



**FLINT & WALLING**

Zoeller Family of Water Solutions™

## Four-Inch Submersible Pumps

**1/2 thru 7 1/2 HP  
5 to 85 GPM**

### Series "4F"

Low, medium and high capacity submersible pumps for home, farm, industry and dozens of other domestic and commercial applications

- Stainless Steel or Cast Iron Suction and Discharge Housings
- Stainless Steel Pump Shell
- Stainless Steel Hex Drive, Pump 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, NEMA Franklin Motors



5 thru 27 GPM  
"A" Captain®  
Series with Cast  
Iron Suction  
& Discharge  
Housing

5 thru 27 GPM  
"S" Commander®  
Series with 304  
S.S. Suction  
& Discharge  
Housing

35 thru 85 GPM  
"A" Captain®  
Plus Series  
with Cast Iron  
Suction and  
Discharge  
Housing

35 thru 85 GPM  
"S" Commander®  
Plus Series with  
304 S.S. Suction  
and Discharge  
Housing





**FLINT & WALLING**

Zoeller Family of Water Solutions™

# 1/2 - 5 HP • 5, 7, 10, 15, 19 and 27 GPM



## MATERIAL CONSTRUCTION

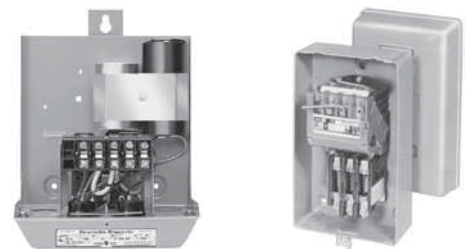
Component Description	Commander® "S" Series 5, 7, 10, 15, 19 & 27 GPM 1/2 thru 5 HP	Captain® "A" Series 5, 7, 10, 19 & 27 GPM 1/2 thru 5 HP
Discharge Head	Stainless Steel, 1-1/4" NPT, safety rope eyelet included	Cast Iron, 1-1/4" NPT, safety rope eyelet included
Check Valve Poppet	Internal removable, with elastomer sealing ring	
Top Bearing	Closed sintered lead free sleeve bearing	
Pump Shell	Heavy wall stainless steel	Heavy wall stainless steel
Cable Guard	Stainless steel	Stainless steel or Crush-proof PVC
Staging*	Noryl® impellers and diffusers; type stainless steel floating bearing inserts and acetal diffuser plates	Noryl® impellers and diffusers; type stainless steel floating bearing inserts and acetal diffuser plates
Pump Shaft*	Stainless steel hex shaft with one piece motor-to-shaft coupling	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
Motor	All pumps driven by a complete selection of Franklin Electric stainless steel two wire or three wire water lubricated motors.	
Motor Controls	Franklin Electric 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 all models. Includes all necessary parts to restore pumps to like-new performance. No special tools required. Noryl® is a registered trademark of General Electric.



## MATERIAL CONSTRUCTION

Component Description	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, 2" NPT, safety rope eyelets included	Cast Iron, 2" NPT
Check Valve Poppet	Check valve not included	Check valve not included
Top Bearing	Closed sintered lead free sleeve bearing	Closed sintered lead free sleeve bearing
Pump Shell	Heavy wall stainless steel	Heavy wall stainless steel
Cable Guard	Stainless steel	Stainless steel or Crush-proof PVC
Staging*	Noryl® impellers and diffusers; stainless steel floating bearing inserts and acetal diffuser plates	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	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
Motor	All pumps are driven by a complete selection of Franklin Electric stainless steel two wire or three wire water lubricated motors. Order motors separately.	
Motor Controls	Franklin Electric 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 all models. Includes all necessary parts to restore pumps to like-new performance. No special tools required. Noryl® is a registered trademark of General Electric.



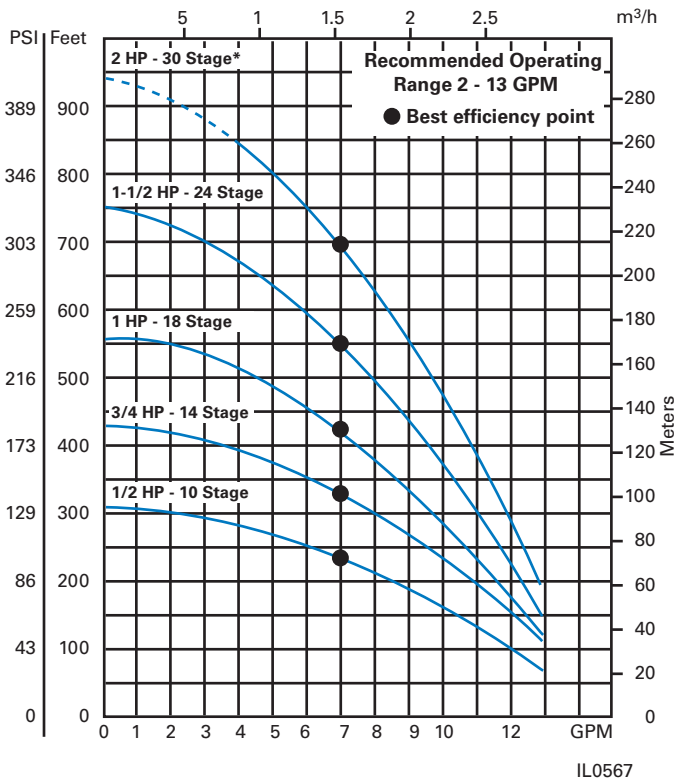
# 4" 7 GPM • 1/2 thru 2 HP • 3450 RPM • 60 Cycle



HP Size and Model No.	Stages	Weight		Disch. Press. PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE																				Maximum 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												
1/2 HP 4F07A05 4F07S05 4F07G05	10	1 PH 3 Wire	28	0																																				310	134	
				20	12.9	12.2	11.6	10.9	10.3	9.6	8.9	8.1	7.2	6.1	2.8																											
				40	11.3	10.7	10.0	9.3	8.5	7.7	6.8	5.7	4.4																													
		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 4F07G07	14	1 PH 3 Wire	33	0																																				430	186	
				20				12.7	12.4	11.9	11.5	11.0	10.5	10.0	9.4	8.7	7.9	7.1	6.2	5.2	3.7																					
				40			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 2 Wire	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																								
				80			10.0	9.5	8.9	8.2	7.7	7.1	6.5	5.4	4.4	2.7																										
1 HP 4F07A10 4F07S10 4F07G10	18	1 PH 3 Wire	37	0																																			560	242		
				20					12.0	12.7	12.3	12.0	11.7	11.3	10.9	10.6	10.1	9.7	9.2	8.7	7.8	6.9	5.9																			
				40			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	5.3	3.9																				
		1 PH 2 Wire	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	4.9																					
				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 3 Wire	51	0																																			745	322		
				20						12.8	12.6	12.3	12.1	11.8	11.6	11.3	10.9	10.5	10.2	9.8	9.5	8.7	7.9	7.0	6.0	4.7																
				40			12.2	12.0	11.7	11.5	11.2	10.9	10.6	10.2	9.9	9.6	9.2	8.8	8.4	8.0	7.1	6.1	4.9																			
		3 PH 3 Wire	46	60			11.6	11.4	11.1	10.8	10.5	10.3	9.9	9.6	9.2	8.9	8.5																									
				80			11.0	10.7	10.5	10.2	9.9	9.6	9.2	8.9	8.5																											
2 HP 4F07A20 4F07S20	30	1 PH 3 Wire	61	0																																			945	409		
				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	6.3	5.3											
				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 PH 3 Wire	51	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														
				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.

## 7 GPM • 1/2-2 HP



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





# 4" 10 & 15 GPM • 1/2 thru 3 HP • 3450 RPM • 60 Cycle

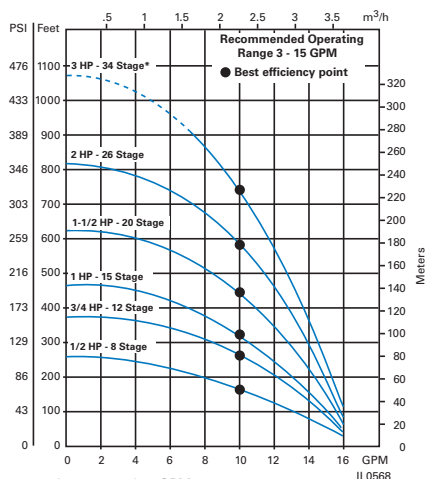
**FLINT & WALLING**

Zoeller Family of Water Solutions™

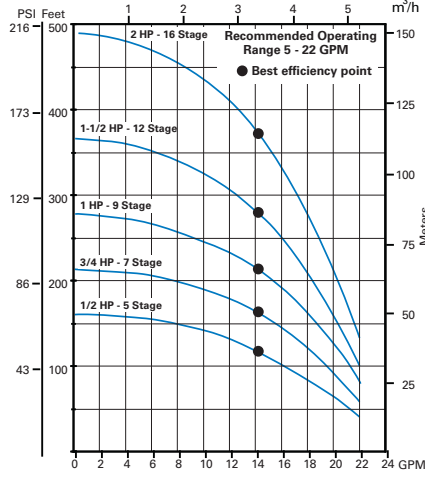
HP Size and Model No.	Stage	Weight		Discharge Pressure PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE																							Maximum Press.																																																																																																																									
		Motor Type	Ship Wt.		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																																																																																																																							
10 GPM	1/2 HP 4F10A05 4F10S05 4F10G05	8	1 PH 3 Wire	27	0	14.6	14.1	13.3	12.5	11.6	10.5	9.5	8.3	6.3	2.1												250	108																																																																																																																									
			1 PH 2 Wire	27	40	12.8	12.0	11.0	10.0	8.7	6.9	4.8																																																																																																																																									
	3/4 HP 4F10A07 4F10S07 4F10G07	12	1 PH 3 Wire	32	0	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												375	162																																																																																																																						
			1 PH 2 Wire	32	40	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 3 Wire	36	0	14.9	14.5	14.1	13.7	13.3	12.9	12.4	11.9	11.4	10.9	10.3	9.7	8.9	7.8	6.6	5.0												470	203																																																																																																																			
			1 PH 2 Wire	36	20	13.1	12.6	12.1	11.7	11.2	10.7	10.1	9.7	9.0	8.2	6.8	5.3	2.6																																																																																																																																			
	1-1/2 HP 4F10A15 4F10S15 4F10G15	20	1 PH 3 Wire	47	0	14.7	14.5	14.1	13.9	13.6	13.2	12.9	12.7	12.3	12.0	11.5	11.1	10.6	10.1	9.6	9.0	7.4	4.9												630	272																																																																																																																	
3 PH 3 Wire			41	20	14.1	13.8	13.5	13.2	12.9	12.6	12.2	11.8	11.4	11.0	10.5	10.1	9.6	9.0	8.5	8.0	7.4	6.8	6.2	5.6	5.0	4.4	3.8																																																																																																																										
2 HP 4F10A20 4F10S20	26	1 PH 3 Wire	62	0	15.3	15.0	14.8	14.6	14.4	14.2	14.0	13.9	13.8	13.7	13.6	13.4	13.3	13.2	13.0	12.9	12.8	12.7	12.6	12.5	12.4	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	
		3 PH 3 Wire	53	20	14.7	14.5	14.3	14.1	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1																					
3 HP 4F10A30 4F10S30	34	1 PH 3 Wire	79	0	15.3	15.0	14.8	14.6	14.4	14.2	14.1	14.0	13.9	13.8	13.7	13.6	13.4	13.3	13.2	13.0	12.9	12.8	12.7	12.6	12.5	12.4	12.3	12.2	12.1	12.0	11.9	11.8	11.7	11.6	11.5	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1
		3 PH 3 Wire	70	20	14.7	14.5	14.3	14.1	13.8	13.6	13.4	13.2	13.0	12.8	12.6	12.4	12.2	12.0	11.8	11.6	11.4	11.2	11.0	10.8	10.6	10.4	10.2	10.1	10.0	9.9	9.8	9.7	9.6	9.5	9.4	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1																					
15 GPM	1/2 HP 4F15S05	5	1 PH 3 Wire	28	0	19.8	17.7	15.5	12.7	8.8												159	69																																																																																																																														
			1 PH 2 Wire	28	20	14.6	11.6	7.0																																																																																																																																													
	3/4 HP 4F15S07	7	1 PH 3 Wire	33	0	21.5	20.5	21.9	20.9	19.5	18.0	16.4	14.6	11.8	7.8												214	93																																																																																																																									
			1 PH 2 Wire	33	20	18.5	17.0	15.3	13.0	9.5	9.5																																																																																																																																										
	1 HP 4F15S10	9	1 PH 3 Wire	36	0	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.2												279	121																																																																																																																									
			1 PH 2 Wire	36	20	18.6	17.2	15.5	13.6	10.9	7.7																																																																																																																																										
	1-1/2 HP 4F15S15	12	1 PH 3 Wire	33	0	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												367	159																																																																																																																					
1 PH 2 Wire			33	20	20.0	19.1	18.2	17.5	16.6	15.5	14.2	13.8	10.8	8.4																																																																																																																																							
2 HP 4F15S20	16	1 PH 3 Wire	36	0	18.1	17.2	16.2	15.1	13.9	12.2	10.1	7.5												489	212																																																																																																																												
		1 PH 2 Wire	36	20	17.6	17.0	16.2	15.5	14.6	13.6	11.9	9.9	7.5																																																																																																																																								

NOTE: Pipe friction loss in drop pipe is not included in chart above.

### 10 GPM • 1/2-3 HP



### 15 GPM • 1/2-1 HP



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

# 4" 19 GPM • 1/2 thru 5 HP • 3450 RPM • 60 Cycle



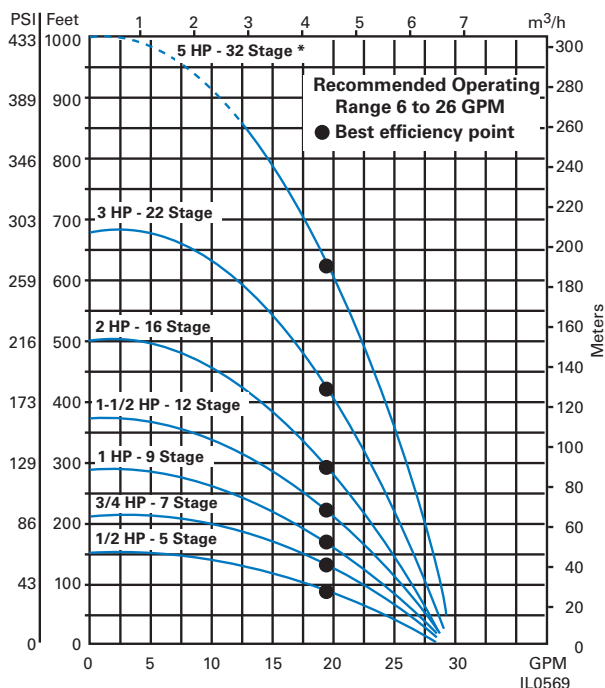
**FLINT & WALLING**

Zoeller Family of Water Solutions™

HP Size and Model No.	Stg.	Weight		Disch. Press. PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE																						Maximum 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
1/2 HP 4F19A05 4F19S05	5	1 PH 3 Wire	28	0			24.6	22.7	20.5	17.9	15.0	10.4																155	67	
		1 PH 2 Wire	28	20	22.0	19.8	17.1	14.0	11.0	8.0	5.0																			
3/4 HP 4F19A07 4F19S07	7	1 PH 3 Wire	33	0	24.4	22.9	24.6	23.3	21.7	20.0	18.2	16.0	13.3	9.6														215	93	
		1 PH 2 Wire	33	20	20.6	18.7	16.6	14.3	11.0	8.0	5.0	12.4	8.6																	
1 HP 4F19A10 4F19S10 4F19G10	9	1 PH 3 Wire	36	0	25.2	24.0	25.5	24.4	23.2	22.1	20.7	19.4	17.8	16.2	13.7	10.7	5.0											283	122	
		1 PH 2 Wire	36	20	22.5	21.2	19.8	18.4	16.8	15.2	12.8	10.4	8.6	6.2																
1-1/2 HP 4F19A15 4F19S15 4F19G15	12	1 PH 3 Wire	43	0	25.2	24.4	25.5	24.6	23.8	22.9	22.0	21.1	20.1	18.9	17.5	15.1	14.3	11.8	8.7									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	5.7													
		3 PH 3 Wire	39	40	22.1	21.1	20.2	19.2	18.2	17.1	15.8	14.4	12.7	10.4	6.3															
2 HP 4F19A20 4F19S20	16	1 PH 3 Wire	59	0	25.3	24.6	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	23.9	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	25.8	25.4	26.0	25.6	25.2	24.7	24.3	23.8	23.3	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		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	25.7	25.3	25.5	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	17.3	16.2	14.7	12.9	11.2	1000	435	
		3 PH 3 Wire	80	20	26.0	25.8	25.5	25.2	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	17.3	16.2	14.7	12.9				

NOTE: Pipe friction loss in drop pipe is not included in chart above.

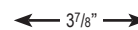
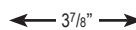
## 19 GPM • 1/2-5 HP



Stainless Steel  
1 1/4" NPT



Cast Iron  
1 1/4" NPT



\* 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



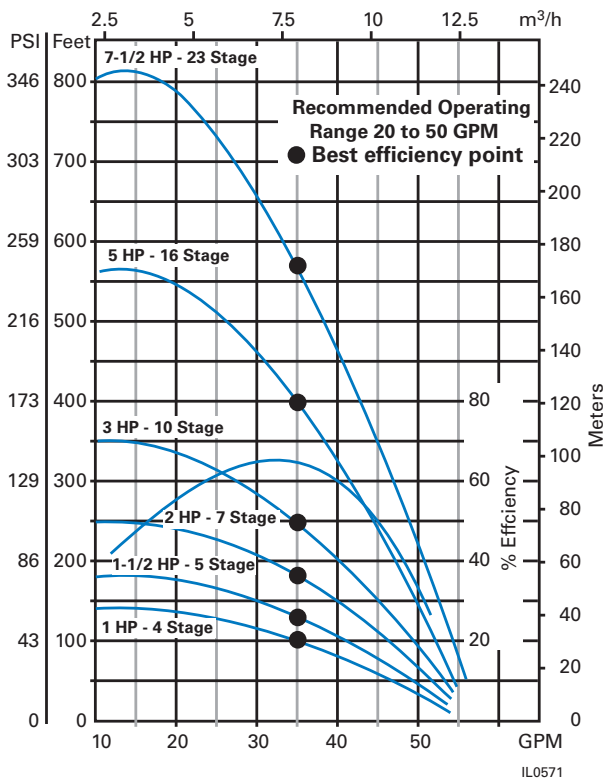
**FLINT & WALLING**

Zoeller Family of Water Solutions™

HP Size And Model No.	Stages	Phase	WEIGHT		Disch. Press. PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE																					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	600	650	700	Ft.	PSI											
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	12	28	0 20 40 60	46 38 26	43 33 15	47 39 28	43 35	40 30	36 23	31	25	10																							180	78		
		3	12	25																																				
2 HP 4F35A20 4F35S20	7	1	14	30	0 20 40 60		47 41 34	50 45 38 31	48 42 35 26	45 39 32 19	43 36 28	40 33 22	37 29	34 24	30	26	19																				245	106		
		3	14	28																																				
3 HP* 4F35A30 4F35S30	10	1	17	52	0 20 40 60			48 45 40	47 43 38	49 45 41 36	47 43 39 34	45 41 39 31	44 39 35 28	42 37 32 25	40 35 29 20	38 33 26	36 30 22	33 27 17	28 18	17																			355	154
		3	17	43																																				
5 HP* 4F35A50 4F35S50	16	1	23	69	0 20 40 60				49 48 47	50 49 46	49 47 44	48 45 43	47 44 42	46 44 41	45 42 40	44 43 38	43 41 37	42 41 35	39 36 28	36 27 22	31 27 22	26 21	20																560	245
		3	23	53																																				
7-1/2 HP* 4F35A75 4F35S75	23	3	31	69	0 20 40 60								49 48 47	49 48 47	49 48 47	48 47 46	48 47 45	47 46 43	46 45 41	45 44 39	43 41 36	40 38 34	38 36 31	36 33 28	33 31 25	31 28 20	28 24 20	28 24 20	28 24 20	28 24 20	28 24 20	28 24 20	28 24 20	810	350					

NOTE: Pipe friction loss in drop pipe is not included in chart above.  
\*For 3 HP and above, refer to Franklin handbook for proper flow rates to cool motor.

## 35 GPM • 1-7 1/2 HP



Stainless Steel 2" NPT  
Cast Iron 2" NPT



← 3 7/8" → ← 3 7/8" →



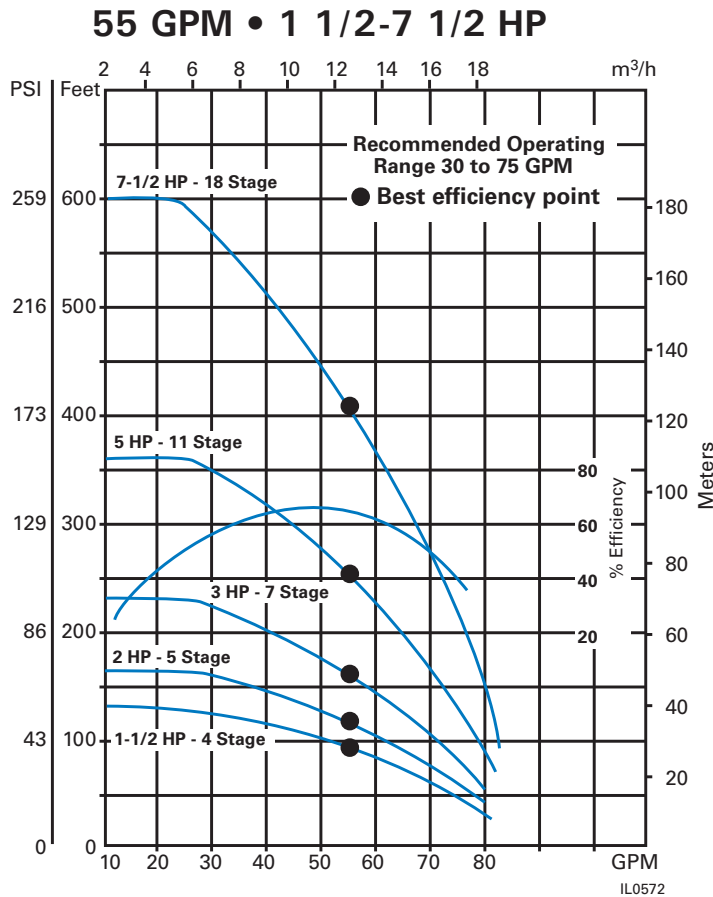
**FLINT & WALLING**

Zoeller Family of Water Solutions™

# 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 - CAPACITIES IN GALLONS PER MINUTE																				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			
1-1/2 HP 4F55A15 4F55S15	4	1	12	28	0 20 40 60	70 42	60 23	71 47	62 33	50	36														135	58			
		3	12	25																									
2 HP 4F55A20 4F55S20	5	1	14	30	0 20 40 60	74 56 30	68 45	75 59 34	69 50	61 38	51 15	42	29												165	71			
		3	14	28																									
3 HP* 4F55A30 4F55S30	7	1	16	52	0 20 40 60		75 63 48	70 57 40	65 53 32	71 59 43	66 53 34	61 46 15	55 38	47 28	39	31									235	101			
		3	16	43																									
5 HP* 4F55A50 4F55S50	11	1	19	69	0 20 40 60					73 66 58	70 63 53	74 67 49	71 64 44	68 60 39	64 56 33	61 52 25	57 47 35	53 42 30	44 31	30					365	158			
		3	19	53																									
7-1/2 HP* 4F55A75 4F55S75	18	3	28	69	0 20 40 60																				600	259			

NOTE: Pipe friction loss in drop pipe is not included in chart above. \*For 3 HP and above, refer to Franklin handbook for proper flow rates to cool motor.



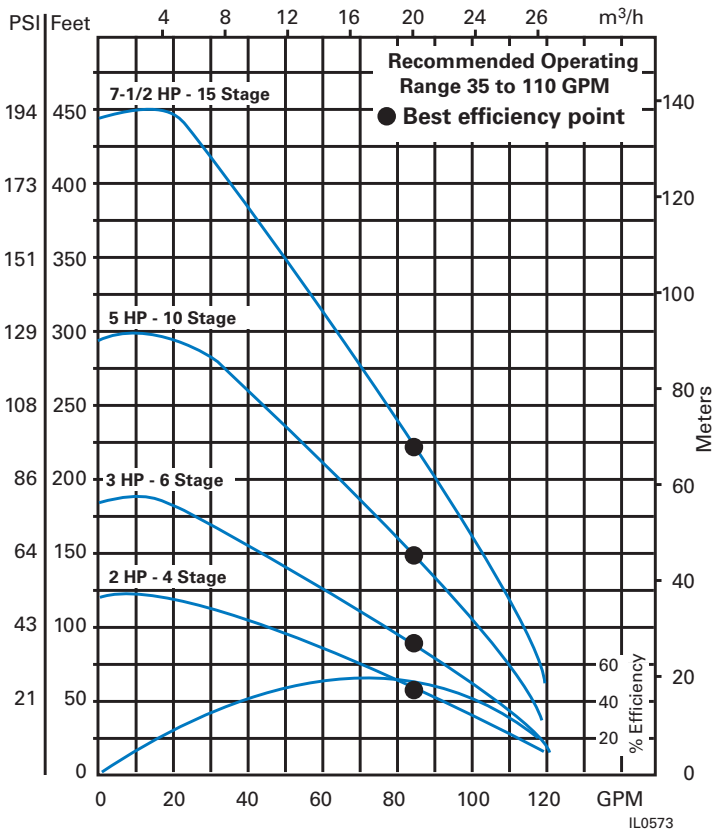
**4" 85 GPM • 2 thru 7 1/2 HP • 3450 RPM • 60 Cycle**



HP Size and Model No.	Stages	Phase	Weight		Discharge Pressure PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE																				Maximum 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		
			2 HP 4F85A20 4F85S20	4		1	13	30	0	80	105	85	64	45															
		3	13	28	20	35	60	40																					
3 HP* 4F85A30 4F85S30	6	1	15	52	0	101	88	103	91	77	63	51	38														185	80	
		3	15	43	20	70	56	75	61	48	34																		
5 HP* 4F85A50 4F85S50	10	1	20	69	0	108	102	110	103	95	87	79	71	63	55	48	40	32										300	130
		3	20	53	20	81	73	83	75	67	59	51	43	36	25														
7-1/2 HP* 4F85A75 4F85S75	15	3	27	69	0			110	106	101	106	102	97	91	85	80	74	69	64	59	53	48	43	38				450	195
					20	109	104	99	94	88	83	77	72	66	61	56	50	45	40	34	27	36	30						
					40			87	81	76		70	65	59	54	49	43	38	32	25									
					60	103	97	92	87	81	76																		

NOTE: Pipe friction loss in drop pipe is not included in chart above. \*For 3 HP and above, refer to Franklin handbook for proper flow rates to cool motor.

**85 GPM • 2-7 1/2 HP**



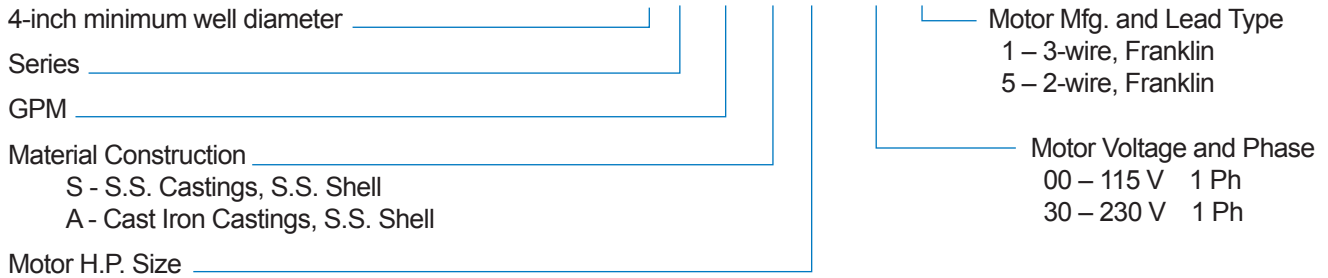


**FLINT & WALLING**

Zoeller Family of Water Solutions™

Model No. Code                      5 thru 27 GPM

4 F 10 A 05 - 30 1

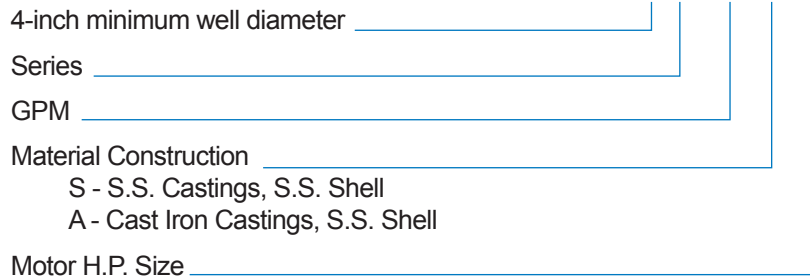


1/2 - 1-1/2 HP Single phase pump and motor assembly includes pump/motor unit with motor leads.  
Order control box for 3-wire units separately.

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.

Model No. Code                      35, 55 & 85 GPM

4 F 35 A 20



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.

**4" FRANKLIN SUBMERSIBLE MOTORS & CONTROL BOXES**

HP Rating	Voltage & Phase	Motor Type	Motor Thrust Rating	Motor Order Number	Control Box Order Number
1/2	115V/1PH	3-Wire	300#	137426	127185
	230V/1PH	3-Wire	300#	137428	127189
	115V/1PH	2-Wire	300#	137412	
	230V/1PH	2-Wire	300#	137414	
3/4	230V/1PH	3-Wire	300#	137430	127197
	230V/1PH	2-Wire	300#	137416	
1	230V/1PH	3-Wire	650#	137432	126319
	230V/1PH	2-Wire	650#	137418	
1-1/2	230V/1PH	3-Wire	650#	137434	133589
	230V/1PH	2-Wire	650#	137420	
	200V/3PH	3-Wire	650#	137457	
	230V/3PH	3-Wire	650#	137458	
	460V/3PH	3-Wire	650#	137460	

HP Rating	Voltage & Phase	Motor Type	Motor Thrust Rating	Motor Order Number	Control Box Order Number
2	230V/1PH	3-Wire	650#	137435	137224+ 126321++
	200V/3PH	3-Wire	650#	137461	
	230V/3PH	3-Wire	650#	137462	
	460V/3PH	3-Wire	650#	137464	
3	230V/1PH	3-Wire	900#	139422	136800+ 126322++
	200V/3PH	3-Wire	900#	139423	
	230V/3PH	3-Wire	900#	139424	
	460V/3PH	3-Wire	900#	139425	
5	230V/1PH	3-Wire	1500#	137456	135269+ 137225++
	200V/3PH	3-Wire	1500#	137469	
	230V/3PH	3-Wire	1500#	137470	
	460V/3PH	3-Wire	1500#	137472	
	200V/3PH	3-Wire	1500#	137473	
7-1/2	230V/3PH	3-Wire	1500#	137474	
	460V/3PH	3-Wire	1500#	137476	

++Standard control box.