Four-Inch Submersible Pumps

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

Series "EL" Elite
Low, medium and high capacity submersible pumps for home, farm industry and dozens of other domestic or commercial applications

- **Stainless Steel 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**

C US
UL Std. No. 778

5 thru 27 GPM
"E" Elite Series with 304 S.S. Suction & Discharge Housing

35 thru 85 GPM
"E" Elite Plus Series with 304 S.S. Suction and Discharge Housing

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ELITE™
Zoeller Family of Water Solutions™

1/2 - 7-1/2 HP

5, 7, 10, 15, 19 and 27 GPM

1 - 7 1/2 HP • 35, 55 and GPM

MATERIAL CONSTRUCTION

Component Description	Elite "E" Series 5, 7, 10, 15, 19 & 27 GPM 1/2 thru 5 HP	Elite "E" Series Hi Cap 35, 55 & 85 GPM 1 thru 7-1/2 HP
Discharge Head	Stainless Steel, 1-1/4" NPT, safety rope eyelet included	Stainless Steel, 2" NPT, safety rope eyelets included
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
Pump Shell	Heavy wall stainless steel	Heavy wall stainless steel
Cable Guard	Stainless steel	Stainless steel
Staging*	Noryl® impellers and diffusers; type 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, stainless steel 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.	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.
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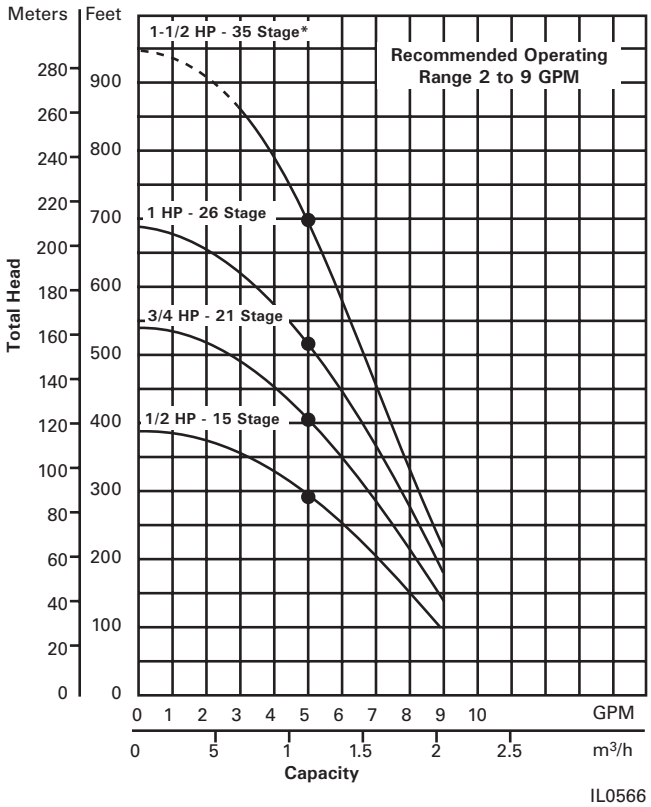
4” 5 GPM • 1/2 thru 1 1/2 HP • 3450 RPM • 60 Cycle

ELITE™ Zoeller Family of Water Solutions™

HP Size and Model No.	Stages	Weight: Motor Type	Weight: Ship Wt.	Disch. Pressure PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE: 20	40	60	80	100	120	140	160	180	200	225	250	275	300	325	350	400	450	500	550	600	650	700	800	Maximum Pressure: Ft.	Maximum Pressure: PSI
1/2 HP EL05S05	15	1 PH 3 Wire	29	0					8.9	8.5	8.2	7.8	7.4	7.0	6.5	5.9	5.3	4.7	4.0	3.2									390	168
				20			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											
				40		8.3	7.9	7.5	7.1	6.7	6.3	5.9	5.4	4.9	4.2	3.5	2.4													
		1 PH 2 Wire	29	60		7.5	7.1	6.7	6.2	5.8	5.3	4.8	4.2	3.6	2.7															
				80		6.5	6.1	5.6	5.1	4.6	4.0	3.4	2.6	1.2																
Shut-off PSI						151	142	134	125	116	108	99	90	82	71	60	49	38	28	17										
3/4 HP EL05S07	21	1 PH 3 Wire	35	0							8.9	8.7	8.4	8.2	7.8	7.5	7.2	6.8	6.5	6.1	5.2	4.2	2.9						550	238
				20					8.8	8.6	8.3	8.1	7.8	7.5	7.2	6.9	6.5	6.1	5.7	5.3	4.3	3.0								
				40			8.7	8.5	8.2	8.0	7.7	7.5	7.2	6.9	6.5	6.2	5.7	5.3	4.9	4.4	3.1									
		1 PH 2 Wire	35	60			8.2	7.9	7.7	7.4	7.1	6.8	6.5	6.2	5.8	5.4	4.9	4.5	3.9	3.3	1.3									
				80			7.6	7.3	7.0	6.7	6.4	6.1	5.9	5.5	5.1	4.5	4.0	3.3	2.6	1.5										
Shut-off PSI							212	203	194	186	177	168	160	151	140	129	119	108	97	86	64	43	21							
1 HP EL05S10	26	1 PH 3 Wire	43	0									8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.1	6.5	5.9	5.3	4.5	3.6	2.3			695	300
				20						9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.2	6.9	6.6	6.0	5.3	4.6	3.7	2.4					
				40					8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	6.9	6.7	6.3	6.0	5.4	4.6	3.7	2.5						
		1 PH 2 Wire	43	60				8.5	8.3	8.1	7.9	7.7	7.5	7.2	7.0	6.7	6.4	6.1	5.8	5.5	4.7	3.8	2.7							
				80				8.0	7.8	7.6	7.4	7.2	7.0	6.7	6.5	6.1	5.8	5.5	5.1	4.7	3.9	2.7								
Shut-off PSI								266	257	248	240	231	222	214	203	192	181	170	160	149	127	106	84	62	41	19				
1-1/2 HP EL05S15	35	1 PH 3 Wire	55	0											8.9	8.7	8.5	8.3	8.2	8.0	7.5	7.1	6.7	6.3	5.9	5.4	5.0	4.0	950	411
				20								9.0	8.9	8.7	8.6	8.4	8.2	8.0	7.8	7.6	7.2	6.8	6.3	5.9	5.5	5.0	4.6	3.4		
		1 PH 2Wire	55	40						9.0	8.8	8.7	8.5	8.4	8.2	8.0	7.8	7.6	7.4	7.2	6.8	6.3	5.9	5.5	5.1	4.6	4.1			
				60					8.8	8.6	8.5	8.4	8.2	8.0	7.9	7.7	7.5	7.3	7.0	6.8	6.4	6.0	5.6	5.0	5.1	4.6	4.1			
		3 PH 3 Wire	52	80					8.5	8.1	8.2	8.0	7.8	7.7	7.5	7.3	7.1	6.8	6.6	6.4	6.0	5.6	5.1	4.7	4.1	3.5				
Shut-off PSI									367	359	350	341	333	324	313	303	292	281	270	259	238	216	194	173	151	129	108	64		

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

5 GPM • 1/2-1 1/2 HP



Stainless Steel

1¹/₄” NPT

3⁷/₈”

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

• Best efficiency point.

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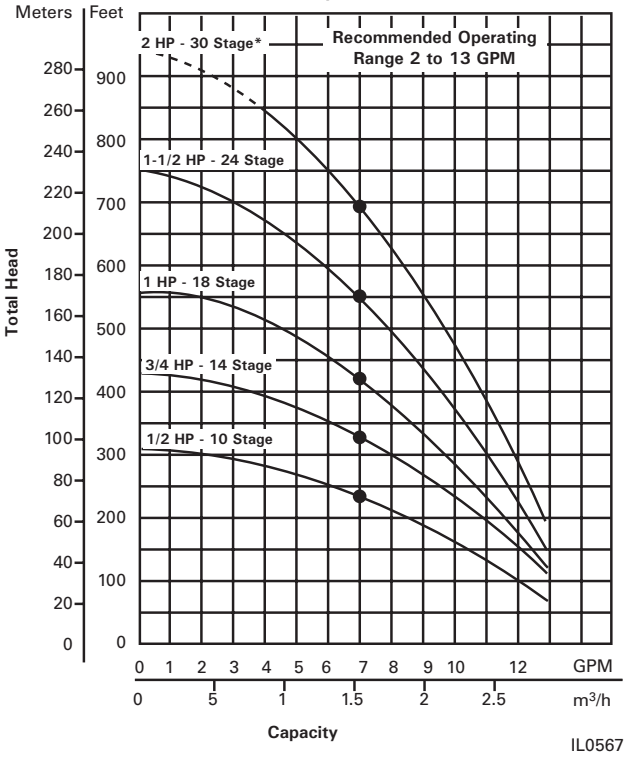
4” 7 GPM • 1/2 thru 2 HP • 3450 RPM • 60 Cycle

HP Size and Model No.	Stages	Weight: Motor Type	Weight: Ship Wt.	Disch. Press PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE: 20	40	60	80	100	120	140	160	180	200	225	250	275	300	325	350	400	450	500	550	600	650	700	800	Maximum Pressure: Ft.	PSI
1/2 HP EL07S05	10	1 PH 3 Wire	28	0			13.0	12.4	11.7	11.0	10.4	9.8	9.0	8.2	7.2	5.8	4.2												310	134
				20	12.9	12.2	11.6	10.9	10.3	9.6	8.9	8.1	7.2	6.1	4.7	2.0														
				40	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																					
Shut-off PSI					125	116	108	99	90	82	73	64	56	47	36	25	15													
3/4 HP EL07S07	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
				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	6.9	6.3	5.4	4.4	2.7															
Shut-off PSI						168	160	151	142	134	125	116	108	99	88	77	67	56	45	34	12									
1 HP EL07S10	18	1 PH 3 Wire	37	0						12.7	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						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							
				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								
		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	2.5									
				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										
Shut-off PSI							216	207	199	190	181	173	164	155	145	134	123	112	101	90	69	47	25							
1-1/2 HP EL07S15	24	1 PH 3 Wire	51	0							12.9	12.7	12.4	12.1	11.8	11.5	11.2	10.8	10.5	10.1	9.4	8.7	7.8	6.9	5.9	4.6	3.9		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	3.1				
				40					12.2	12.0	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	4.8	3.2					
		1 PH 2 Wire	51	60					11.6	11.4	11.1	10.8	10.5	10.3	9.9	9.6	9.2	8.8	8.4	8.0	7.1	6.1	4.9	3.3						
				80					11.0	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							
		3 PH 3 Wire	46																											
Shut-off PSI									279	270	261	253	244	235	225	214	203	192	181	170	149	127	106	84	62	41	19			
2 HP EL07S20	30	1 PH 3 Wire	61	0									13.0	12.8	12.5	12.3	12.0	11.8	11.5	11.3	10.7	10.2	9.6	9.0	8.3	7.7	6.9	5.2	945	409
				20								12.7	12.5	12.3	12.1	11.9	11.6	11.3	11.1	10.8	10.2	9.6	9.1	8.4	7.7	7.0	6.2			
				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				
Shut-off PSI												339	331	322	311	300	290	279	268	257	235	214	192	170	149	127	106	62		

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

7 GPM • 1/2-2 HP



Stainless Steel
1¼” NPT

3⅞”

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

• Best efficiency point.

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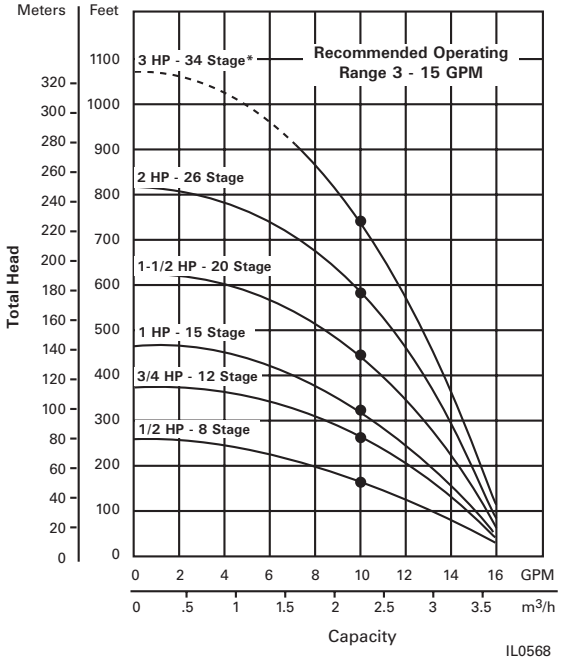
4” 10 GPM • 1/2 thru 3 HP • 3450 RPM • 60 Cycle

ELITE™
Zoeller Family of Water Solutions™

HP Size and Model No.	Stage	Weight: Motor Type	Weight: Ship Wt.	Discharge Pressure PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE																						Maximum Press.	
					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
1/2 HP EL10S05	8	1 PH 3 Wire	27	0			14.7	14.2	13.4	12.6	11.7	10.8	9.7	8.3	6.3														250	108
				20	14.6	14.1	13.3	12.5	11.6	10.5	9.5	7.8	6.0	3.4																
				40	12.8	12.0	11.0	10.0	8.7	6.9	4.8																			
		1 PH 2 Wire	27	60	10.9	9.9	8.6	6.7	4.5																					
				80	7.8	4.9	3.6																							
Shut-off PSI					99	90	82	73	64	56	47	38	30	21	10															
3/4 HP EL10S07	12	1 PH 3 Wire	32	0				15.0	14.6	14.1	13.6	13.1	12.5	12.0	11.3	10.4	9.7	8.5	5.7										375	162
				20		14.9	14.5	13.9	13.4	13.0	12.4	11.9	11.4	10.7	9.8	8.9	7.4	6.1												
				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	3.5													
		1 PH 2 Wire	32	60	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																	
Shut-off PSI					153	145	136	127	119	110	101	93	84	75	64	54	43	32	10											
1 HP EL10S10	15	1 PH 3 Wire	36	0						14.7	14.3	13.9	13.6	13.1	12.6	12.0	11.4	10.8	9.3	7.4	3.8								470	203
				20			15.0	14.7	14.3	13.8	13.4	13.0	12.6	12.1	11.6	10.9	10.2	9.6	7.6	4.6										
				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	4.5										
		1 PH 2 Wire	36	60	13.9	13.5	12.7	12.7	12.3	11.8	11.2	10.9	10.3	9.7	8.9	7.8	6.6	5.0												
				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	2.6												
Shut-off PSI					194	186	177	168	160	151	142	134	125	116	106	95	84	73	51	30	8									
1-1/2 HP EL10S15	20	1 PH 3 Wire	47	0							15.0	14.7	14.4	14.1	13.8	13.4	12.9	12.6	11.8	10.8	9.8	8.5	4.8	3.9					630	272
				20					14.9	14.6	14.3	14.1	13.8	13.4	13.0	12.6	12.2	11.8	10.9	9.9	8.6	7.0	4.1							
		1 PH 2 Wire	47	40		15.0	14.8	14.5	14.2	13.9	13.6	13.4	13.0	12.7	12.4	11.9	11.5	11.0	10.0	8.6	7.1	4.4								
				60	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	8.8	7.3	4.8									
		3 PH 3 Wire	41	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										
Shut-off PSI					264	255	246	238	229	220	212	203	194	186	175	164	153	142	121	99	77	56	34	12						
2 HP EL10S20	26	1 PH 3 Wire	62	0									15.0	14.8	14.6	14.2	14.0	13.6	13.1	12.4	11.8	11.1	10.4	9.5	8.5	7.3	2.7		815	352
				20							15.0	14.7	14.5	14.3	13.9	13.7	13.4	13.1	12.5	11.8	11.2	10.4	9.6							
				40					14.9	14.6	14.4	14.2	14.0	13.8	13.4	13.1	12.8	12.6	11.9	11.2	10.5	9.6								
		3 PH 3 Wire	53	60		15.0	14.8	14.6	14.4	14.2	13.9	13.6	13.4	13.2	12.9	12.6	12.3	11.9	11.3	10.5	9.7									
				80	14.7	14.5	14.3	14.1	13.8	13.6	13.4	13.2	13.0	12.6	12.3	12.0	11.7	11.4	10.5	9.7										
Shut-off PSI					344	335	326	318	309	300	292	283	274	266	255	244	233	222	201	179	158	136	114	93	71	49	6			
3 HP EL10S30	34	1 PH 3 Wire	79	0								15.5	15.3	15.1	14.8	14.6	14.3	14.1	13.9	13.5	13.1	12.6	12.1	11.7	11.1	10.6	9.3	7.5	1070	462
				20						15.5	15.3	15.0	14.8	14.6	14.4	14.2	14.0	13.8	13.4	13.0	12.7	12.3	11.8	11.3	10.5	10.0	8.5	6.8		
				40				15.4	15.2	15.0	14.8	14.6	14.4	14.2	14.1	14.0	13.8	13.6	13.2	12.6	12.2	11.7	11.3	10.7	10.1	9.6	7.6			
		3 PH 3 Wire	70	60		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	12.5	12.1	11.8	11.3	10.6	10.2	9.5	8.7	6.8			
				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	13.1	12.8	12.2	11.9	11.4	10.8	10.2	9.5	8.6	7.5				
Shut-off PSI					454	445	437	428	419	411	402	393	385	376	365	354	344	333	311	290	268	246	225	203	181	160	116	73		

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

10 GPM • 1/2-3 HP



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

Stainless Steel
1 1/4” NPT

3 7/8”

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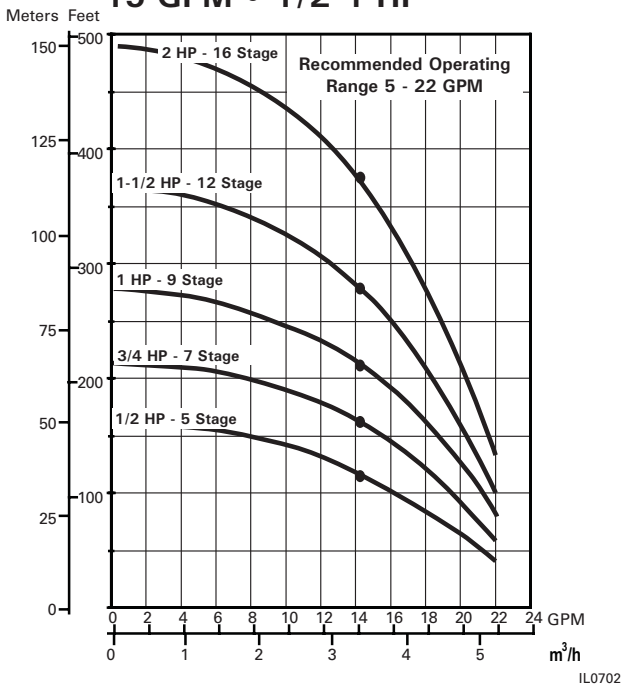
4” 15 GPM • 1/2 thru 2 HP • 3450 RPM • 60 Cycle

HP Size and Model No.	Stage	Weight: Motor Type	Weight: Ship Wt.	Discharge Pressure PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE: 20	40	60	80	100	120	140	160	180	200	225	250	275	300	350	400	450	500	550	600	650	700	800	900	Maximum Press.: Ft.	PSI
1/2 HP EL15S05	5	1 PH 3 Wire	28	0		22.0	20.5	18.5	16.2	13.7	10.2																		159	69
				20	19.8	17.7	15.5	12.7	8.8																					
		1 PH 2 Wire	28	40	14.6	11.6	7.0																							
Shut-off PSI					60	51	42	34	25	16	8																			
3/4 HP EL15S07	7	1 PH 3 Wire	33	0			21.9	20.9	19.5	18.0	16.4	14.6	11.8	7.8															214	93
				20	21.5	20.5	19.1	17.6	15.9	13.8	11.8	5.8																		
				40	18.5	17.0	15.3	13.0	9.5	9.5																				
		1 PH 2 Wire	33	60	14.6	11.8	8.1																							
				80	6.2																									
Shut-off PSI					83	75	66	58	49	40	32	23	14	6																
1 HP EL15S10	9	1 PH 3 Wire	36	0					21.9	21.1	20.0	18.6	17.2	15.4	12.7	9.2													279	121
				20			21.6	20.7	19.6	17.2	16.6	14.9	12.7	9.8	4.6															
				40	21.4	20.4	19.2	17.7	15.1	14.3	11.9	8.8	4.2																	
		1 PH 2 Wire	36	60	18.6	17.2	15.5	13.6	10.9	7.7																				
				80	15.0	12.6	10.0	6.3																						
Shut-off PSI					112	103	94	86	77	68	60	51	42	34	23	12														
1-1/2 HP EL15S15	12	1 PH 3 Wire	33	0					22.0	21.4	20.7	20.0	19.1	18.3	17.2	15.9	14.5	12.7	6.4										367	159
				20			21.8	21.2	20.5	19.7	18.8	18.0	17.1	16.1	14.7	12.9	10.5	7.3												
				40	21.6	21.0	20.2	19.5	18.7	17.7	16.8	15.8	14.7	13.2	10.9	7.9														
		1 PH 2 Wire	33	60	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																		
Shut-off PSI					150	141	132	124	115	106	98	89	80	72	61	50	39	29	7											
2 HP EL15S20	16	1 PH 3 Wire	36	0							21.8	21.4	20.9	20.4	19.6	18.8	18.0	17.2	15.3	12.7	8.5								489	212
				20					21.7	21.2	20.7	20.2	19.5	18.9	18.1	17.2	16.3	15.4	13.8	8.9										
				40					20.6	20.0	19.3	18.8	18.1	17.4	16.5	15.6	14.5	13.1	9.2											
		1 PH 2 Wire	36	60					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	13.6	11.9	9.9	7.5													
Shut-off PSI									168	159	151	142	133	125	114	103	92	81	60	38	16									

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

15 GPM • 1/2-1 HP



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

Stainless Steel
1 1/4” NPT

3 7/8”

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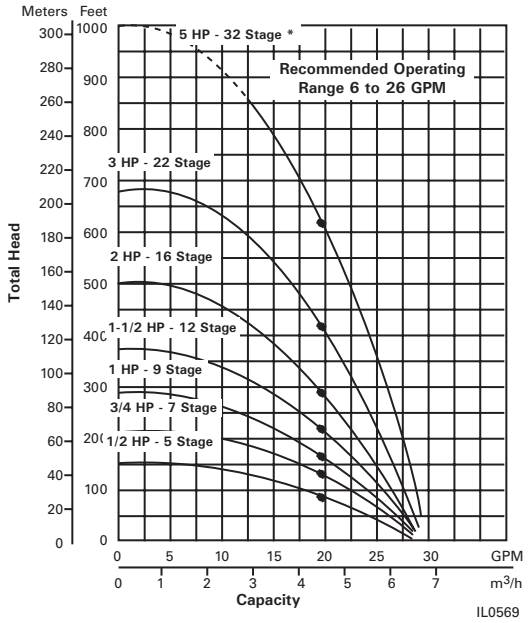
4” 19 GPM • 1/2 thru 5 HP • 3450 RPM • 60 Cycle

ELITE™
Zoeller Family of Water Solutions™

HP Size and Model No.	Stg.	Weight: Motor Type	Weight: Ship Wt.	Disch. Press. PSI	DEPTH TO WATER LEVEL IN FEET - CAPACITIES IN GALLONS PER MINUTE																								Maximum Pressure	
					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 EL19S05	5	1 PH 3 Wire	28	0		24.6	22.7	20.5	17.9	15.0	10.4																		155	67
				20	22.0	19.8	17.1	14.0	5.9																					
		1 PH 2 Wire	28	40	16.0	12.2	3.5																							
Shut-off PSI					58	49	41	32	23	15	6																			
3/4 HP EL19S07	7	1 PH 3 Wire	33	0		24.6	23.3	21.7	20.0	18.2	16.0	13.3	9.6																215	93
				20	24.4	22.9	21.4	19.5	17.5	15.3	12.4	8.6																		
				40	20.6	18.7	16.6	14.3	11.0	5.5																				
		1 PH 2 Wire	33	60	16.2	13.6	10.2																							
				80	8.0																									
Shut-off PSI					84	75	67	58	49	41	32	23	15	6																
1 HP EL19S10	9	1 PH 3 Wire	36	0			25.5	24.4	23.2	22.1	20.7	19.4	17.8	16.2	13.7	10.7													283	122
				20	25.2	24.0	22.9	21.7	20.4	19.0	17.4	15.6	13.7	11.4	6.2															
				40	22.5	21.2	19.8	18.4	16.8	15.2	12.8	10.4	5.6																	
		1 PH 2 Wire	36	60	19.5	17.9	16.4	14.5	12.2	9.6	3.5																			
				80	15.7	13.7	11.5	8.0																						
Shut-off PSI					113	105	96	87	79	70	61	53	44	35	25	14														
1-1/2 HP EL19S15	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									375	163
				20		25.2	24.4	23.5	22.7	21.7	20.7	19.9	18.9	17.7	16.3	14.3	12.2	9.5	3.6											
		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													
				60	22.1	21.1	20.2	19.2	18.2	17.1	15.8	14.4	12.7	10.4	6.3															
		3 PH 3 Wire	39	80	19.9	18.8	17.8	16.7	15.4	13.7	11.9	9.2	5.9																	
Shut-off PSI					153	145	136	127	119	110	101	93	84	75	64	54	43	32	21	10										
2 HP EL19S20	16	1 PH 3 Wire	59	0					25.7	25.1	24.5	23.8	23.2	22.5	21.8	20.9	20.0	19.0	18.0	16.8	14.2	10.5							500	217
				20			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								
				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 PH 3 Wire	49	60	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										
				80	22.4	21.8	21.1	20.3	19.6	18.9	18.1	17.2	16.2	15.1	13.5	11.6	9.5	6.7												
Shut-off PSI					207	199	190	181	173	164	155	147	138	129	119	108	97	86	75	64	43	21								
3 HP EL19S30	22	1 PH 3 Wire	75	0							25.7	25.2	24.8	24.3	23.8	23.2	22.6	22.0	21.5	20.8	19.5	18.3	16.3	14.3	11.7	8.3			685	298
				20				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	8.7					
				40		25.8	25.4	25.0	24.5	24.1	23.6	23.2	22.7	22.2	21.7	21.0	20.3	19.8	19.0	18.2	16.6	14.7	12.2	9.2						
		3 PH 3 Wire	75	60	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							
				80	24.2	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						
Shut-off PSI					287	279	270	261	253	244	235	227	218	209	199	188	177	166	155	145	123	101	80	58	36	15				
5 HP EL19S50	32	1 PH 3 Wire	117	0										25.8	25.4	25.0	24.6	24.3	23.8	23.5	22.7	21.8	21.0	20.2	19.2	18.2	17.0	14.2	1000	435
				20							25.9	25.7	25.4	25.2	24.8	24.3	24.0	23.5	23.2	22.8	21.9	21.1	20.2	19.3	18.3	17.2	15.8	12.7		
				40					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	18.3	17.2	15.8	14.5			
		3 PH 3 Wire	80	60		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			
				80	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			
Shut-off PSI					424	415	406	398	389	380	372	363	354	346	335	324	313	303	292	281	259	238	216	194	173	151	129	86		

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

19 GPM • 1/2-5 HP



1¹/₄” NPT

3⁷/₈”

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

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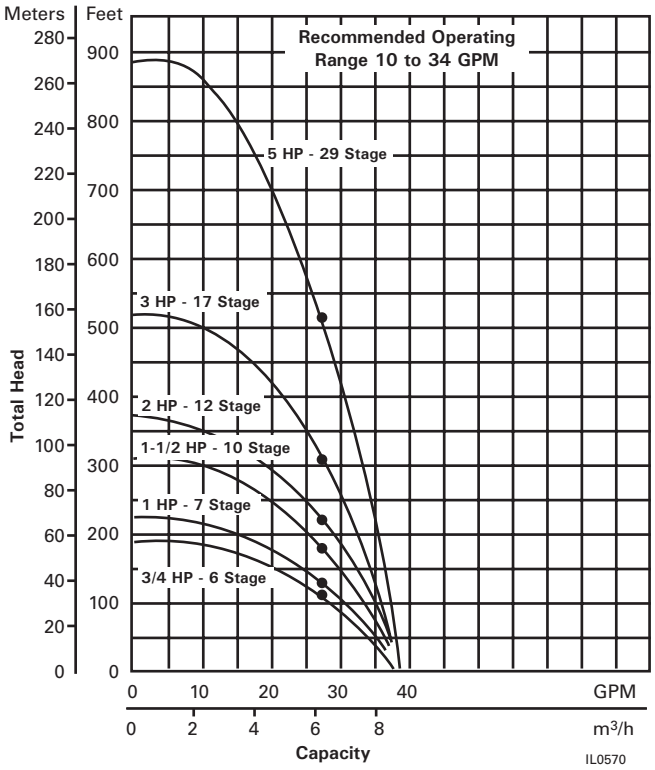
4” 27 GPM • 3/4 thru 5 HP • 3450 RPM • 60 Cycle

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 EL27S07	6	1 PH 3 Wire	33	0			32	30	27	24	21	16																		180	78
				20	32	29	26	23	20	15																					
		1 PH 2 Wire	33	40	25	22	18	12																							
				60	17	9																									
Shut-off PSI					69	60	51	43	34	25	17	8																			
1 HP EL27S10	7	1 PH 3 Wire	35	0			34	32	30	27	24	22	18	13																215	93
				20	33	31	29	26	24	20	17	10																			
		1 PH 2 Wire	35	40	28	25	23	19	15	5																					
				60	22	18	13																								
Shut-off PSI					84	75	67	58	49	41	32	23	15	6																	
1-1/2 HP EL27S15	10	1 PH 3 Wire	43	0				34	33	31	29	28	26	24	22	20	17	14												305	132
				20				30	29	27	25	24	22	19	17	13															
		1 PH 2 Wire	43	40		33	32	27	25	23	21	19	16	11																	
				60	31	30	28	22	20	18	15	8																			
		3 PH 3 Wire	38		28	26	24																								
Shut-off PSI					123	114	106	97	88	80	71	62	54	45	36	28	19	10													
2 HP EL27S20	12	1 PH 3 Wire	44	0					34	33	32	31	30	28	27	25	23	21	18	9										360	156
				20			34	33	32	30	29	27	26	24	22	20	18	15	10												
		3 PH 3 Wire	46	40			31	30	29	27	25	24	22	19	17	13	8														
				60			28	26	25	23	21	19	16	12	5																
Shut-off PSI							129	121	112	103	95	86	77	69	60	51	43	34	25	4											
3 HP* EL27S30	17	1 PH 3 Wire	73	0							34	33	33	32	31	30	29	28	27	24	21	16	9							515	223
				20					34	33	33	32	31	30	29	28	27	26	25	21	17	10									
		3 PH 3 Wire	73	40					32	31	30	30	29	28	27	25	24	23	21	17	11										
				60					30	29	28	27	26	25	24	22	21	19	17	12											
Shut-off PSI									179	170	162	153	145	136	127	119	110	101	93	71	49	28	6								
5 HP* EL27S50	29	1 PH 3 Wire	116	0											34	34	33	33	32	31	30	29	27	26	24	22	20	18	15	880	380
				20									34	34	33	33	32	32	31	30	29	27	26	24	22	20	18	15	12		
		3 PH 3 Wire	80	40								34	33	33	32	32	31	31	30	29	27	26	24	22	20	18	16	12			
				60								32	32	31	31	30	30	29	29	28	26	24	22	21	18	16	12				
Shut-off PSI												311	303	294	285	277	268	259	251	229	207	186	164	142	121	99	77	56	34		

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



Stainless Steel

1¼” NPT

3⅞”

● Best efficiency point.

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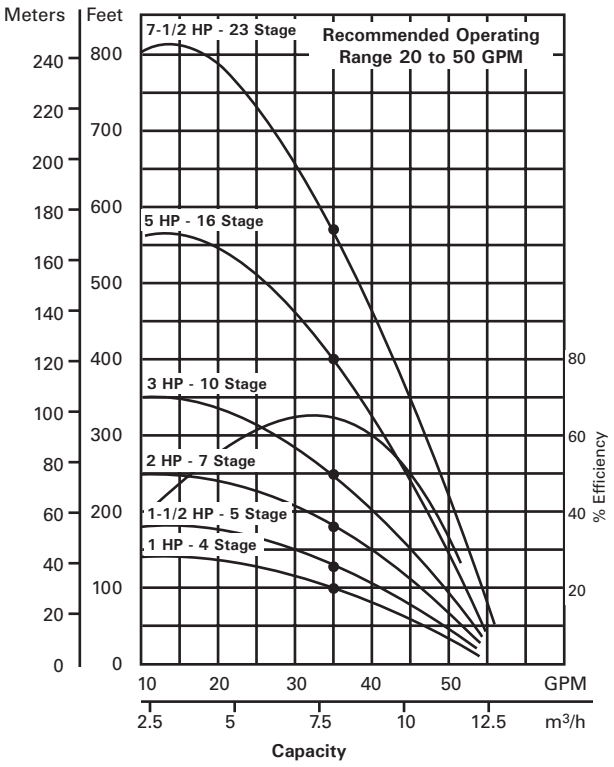
4” 35 GPM • 1 thru 7 1/2 HP • 3450 RPM • 60 Cycle

ELITE™
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 EL35S10	4	1	11	23	0 20 40 60	42 30	47 37 22	43 32	38 25	33	27																	140	67
Shut-off PSI						51	43	34	25	17	8																		
1-1/2 HP EL35S15	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															180	78
		3	12	25																									
Shut-off PSI						69	60	51	43	34	25	17	8																
2 HP EL35S20	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												245	106
		3	14	28																									
Shut-off PSI							88	80	71	62	54	45	36	28	19	10													
3 HP* EL35S30	10	1	17	52	0 20 40 60			48 45 40	47 43 38	49 45 41 36	47 43 39 34	45 41 37 31	44 39 35 28	42 37 32 25	40 35 29 20	38 33 26	36 30 22	33 27 17	28 18									355	154
		3	17	43																									
Shut-off PSI								127	119	110	101	93	84	75	67	58	49	41	23										
5 HP* EL35S50	16	1	23	69	0 20 40 60					50	49 47 44	48 46 43	49 47 45 42	48 46 44 41	47 45 42 40	46 44 41 38	45 43 40 37	44 41 39 35	42 39 36 32	39 36 32 28	35 32 27 22	31 27 21	26 21					560	245
		3	23	53					49 47	48 46																			
Shut-off PSI									207	199	190	181	173	164	155	147	138	129	112	90	69	47	25						
7-1/2 HP* EL35S75	23	3	31	69	0 20 40 60						49	49 48	50 49 47	49 48 46	49 47 45	50 48 46 44	49 47 45 43	48 46 45 42	47 45 43 41	45 43 41 39	43 41 39 36	40 38 36 34	38 36 34 31	36 33 31 28	33 31 28 25	31 28 24 20	28 24 19	810	350
Shut-off PSI											298	290	281	272	264	255	246	238	220	199	177	155	134	112	90	69	47		

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

3 7/8”

- Best efficiency point.

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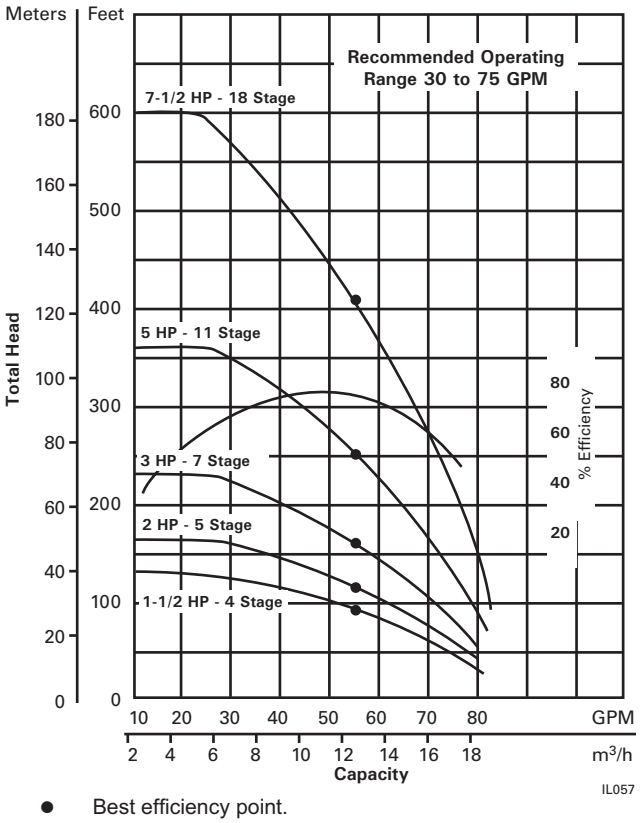
4” 55 GPM • 1 1/2 thru 7 1/2 HP • 3450 RPM • 60 Cycle

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 EL55S15	4	1	12	28	0 20 40 60	70 42	60 23	71 47	62 33	50	36														135	58
		3	12	25																						
Shut-off PSI						49	41	32	23	15	6															
2 HP EL55S20	5	1	14	30	0 20 40 60	74 56 30	68 45	75 59 34	69 50	61 38	51 15	42													165	71
		3	14	28																						
Shut-off PSI						62	54	45	36	28	19	10														
3 HP* EL55S30	7	1	16	52	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
		3	16	43																						
Shut-off PSI							84	75	67	58	49	41	32	23	15	6										
5 HP* EL55S50	11	1	19	69	0 20 40 60					73 66 58	70 63 53	74 67 59 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
		3	19	53				72 65	69 62																	
Shut-off PSI								132	123	114	106	97	88	80	71	62	54	45	28	6						
7-1/2 HP* EL55S75	18	3	28	69	0 20 40 60					72	75 71	73 70	75 72 68	74 70 66	72 68 63	74 71 66 61	73 69 64 59	71 67 62 57	66 62 57 51	62 56 50 43	56 50 42 35	49 42 35 25	41 34 24	33 20	600	259
Shut-off PSI										216	207	199	190	181	173	164	155	147	129	108	86	64	43	21		

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



● Best efficiency point.

Stainless Steel

2” NPT

3 7/8”

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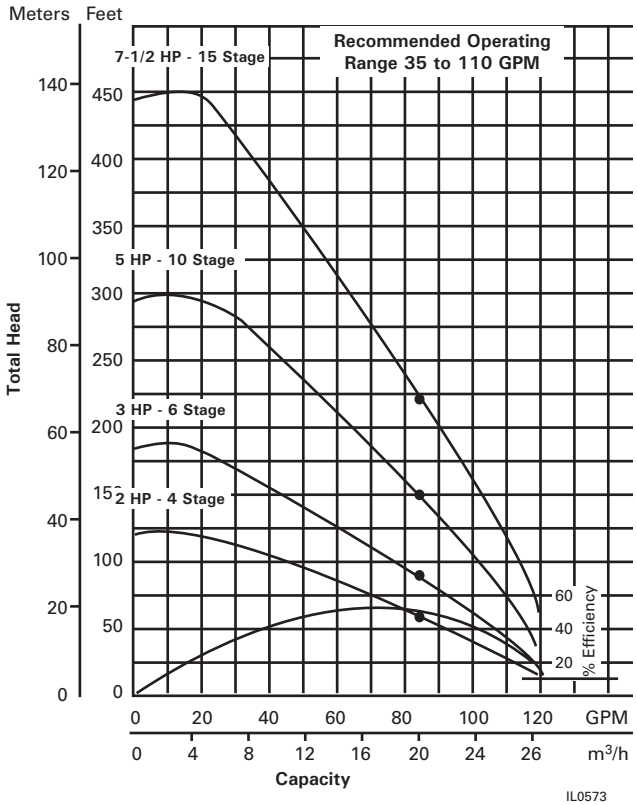
4” 85 GPM • 2 thru 7 1/2 HP • 3450 RPM • 60 Cycle

ELITE™ Zoeller Family of Water Solutions™

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	13	28																							
Shut-off PSI						43	34	25	17	8																	
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
		3	15	43																							
Shut-off PSI						71	62	54	45	36	28	19	10														
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 51 33	79 62 43 20	71 54 36	63 46 25	55 38	48 30	40	32							300	130
		3	20	53																							
Shut-off PSI						121	112	103	95	86	77	69	60	51	43	34	25	17	8								
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	106 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
Shut-off PSI						186	177	168	160	151	142	134	125	116	108	99	90	82	73	64	56	47	38	30	21		

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



Stainless Steel

2” NPT

- Best efficiency point.

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Model No. Code 5 thru 27 GPM

EL 10 S 05 - 30 1

- Series
- GPM
- Material Construction
  S - S.S. Castings, S.S. Shell
- Motor H.P. Size
- Motor Voltage and Phase
  00 – 115 V 1 Ph
  30 – 230 V 1 Ph
- Motor Mfg. and Lead Type
  1 – 3-wire, Franklin
  5 – 2-wire, Franklin

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 GPM

EL 35 S 20

- Series
- GPM
- Material Construction
  S - S.S. Castings, S.S. Shell
- Motor H.P. Size

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* Ordering Number	Heaters Order 3 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* Ordering Number	Heaters Order 3 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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