7 8.7	8.3		685	298				
		3 PH 3 Wire	75	60 80	25.3 24.2	24.8 23.9	24.3 23.3	23.9 22.8	23.5 22.3	23.0 21.9	22.5 21.4	22.1 20.9	21.5 20.3	21.0 20.3	20.5 19.8	19.8 19.2	18.4 17.7	17.6 16.9	16.8 15.7	14.8 13.2	12.5 9.5	9.3 3.3												
5 HP 4F19A50 4F19S50	32	1 PH 3 Wire	117	0 20 40					25.9 25.0 24.5	25.6 24.8 24.2	25.3 24.5 23.9	25.7 25.0 24.7	25.4 24.2 23.7	25.2 24.1 23.3	24.8 24.3 22.8	24.3 24.0 23.5	24.6 24.3 23.2	25.0 24.8 22.8	24.6 24.3 22.6	24.3 24.0 23.5	23.8 23.2 22.8	23.5 21.9 21.2	22.7 21.1 20.3	22.1 21.0 20.3	21.8 20.2 19.3	21.0 20.2 18.3	20.2 19.3 17.2	19.2 18.3 15.8	18.2 17.2 14.5	17.0 15.8 12.8	14.2 12.7		1000	435
		3 PH 3 Wire	80	60 80	26.0 25.7	25.8 25.3	25.5 25.1	25.2 24.8	24.8 24.5	24.2 24.2	23.9 23.8	23.5 23.5	23.2 23.2	22.8 22.8	22.5 22.5	22.2 22.2	21.7 21.7	21.3 21.3	20.8 20.8	20.4 20.4	19.4 18.4	18.4 17.3	16.2 14.7	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.	PSI				
					CAPACITIES IN GALLONS PER MINUTE																													
7-1/2 HP 4F19S75	46	3 PH 3 Wire	35	0 20 40 60 80					25.9 25.3 24.7	25.3 24.1 23.5	25.3 24.2 22.9	25.3 24.2 22.3	25.3 24.2 21.7	25.3 24.1 21.1	23.5 22.9 21.7	22.8 22.2 21.0	22.2 21.6 20.3	21.6 21.0 20.3	20.3 19.7 19.0	19.6 18.3 17.6	18.2 16.8 15.0	16.6 15.1 14.1	14.9 13.0 11.8	12.8 10.2 8.5	10.0 8.1						1420	615		

HP Size and Model No.	Stg.	Weight		Disch. Press. PSI	DEESET - 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					25.9	25.3	25.3	24.7	24.1	23.5	22.9	22.3	21.6	21.0	20.3	19.7	19.0	17.5	15.9	14.0	11.6	8.1			1420	615
				20				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	17.6	16.0	15.0	13.0	10.2					
				40				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				
				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.

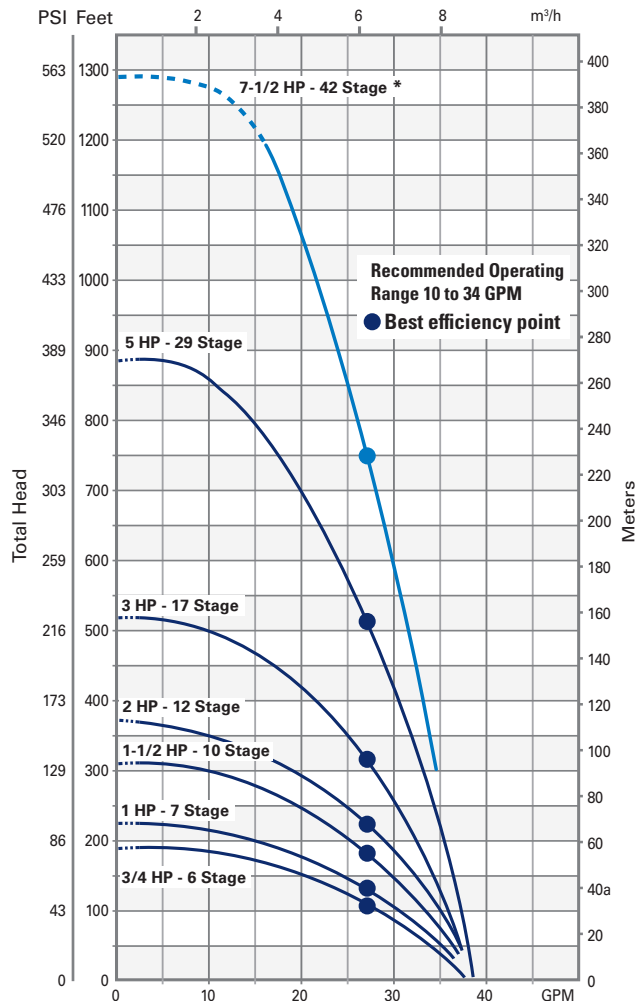
* Pumps marked with asterisks not to be operated at GPM flows indicated by the dotted line.



4" 27 GPM • 3/4 thru 7-1/2 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	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	33	0 20 40 60	32 25 17	29 22 9	32 26 18	30 23 12	27 20	24 15	21	16	5																	180	78			
1 HP 4F27A10 4F27S10	7	1 PH 3 Wire	35	0 20 40 60	33 28 22	31 25 18	34 29 26 13	32 26 19	30 24 15	27 20 5	24 17	22 10	18	13																215	93			
1-1/2 HP 4F27A15 4F27S15	10	1 PH 3 Wire	43	0 20 40 60		33 30 26	32 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	24 19 11	22 17	20 13	17	14	6											305	132			
2 HP 4F27A20 4F27S20	12	1 PH 3 Wire	44	0 20 40 60			34 31 28	33 30 26	32 30 25	33 29 23	32 27 21	31 27 19	30 26 16	28 24 12	27 22 5	25 20 13	23 18 8	21 15	18 10	9										360	156			
3 HP* 4F27A30 4F27S30	17	1 PH 3 Wire	73	0 20 40 60					34 32 30	33 31 29	34 33 28	33 32 27	33 30 26	32 28 25	31 27 24	30 28 22	29 27 21	28 26 24	27 25 19	24 21 17	21 17 12	16 10	9							515	223			
5 HP* 4F27A50 4F27S50	29	1 PH 3 Wire	116	0 20 40 60									34 33 32	34 33 31	34 33 32	33 32 30	33 32 31	32 31 29	31 30 29	30 29 28	29 27 26	27 26 24	26 24 22	24 22 21	22 20 18	20 18 16	18 15 12	15 12	880	380				
HP Size And Model No.	Stages	WEIGHT		Disch. Press. PSI	DEEPSET - DEPTH TO WATER LEVEL IN FEET																												Max. Pressure	
		Motor Type	Shp. Weight		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600	1700	Ft.	PSI			
					CAPACITIES IN GALLONS PER MINUTE																													
7-1/2 HP 4F27S75	42	3 PH 3 Wire	34	0 20 40 60 80						33.9 33.1 33.2	33.8 32.2 32.3	33.0 31.4 31.5	32.2 30.6 30.7	31.6 29.7 29.8	30.5 28.9 29.0	29.7 28.0 28.1	27.9 27.1 27.2	27.0 26.2 26.2	26.1 25.2 25.3	24.1 23.1 24.2	21.8 20.6 22.0	19.1 17.6 19.3	15.4 12.7 15.7							1282	555			

HP Size And Model No.	Stages	WEIGHT		Disch. Press. PSI	DEEPCSET - DEPTH TO WATER LEVEL IN FEET																								Max. Pressure					
		Motor Type	Shp. Weight		50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	900	1000	1100	1200	1300	1400	1500	1600	1700	Ft.	PSI			
					CAPACITIES IN GALLONS PER MINUTE																													
7-1/2 HP 4F27S75	42	3 PH 3 Wire	34	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. *For 3 HP and above, refer to motor manufacturer's handbook for proper flow rates to cool motor.



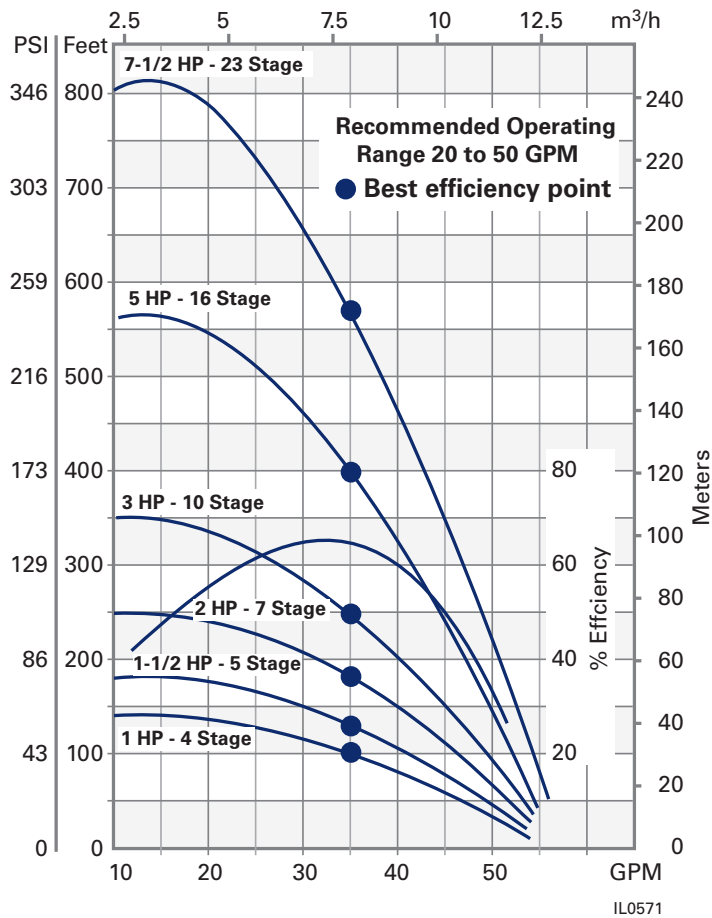
4" 35 GPM • 1 thru 7-1/2 HP • 3450 RPM • 60 Cycle

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	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 45 38	49 45 36	47 43 34	45 41 31	44 39 28	42 37 25	40 35 20	38 33 26	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	49 48 42	48 46 41	47 45 40	46 44 38	45 43 37	44 43 35	42 39 32	39 36 28	35 32 22	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 46	49 47 45	48 46 43	47 45 41	46 43 39	45 43 36	43 41 34	40 38 34	38 36 31	36 33 28	33 31 25	31 28 20	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.



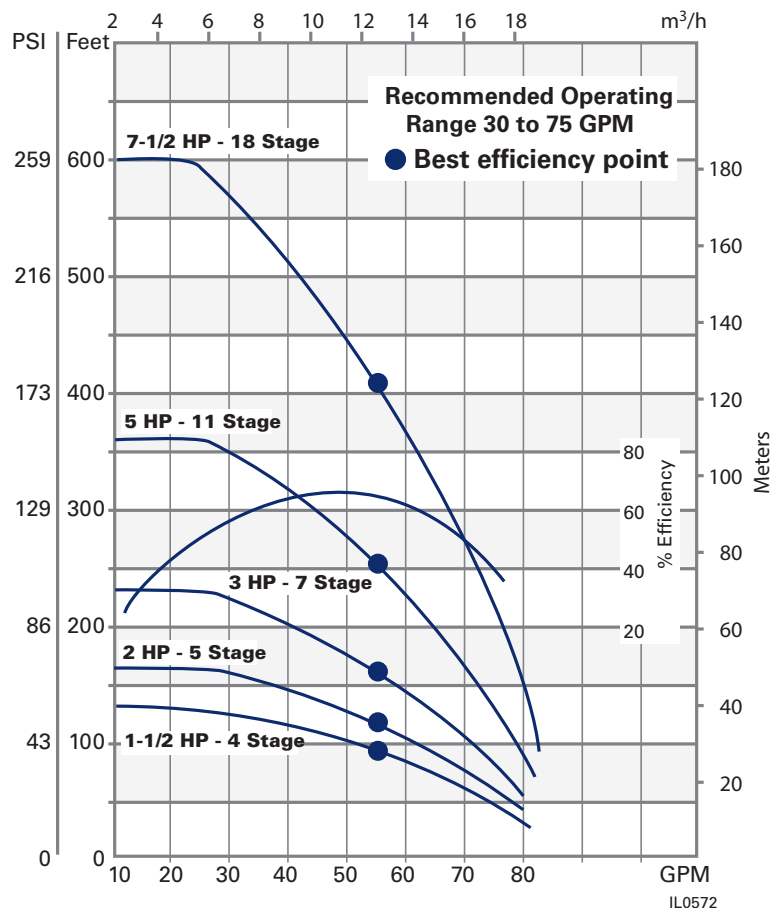
4" 55 GPM • 1-1/2 thru 7-1/2 HP • 3450 RPM • 60 Cycle

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	75 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 55 44	68 60 50 39	64 56 45 33	61 52 40 25	57 47 35	53 42 30	44 31	30				365	158	
7-1/2 HP* 4F55A75 4F55S75	18	3	28	69	0 20 40 60						72 71	73 70	75 72 68	74 70 66	72 68 61	74 71 69	73 69 67	71 66 62	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.



Stainless Steel
2" NPT



← 3.72" →

Cast Iron
2" NPT



← 3.72" →

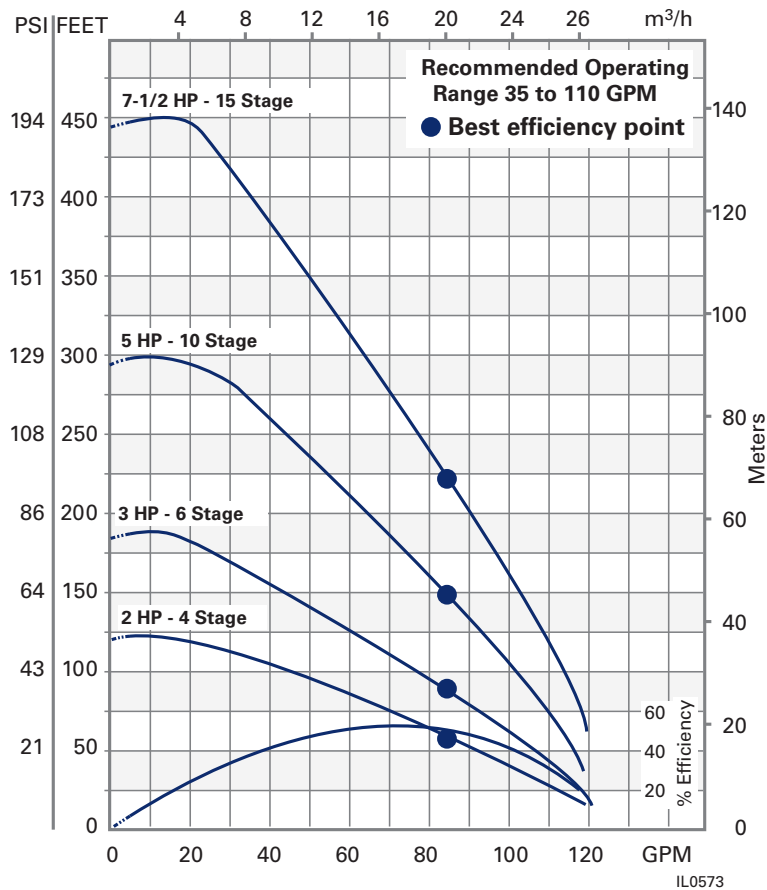
4" 85 GPM • 2 thru 7-1/2 HP • 3450 RPM • 60 Cycle

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 91 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	109 97	104 92	110 99 87	106 94 81	101 88 76	95 83 70	102 90 77 65	97 85 72 59	91 79 66 54	85 74 61 49	80 68 56 43	74 63 50 38	69 57 45 32	64 52 40 25	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.



Stainless Steel
2" NPT



← 3.72" →

Cast Iron
2" NPT



← 3.72" →



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 No.
1/2	115V / 1PH	3-Wire	700#	137426	022875
	230V / 1PH	3-Wire	700#	137428	022876
	115V / 1PH	2-Wire	700#	137412	--
	230V / 1PH	2-Wire	700#	137414	--
	230V / 3PH	3-Wire	700#	137585	--
	460V / 3PH	3-Wire	700#	137591	--
3/4	230V / 1PH	3-Wire	700#	137430	022877
	230V / 1PH	2-Wire	700#	137416	--
	230V / 3PH	3-Wire	700#	137586	--
	460V / 3PH	3-Wire	700#	137592	--
1	230V / 1PH	3-Wire	700#	137432	022878
	230V / 1PH	2-Wire	700#	137418	--
	230V / 3PH	3-Wire	700#	137587	--
	460V / 3PH	3-Wire	700#	137593	--
1 1/2	230V / 1PH	3-Wire	700#	137434	022879
	230V / 1PH	2-Wire	700#	137420	--
	200V / 3PH	3-Wire	N/A	N/A	--
	230V / 3PH	3-Wire	700#	137588	--
	460V / 3PH	3-Wire	700#	137594	--
2	230V / 1PH	3-Wire	700#	137435	025242
	200V / 3PH	3-Wire	N/A	N/A	--
	230V / 3PH	3-Wire	700#	137589	--
	460V / 3PH	3-Wire	700#	137595	--
3	230V / 1PH	3-Wire	N/A	N/A	025243
	200V / 3PH	3-Wire	N/A	N/A	--
	230V / 3PH	3-Wire	900#	137590	--
	460V / 3PH	3-Wire	900#	137596	--

N/A: Not available



Notes

[illegible]

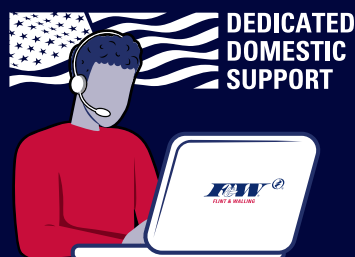


GROUNDWATER SUPPORT TEAM

Founded in 1866 on family values and hard work, we want to continue to make doing business easy. Contact our groundwater support team for any questions.

**Direct in-house Flint & Walling technical help
tailored for well drillers and pump installers.**

Family Owned. American Proud.™



Call
1.800.628.2313 or 1.260.599.8345



Email
GWTech@FlintAndWalling.com

Other questions? Let's talk.

800.584.8089 or visit FlintandWalling.com to locate a distributor near you.



Flint & Walling • 95 North Oak Street • Kendallville, In 46755 • FlintandWalling.com

© 2022 Flint & Walling, Inc. All rights reserved. Flint and Walling Inc. asserts trademark and copyright rights in the Flint & Walling logo.