



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 or 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



Made in U.S.A.



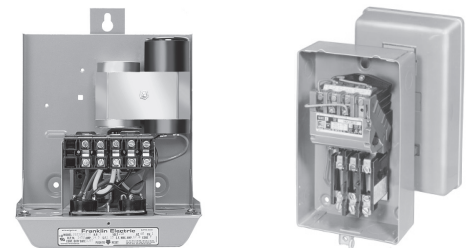


MATERIAL CONSTRUCTION

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 putre 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. Furnas magnetic starters and heaters available for three phase units. Order controls separately.	

* 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.

1 - 7 1/2 HP • 35, 55 and 85 GPM



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. Furnas magnetic starters and heaters available for three phase units. Order motor and controls separately.	
* 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.		

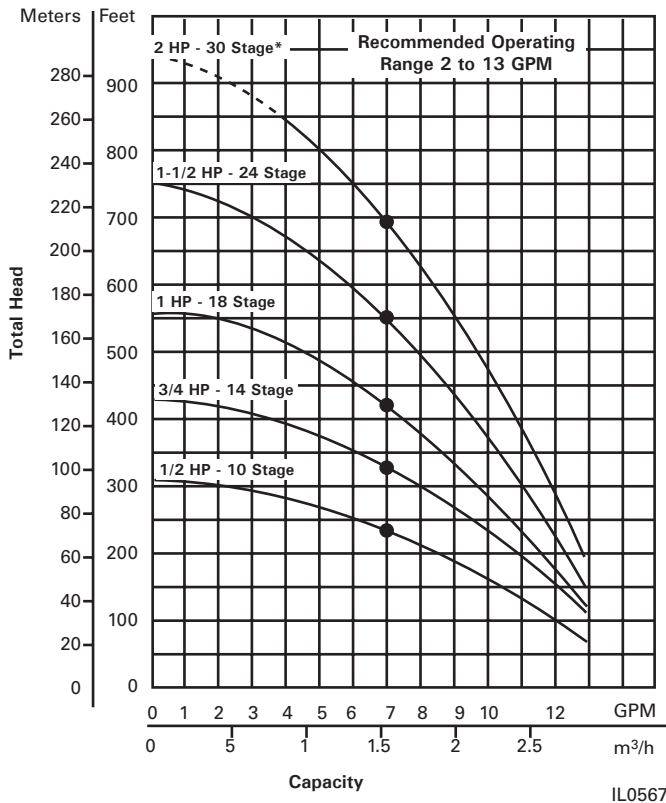
4" 7 GPM • 1/2 thru 2 HP • 3450 RPM • 60 Cycle



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	13.0	12.4	11.7	11.0	10.4	9.8	9.0	8.2	7.2	5.8	4.2	2.1																										
		1 PH 2 Wire	28	40	11.3	10.7	10.0	9.3	8.5	7.7	6.8	5.7	4.4	2.8																													
			60	8.1	9.8	9.1	8.3	7.5	6.5	5.3	4.0	2.3																															
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																								
		1 PH 2 Wire	33	40	11.2	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																									
			60	8.1	11.2	10.7	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																																				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	7.5	6.3	4.7	2.1																					
		1 PH 2 Wire	37	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	4.7	2.1																							
			60	8.1	10.8	11.0	10.7	10.3	9.9	9.6	9.2	8.8	8.3	7.7	7.1	6.5	5.8	4.9	2.5																								
1-1/2 HP 4F07A15 4F07S15	24	1 PH 3 Wire	51	0																																				745	322		
			20																																								
		1 PH 2 Wire	51	40																																							
			60	8.1	12.8	12.6	12.3	12.1	11.8	11.6	11.3	10.9	10.6	10.2	9.9	9.6	9.2	8.8	8.4	8.0	7.1	6.1	4.9	3.3																			
2 HP 4F07A20 4F07S20	30	1 PH 3 Wire	61	0																																				945	409		
			20																																								
		3 PH 3 Wire	51	40																																							
			60	8.1	12.8	12.6	12.3	12.1	11.8	11.6	11.3	10.9	10.6	10.2	9.9	9.6	9.2	8.8	8.4	8.0	7.1	6.1	4.9	3.3																			

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

7 GPM • 1/2-2 HP



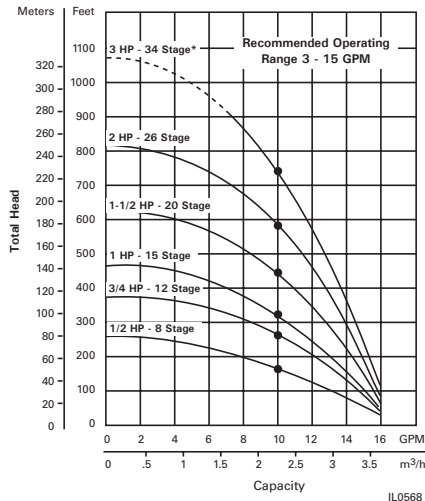
- * Pumps marked with asterisks not to be operated at GPM flows indicated by dotted lines.
- Best efficiency point.

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

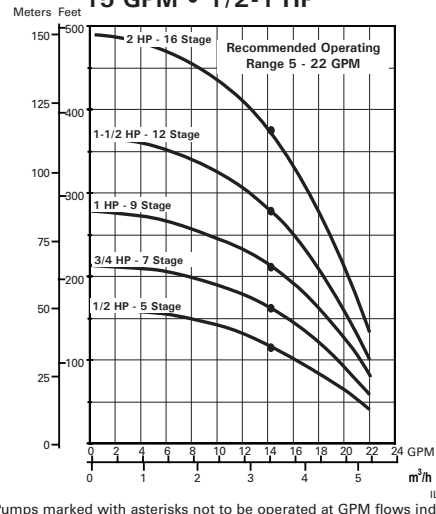
HP Size and Model No.	Stage	Weight		Discharge Pressure PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE																				Maximum Press.												
		Motor Type	Ship Wt.		20	40	60	80	100	120	140	160	180	200	225	250	275	300	350	400	450	500	550	600	650	700	800	900	Ft.	PSI							
10 GPM	8	1 PH 3 Wire	27	0	14.6	14.1	13.3	12.5	13.4	12.6	11.7	10.8	9.7	8.3	6.3	2.1											250	108									
			40	12.8	12.0	11.0	10.0	8.7	6.9	4.8																											
		1 PH 2 Wire	27	40	10.9	9.9	8.6	6.7	4.5																												
			80	7.8	4.9	3.6																															
	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											375	162									
			40	14.3	13.8	13.3	12.8	12.4	11.4	11.0	10.5	9.6	8.9	7.9	6.1																						
		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																						
			80	11.9	11.4	10.6	10.0	9.3	8.4	7.4	6.2	3.8																									
	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	9.5	8.6	7.9	7.8	6.6	5.0											470	203				
			40	14.9	14.5	14.1	13.7	13.3	12.9	12.4	11.9	11.4	10.9	10.3	9.5	8.6	7.9	7.8	6.6	5.0																	
		1 PH 2 Wire	36	40	13.1	12.6	12.1	11.7	11.2	10.7	10.1	9.7	9.0	8.2	6.8	5.3																					
			80	13.1	12.6	12.1	11.7	11.2	10.7	10.1	9.7	9.0	8.2	6.8	5.3																						
20	1 PH 3 Wire	47	0	14.7	14.5	14.8	14.5	14.9	14.6	14.3	14.1	13.8	13.4	13.0	12.7	12.4	11.9	11.5	11.0	10.0	8.6	7.1	4.4											630	272		
		40	14.7	14.5	14.8	14.5	14.9	14.6	14.3	14.1	13.8	13.4	13.0	12.7	12.4	11.9	11.5	11.0	10.0	8.6	7.1	4.4															
	1 PH 2 Wire	47	40	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	7.4	4.9																		
		80	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	7.4	4.9																			
26	1 PH 3 Wire	62	0	14.7	14.5	14.8	14.6	14.4	14.2	13.9	13.6	13.4	13.2	12.9	12.6	12.3	12.0	11.5	11.1	10.6	10.1	8.8	7.3	4.8											815	352	
		40	14.7	14.5	14.8	14.6	14.4	14.2	13.9	13.6	13.4	13.2	12.9	12.6	12.3	12.0	11.5	11.1	10.6	10.1	8.8	7.3	4.8														
	3 PH 3 Wire	53	40	15.3	15.0	14.8	14.6	14.4	14.2	14.1	14.0	13.9	13.7	13.6	13.4	13.2	12.9	12.6	12.3	11.9	11.3	10.5	9.7														
		80	15.3	15.0	14.8	14.6	14.4	14.2	14.1	14.0	13.9	13.7	13.6	13.4	13.2	12.9	12.6	12.3	11.9	11.3	10.5	9.7															
34	1 PH 3 Wire	79	0	15.3	15.0	15.4	15.2	15.0	14.8	14.6	14.4	14.3	14.2	14.1	13.9	13.7	13.4	13.1	12.8	12.2	11.9	11.4	10.8	9.3	7.5											1070	462
		40	15.3	15.0	15.4	15.2	15.0	14.8	14.6	14.4	14.3	14.2	14.1	13.9	13.7	13.4	13.1	12.8	12.2	11.9	11.4	10.8	9.3	7.5													
	3 PH 3 Wire	70	40	15.3	15.0	15.4	15.2	15.0	14.8	14.6	14.4	14.3	14.2	14.1	13.9	13.7	13.4	13.1	12.8	12.2	11.9	11.4	10.8	9.3	7.5												
		80	15.3	15.0	15.4	15.2	15.0	14.8	14.6	14.4	14.3	14.2	14.1	13.9	13.7	13.4	13.1	12.8	12.2	11.9	11.4	10.8	9.3	7.5													
15 GPM	5	1 PH 3 Wire	28	0	19.8	17.7	15.5	12.7	8.8											159	69																
			40	14.6	11.6	7.0																															
	7	1 PH 3 Wire	33	0	21.5	20.5	19.1	17.6	15.9	13.8	11.8	5.8											214	93													
			40	18.5	17.0	15.3	13.0	9.5	9.5																												
		1 PH 2 Wire	33	40	14.6	11.8	8.1																														
			80	14.6	11.8	8.1																															
	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	9.8	4.6											279	121										
			40	21.4	20.4	21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6																							
		1 PH 2 Wire	36	40	18.6	17.2	15.5	13.6	10.9	7.7																											
			80	15.0	12.6	10.0	6.3																														
	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							
			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																				
1 PH 2 Wire		33	40	20.0	19.1	18.2	17.5	16.6	15.5	14.2	13.8	10.8	8.4																								
		80	18.1	17.2	16.2	15.1	13.9	12.2	10.1	7.5																											
16	1 PH 3 Wire	36	0	21.7	21.2	21.8	21.2	20.6	20.0	19.3	18.8	18.1	17.4	16.5	15.8	14.8	13.2	11.7	9.7											489	212						
		40	21.7	21.2	21.8	21.2	20.6	20.0	19.3	18.8	18.1	17.4	16.5	15.8	14.8	13.2	11.7	9.7																			
	1 PH 2 Wire	36	40	19.2	18.5	17.9	17.2	16.5	15.8	14.8	13.2	11.7	9.7																								
		80	17.6	17.0	16.2	15.5	14.6																														

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.
• Best efficiency point.

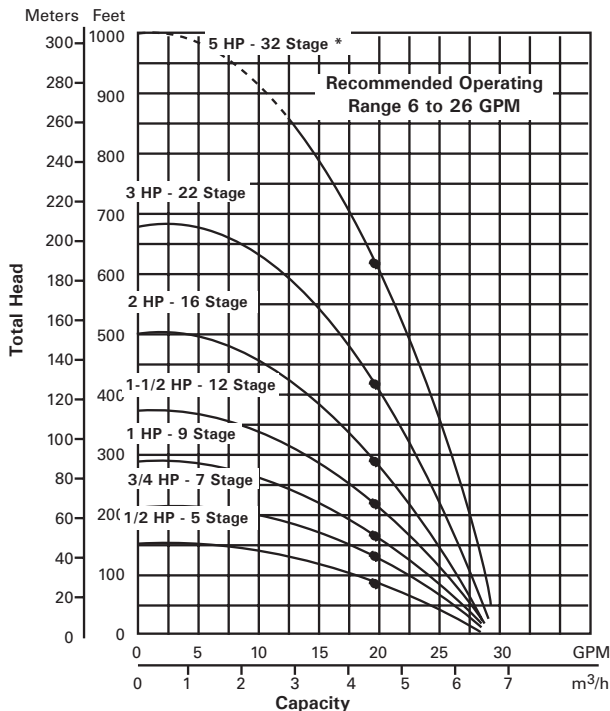
4" 19 GPM • 1/2 thru 5 HP • 3450 RPM • 60 Cycle



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	22.0	24.6	22.7	20.5	17.9	15.0	10.4																	155	67	
		1 PH 2 Wire	28	40	16.0	12.2																								
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	40	16.2	13.6	10.2																							
1 HP 4F19A10 4F19S10 4F19G10	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	40	15.7	13.7	11.5	8.0																						
1-1/2 HP 4F19A15 4F19S15	12	1 PH 3 Wire	43	0				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										
		1 PH 2 Wire	43	40	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	60	19.9	18.8	17.8	16.7	15.4	13.7	11.9	9.2	5.9																	
2 HP 4F19A20 4F19S20	16	1 PH 3 Wire	59	0				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	3.3						
		3 PH 3 Wire	49	40	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									
3 HP 4F19A30 4F19S30	22	1 PH 3 Wire	75	0				26.0	25.6	25.2	24.7	24.3	23.8	23.3	22.8	22.2	21.5	20.9	20.3	19.6	18.2	16.6	14.7	12.2	9.2					
		3 PH 3 Wire	75	40	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				25.9	25.6	25.3	25.0	24.7	24.4	24.1	23.7	23.2	22.8	22.4	21.9	21.2	20.3	19.3	17.2	15.8	14.5	12.7				
		3 PH 3 Wire	80	40	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				

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



3 7/8"

Cast Iron
1 1/4" NPT



3 7/8"

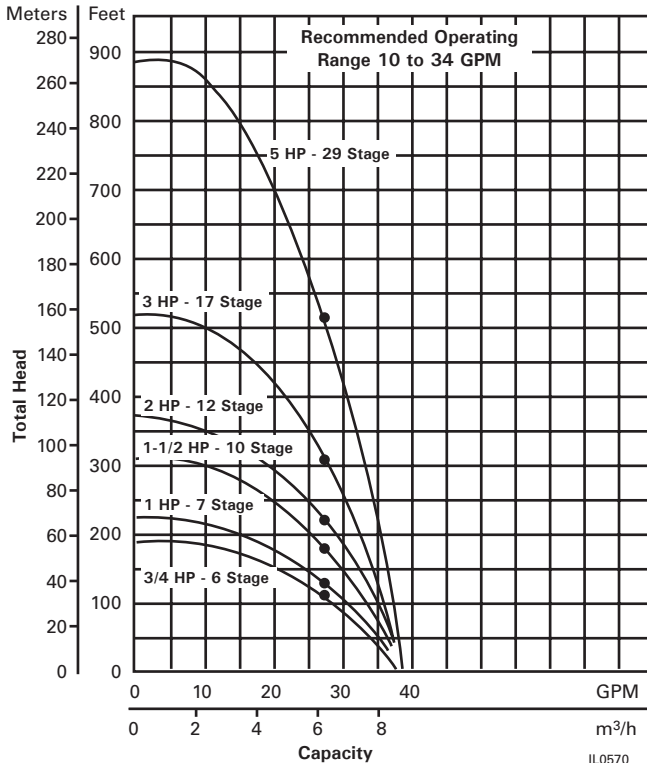
- * Pumps marked with asterisks not to be operated at GPM flows indicated by the dotted line.
- Best efficiency point.

4" 27 GPM • 3/4 thru 5 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	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										
3/4 HP 4F27A07 4F27S07	6	1 PH 3 Wire	33	0	32	29	26	23	20	18	16	14	12	10	9	8	7	6	5	4	3	2	1	1	1	1	1	1	180	78											
		1 PH 2 Wire	33	40	25	17	32	25	18	12	9	8	7	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1													
1 HP 4F27A10 4F27S10 4F27G10	7	1 PH 3 Wire	35	0	33	31	29	26	24	20	17	15	13	11	10	9	8	7	6	5	4	3	2	1	1	1	1	1	1	1	215	93									
		1 PH 2 Wire	35	20	28	22	34	25	19	15	12	10	8	7	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1												
1-1/2 HP 4F27A15 4F27S15	10	1 PH 3 Wire	43	0	31	30	28	27	25	23	21	19	18	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	1	1	305	132								
		1 PH 2 Wire	43	20	30	28	27	25	23	21	19	18	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	1	1	1										
		3 PH 3 Wire	38	40	28	24	34	27	20	18	15	14	13	11	10	9	8	7	6	5	4	3	2	1	1	1	1	1	1	1	1										
2 HP 4F27A20 4F27S20	12	1 PH 3 Wire	44	0	34	33	32	30	29	27	26	24	22	20	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	360	156							
		3 PH 3 Wire	46	20	31	28	33	26	25	23	21	19	18	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	1	1	1									
		3 PH 2 Wire	46	40	28	24	34	27	20	18	15	14	13	11	10	9	8	7	6	5	4	3	2	1	1	1	1	1	1	1	1	1									
3 HP* 4F27A30 4F27S30	17	1 PH 3 Wire	73	0	34	33	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	515	223
		3 PH 3 Wire	73	20	32	30	33	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	1	1			
5 HP* 4F27A50 4F27S50	29	1 PH 3 Wire	116	0	34	33	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	880	380
		3 PH 3 Wire	80	20	32	30	33	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	1	1	1		
		3 PH 2 Wire	80	40	28	24	34	27	20	18	15	14	13	11	10	9	8	7	6	5	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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.

27 GPM • 3/4-5 HP



● Best efficiency point.

Stainless Steel

Cast Iron

1 1/4" NPT

1 1/4" NPT



← 3 7/8" →

← 3 7/8" →

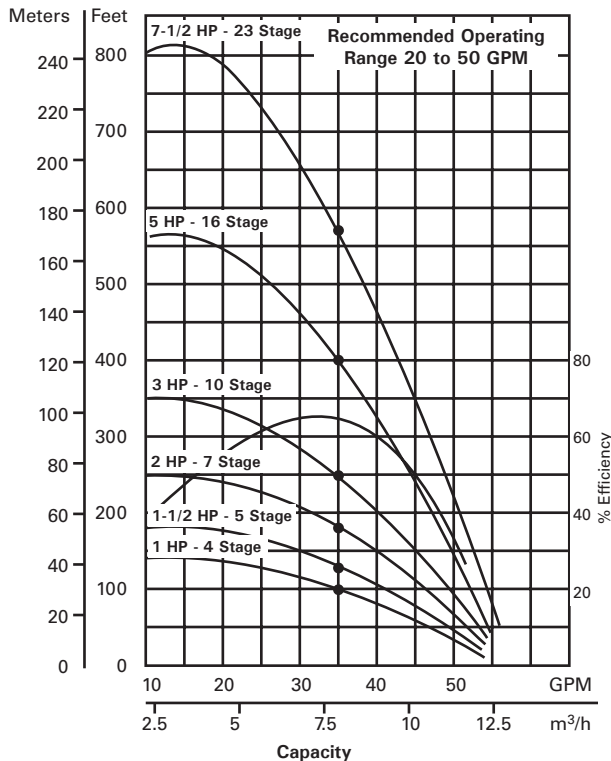
4" 35 GPM • 1 thru 7 1/2 HP • 3450 RPM • 60 Cycle



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



● Best efficiency point.

Stainless Steel 2" NPT Cast Iron 2" NPT



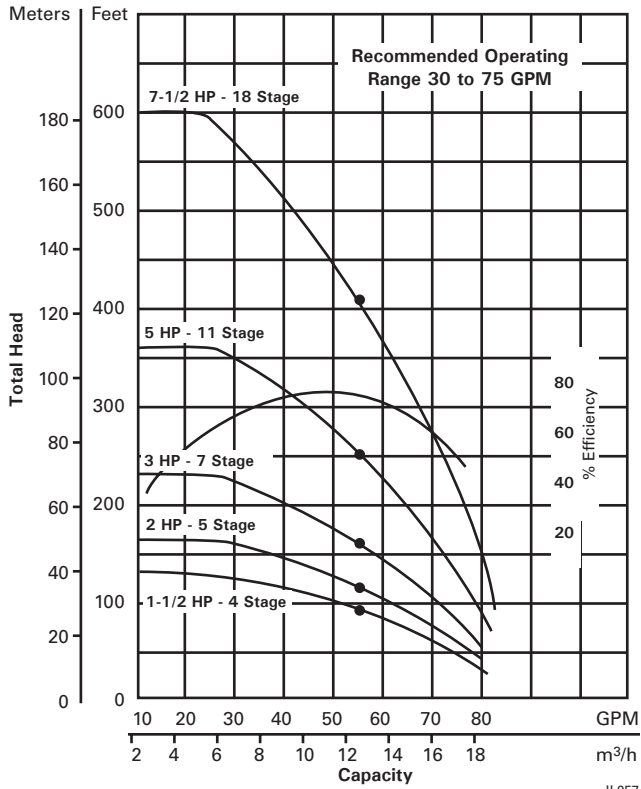
← 37/8" → ← 37/8" →

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	75 65 32	71 59 43	66 53 34	61 46 15	42	29																					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						75 71	73 70	75 66	74 68	72 66	74 61	73 69	71 62	66 57	62 50	56 42	49 35	41 25	33 20	30								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.

55 GPM • 1 1/2-7 1/2 HP



Stainless Steel
2" NPT

Cast Iron
2" NPT



← 37/8" → ← 37/8" →

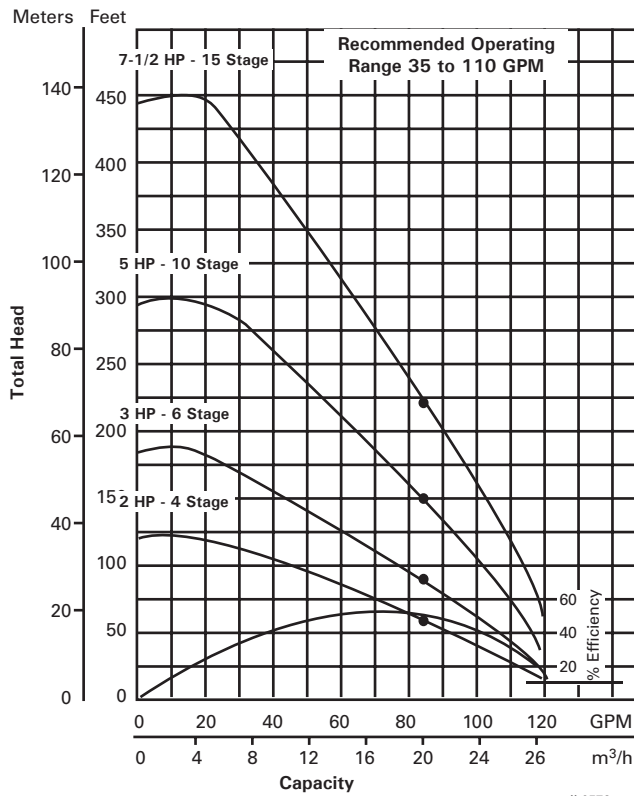
4" 85 GPM • 2 thru 7 1/2 HP • 3450 RPM • 60 Cycle



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 20 40 60	80 35	105 60	85 40	64	45																	120	52	
3 HP* 4F85A30 4F85S30	6	1	15	52	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	20	69	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 62 33	79 62 43 20	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	109 97	109 97	104 92	110 99 87	106 94 81	101 88 76	106 95 83 70	102 90 77 65	97 85 72 59	91 79 66 49	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 Franklin handbook for proper flow rates to cool motor.

85 GPM • 2-7 1/2 HP



● Best efficiency point.

Stainless Steel
2" NPT

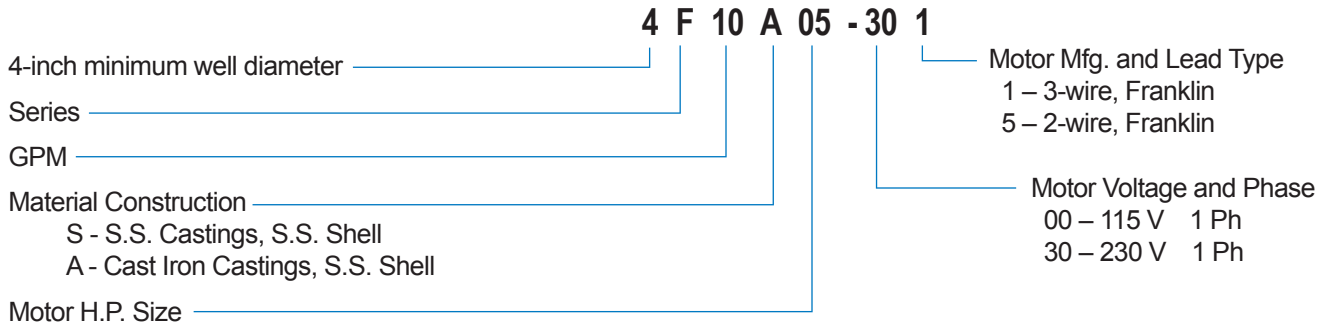
Cast Iron
2" NPT



← 37/8" → ← 37/8" →



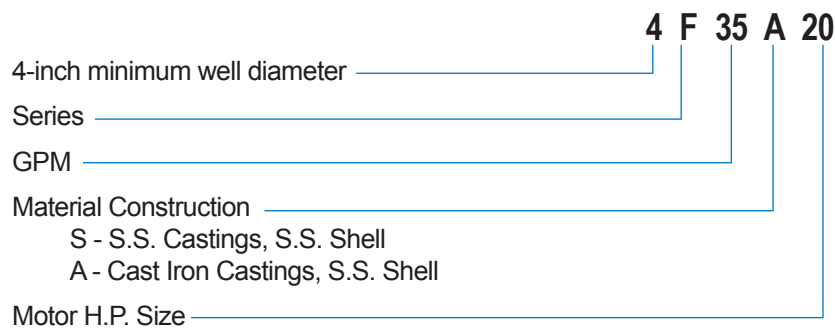
Model No. Code 5 thru 27 GPM



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 or magnetic starter separately. Lead wire assembly included with motor.

Model No. Code 35, 55 & 85 GPM



On 35, 55 & 85 GPM units order pump, motor and control box or magnetic starter and heaters separately. Lead wire assembly included with motor.

4" FRANKLIN SUBMERSIBLE MOTORS, CONTROL BOXES & MAGNETIC STARTERS

HP Rating	Voltage & Phase	Motor Type	Motor Thrust Rating	Motor Ordering Number	Control Box & Magnetic Starters*	Heaters Order 3
					Ordering Number	Ordering 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	139324	130274
	230V/3PH	3-Wire	650#	137458	139324	130272
	460V/3PH	3-Wire	650#	137460	139325	134872

*Class 16 Magntic Starters. Motors include lead wire.

HP Rating	Voltage & Phase	Motor Type	Motor Thrust Rating	Motor Ordering Number	Control Box & Magnetic Starters*	Heaters Order 3
					Ordering Number	Ordering Number
2	230V/1PH	3-Wire	650#	137435	137224+ 126321++	
	200V/3PH	3-Wire	650#	137461	139324	133010
	230V/3PH	3-Wire	650#	137462	139324	130274
	460V/3PH	3-Wire	650#	137464	139325	130275
3	230V/1PH	3-Wire	900#	139422	136800+ 126322++	
	200V/3PH	3-Wire	900#	139423	139324	130282
	230V/3PH	3-Wire	900#	139424	139324	130276
	460V/3PH	3-Wire	900#	139425	139325	130277
5	230V/1PH	3-Wire	1500#	137456	135269+ 137225++	
	200V/3PH	3-Wire	1500#	137469	139324	133016
	230V/3PH	3-Wire	1500#	137470	139324	133016
	460V/3PH	3-Wire	1500#	137472	139325	130280
7-1/2	200V/3PH	3-Wire	1500#	137473	139324	130288
	230V/3PH	3-Wire	1500#	137474	139324	133020
	460V/3PH	3-Wire	1500#	137476	139325	133013

*Class 16 Magntic Starters. Motors include lead wire. +Deluxe control box -- includes magnetic contactor. Recommended for water systems which utilize pressure switch.
 ++Standard control box.

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