



**50L, 65L, 95L, 120L,  
160L, 250L, 320L**

**6" Stainless Steel Submersible Pumps**

60 HZ HIGH CAPACITY - FOR 6" AND LARGER WELLS

### FEATURES

**Powered for Continuous Operation:** All ratings are within the working limits of the motor. Pump can be operated continuously.

**New Design Features:** Cast 304 SS discharge head and motor adapter.

**Field Serviceable:** Easy to install and service. All parts easily dismantled if field service is ever necessary.

**Diverse Application:** Designed for commercial, municipal and agricultural water needs.

**Stainless Steel Construction:** Durable in most waters.

**Bearings:** Replaceable, silicon carbide bearings allow excellent abrasives handling and wear resistance.

**Built-in Check Valve:** Positive sealing, stainless steel check valve assembly incorporated into discharge head.

**Impellers:** New stainless steel impeller design provides improved efficiency.

**Maximum Temperature:** 140°F (60°C) for pump.

**Four-Fluted Shaft Design:** Four sided stainless steel shaft eliminates impeller keys and provides positive drive.

**Coupling:** Removable heavy duty stainless steel, splined coupling for maximum load-carrying capability.

**Suction Strainer:** Stainless steel strainer restricts gravel and other debris from entering the pump.

**Cable Guard:** Stainless steel cable guard surrounds and protects motor leads.

**Fasteners:** All fasteners are stainless steel.

**Goulds Motors:** Designed to NEMA standards. Stainless steel casing resists corrosion. Water filled design provides a constant supply of lubrication. Hermetically sealed stator assures moisture free windings. Durable Kingsbury type thrust bearing absorbs all thrust. Replaceable motor lead assembly.

**Certified to NSF/ANSI 61, Annex G.**

### SPECIFICATIONS

Model	Horsepower Range	Discharge Connection	Recommended GPM Operating Range	GPM at Best Efficiency	Minimum* Well Size	Rotation at Discharge End
50L	3 - 20	3" NPT	17 - 70	50	6" / 8" *	CCW
65L	3 - 40		20 - 90	65		
95L	5 - 40		25 - 130	90		
120L	5 - 50		40 - 170	120		
160L	3 - 60		50 - 240	160	6"	
250L	7.5 - 60		70 - 300	250		
320L	7.5 - 60	4" NPT	100 - 400	320		

\* Minimum well size refers only to dimensional fit in a well, the specifier or installer must determine the minimum required well diameter that will insure an adequate supply of water to the pump and also properly cool the motor. See Water End Data Chart for specific diameter by model number.

### AGENCY LISTINGS



NSF/ANSI 372 - Drinking Water System Components - Lead Content

CLASS 6853 01 - Low Lead Content Certification Program - Plumbing Products



Pump/Water End - Drinking Water System Components - Certified to NSF/ANSI 61, Annex G

### "L" SERIES MATERIALS OF CONSTRUCTION

Ref. No.	Part Name	Material	Material Code
1	Discharge Head	Stainless steel	ASTM CF-8 (AISI 304 cast)
2	Check Valve Support	Stainless steel	ASTM CF-8 (AISI 304 cast)
3	Check Valve	Stainless steel	AISI 304 SS
4	Elastomers	Ethylene propylene	EPDM
5	Bolts and Screws	Stainless steel	AISI 304 SS
6	Shaft Sleeve and Bushing	Tungsten carbide	-
7	Thrust Bearing	PTFE+Graphite	-
8	Impeller	Stainless steel	AISI 304 SS
9	Diffuser	Stainless steel	AISI 304 SS
10	Spacer	Stainless steel	AISI 431 SS
11	Tie Rod	Stainless steel	AISI 304 SS
12	Cable Guard	Stainless steel	AISI 304 SS
13	Wear Rings	Technopolymer PPO	Engineered polymer
14	Strainer	Stainless steel	AISI 304 SS
15	Shaft	Stainless steel	AISI 431 SS
16	Shaft Coupling	Stainless steel	AISI 431 SS
17	Motor Adapter	Stainless steel	ASTM CF-8 (AISI 304 cast)

### SYSTEM COMPONENTS

#### □ Pump/Water End:

- 50L-250L with 3" NPT discharge.
- 320L with 4" NPT discharge.
- 3 HP Water Ends Have 4" Motor Adapters
- 5 & 7.5 HP Water Ends Have Either a 4" or 6" Motor Adapter (see Water End Data chart)
- 10 HP and Larger Water Ends Have 6" Motor Adapters

#### □ Motor:

- 4" motor required for 3 HP and 5 HP pumps.
- 4" or 6" motors can be used for 7.5 HP pumps.
- 6" motor required for 10 HP and larger pumps.

□ **Control Box:** Required for all single phase motors.

□ **Magnetic Starter:** A magnetic starter with Class 10 overloads is required for all three phase units.

**WATER ENDS AND MOTORS MUST BE ORDERED SEPARATELY AND ARE PACKAGED SEPARATELY.**

### ORDER NUMBER CODE

	65	L	03	
				Horsepower Code =
	50			HP
	65			03 = 3
	95			05 = 5 (4" motor)
	120			05-6 = 5 (6" motor)
	160			07-4 = 7.5 (4" motor)
	250			07 = 7.5 (6" motor)
	320			10 = 10
Pump Size/ Gallons per minute at Best Efficiency Point				15 = 15
				20 = 20
Pump Series				25 = 25
				30 = 30
				40 = 40
				50 = 50
				60 = 60

### WATER END (PUMP) DATA

Model	Order No.	No. Stages	Min. HP Required	Required Motor Dia.	Dimensions & Weights						
					Length		Diameter		Weight		
					in.	mm	in.	mm	lbs.	kg.	
50L	50L03	4	3	4	20.6	522	5.59	142	25	11	
	50L05R**	7	5	4/6	25.8	656	5.67	144	35	16	
	50L05**	8	5		27.8	706			40	18	
	50L07**	11	7.5		33.3	844			49	22	
	50L10	15	10	6	40.2	1020			57	26	
	50L15	23	15		56.9	1446			82	37	
50L20	28	20	65.8		1670	94			43		
65L	65L03	3	3	4	18.6	472	5.59	142	26	12	
	65L05**	5	5	4/6	22.2	564	5.67	144	31	14	
	65L07**	7	7.5		25.8	656			35	16	
	65L10	10	10		31.3	794			44	20	
	65L15	16	15	6	42.1	1070			60	27	
	65L20	21	20		53.0	1346			75	34	
	65L25	27	25		63.9	1622			90	41	
	65L30*	32	30		98.7	2508			220	100	
65L40*	41	40	115.0		2922	6.97*			177	253	115
95L	95L05**	3	5	4/6	18.6	472	5.59	142	26	12	
	95L07**	5	7.5	4/6	22.2	564	5.67	144	31	14	
	95L10	7	10		25.8	656			35	16	
	95L15	10	15		31.3	794			44	20	
	95L20	14	20	6	38.5	978			53	24	
	95L25	17	25		43.9	1116			62	28	
	95L30	21	30		53.0	1346			75	34	
	95L40*	28	40		67.3	1710			6.97*	177	156
120L	120L05**	2	5		4/6	16.8			426	5.59	142
	120L07**	3	7.5	4/6	19.5	495	5.67	144	26	12	
	120L10	5	10		24.9	633			33	15	
	120L15	7	15		30.4	771			40	18	
	120L20	10	20	6	38.5	978			51	23	
	120L25	12	25		43.9	1116			57	26	
	120L30	15	30		52.1	1323			68	31	
	120L40	20	40		65.7	1668			86	39	
120L50*	24	50	80.9		2055	6.97*			177	179	81
160L	160L03	1	3	4	14.5	367	5.59	142	18	8	
	160L05**	2	5	4/6	17.2	436	5.67	144	22	10	
	160L07**	3	7.5		19.9	505			26	12	
	160L10	4	10		22.6	574			31	14	
	160L15	6	15	6	28.0	712			37	17	
	160L20	8	20		33.5	850			44	20	
	160L25	9	25		36.2	919			46	21	
	160L30	11	30		41.6	1057			53	24	
	160L40	15	40		52.5	1333			68	31	
	160L50	18	50		60.6	1540			77	35	
160L60	20	60	65.7		1668	86			39		
250L	250L07**	2	7.5	4/6	20.8	528	5.67	144	26	12	
	250L10	3	10	6	25.3	643			33	15	
	250L15	5	15		34.4	873			44	20	
	250L20	7	20		43.4	1103			55	25	
	250L25	8	25		48.0	1218			60	27	
	250L30	9	30		52.5	1333			66	30	
	250L40	13	40		70.6	1793			88	40	
	250L50	16	50		84.2	2138			104	47	
250L60	19	60	97.8		2484	128	58				
320L	320L07**	2	7.5	4/6	21.8	553	5.67	144	27	12	
	320L15	4	15	6	30.8	783			38	17	
	320L20	5	20		35.4	898			45	20	
	320L25	6	25		39.9	1013			50	22	
	320L30	8	30		49.0	1243			61	27	
	320L40	11	40		62.5	1588			78	35	
	320L50	13	50		71.6	1818			89	40	
	320L60	16	60		84.2	2138			104	47	

\* Note pump diameter - high pressure models have an exterior casing and larger diameters, verify they will fit your well.

\*\* Pumps can be configured to accommodate a 4" or 6" motor. See product order code.

### MOTOR DATA

**NOTE:** 4" diameter motors are required for 3 and 5 HP "L" Series pumps.

4" or 6" diameter motors can be used for 7.5 HP "L" Series pumps. See Water End Data Chart.

6" diameter motors are required for 10 HP and larger "L" Series pumps.

### GOULDS 4" MOTORS

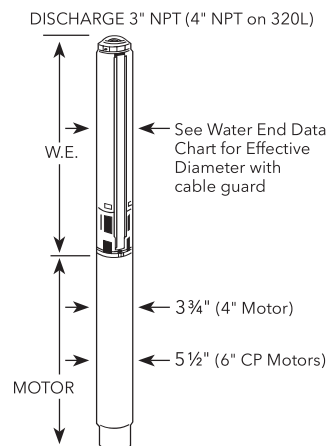
Single Phase Motors - Dimensions and Weights					
Motor Order No.	HP	Motor Dia.	Volts	Length in. (mm)	Weight lbs. (Kg)
M30412	3	4"	230	18.3 (466)	40 (18.1)
M50412	5			27.7 (703)	70 (31.8)
Three Phase Motors - Dimensions and Weights					
M30430	3	4"	200	15.3 (389)	32 (14.5)
M30432			230		
M30434			460		
M50430	5	4"	200	21.7 (550)	55 (24.9)
M50432			230		
M50434			460		
M75430	7.5	4"	200	27.7 (703)	70 (31.8)
M75432			230		
M75434			460		

### GOULDS 6" MOTORS

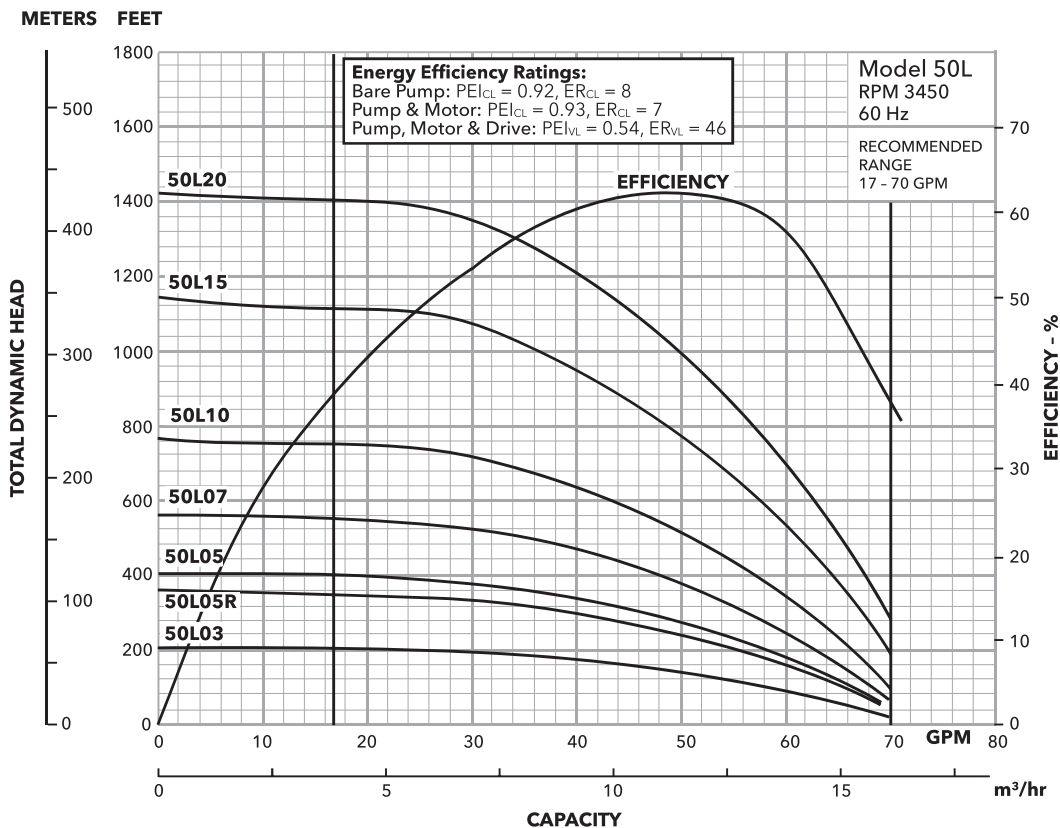
Single Phase Motors - Dimensions and Weights					
Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
6M071	7.5	6"	230	29.9	128
6M101	10	6"	230		
6M151	15	6"	230	33.5	148
Three Phase Motors - Dimensions and Weights					
6M078	7.5	6"	200	24.8	99
6M072			230		
6M074			460		
6M108	10	6"	200	27.0	110
6M102			230		
6M104			460		
6M158	15	6"	200	29.9	128
6M152			230		
6M154			460		
6M208	20	6"	200	31.5	137
6M202			230		
6M204			460		
6M258	25	6"	200	36.2	161
6M252			230		
6M254			460		
6M308	30	6"	200	38.2	176
6M302			230		
6M304			460		
6M404	40	6" x 8"	460	40.6	187
66M504	50			41.7	198
86M504	50			46.4	353

### GOULDS FM-SERIES 6" MOTORS

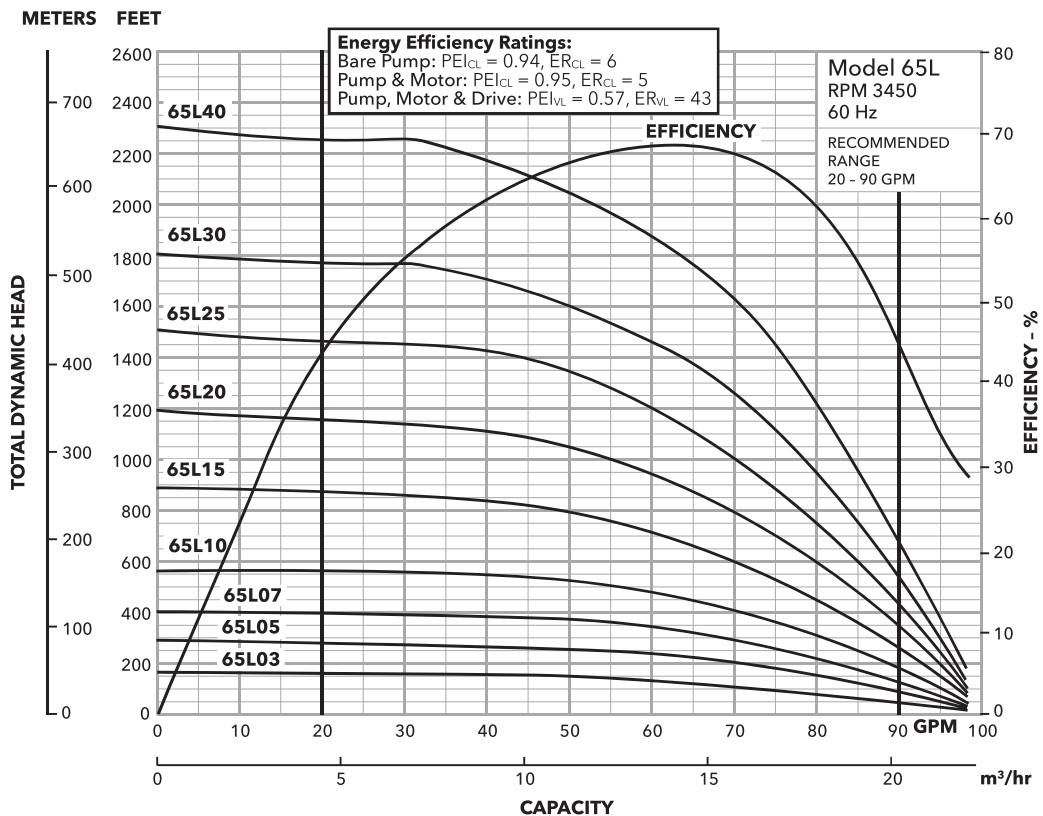
Single Phase Motors Dimensions and Weights					
Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
6F051	5	6"	230	25.6	143
6F071	7.5			28.1	161
6F101	10			30.3	161
6F151	15			32.8	181
Three Phase Motors Dimensions and Weights					
Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
6F058	5	6"	200-208	23.0	107.0
6F052			230		
6F054			460		
6F078	7.5	6"	200-208	24.3	117.0
6F072			230		
6F074			460		
6F108	10	6"	200-208	25.6	124.0
6F102			230		
6F104			460		
6F158	15	6"	200-208	28.1	127.0
6F152			230		
6F154			460		
6F208	20	6"	200-208	30.3	152.0
6F202			230		
6F204			460		
6F258	25	6"	200-208	32.8	164.0
6F252			230		
6F254			460		
6F308	30	6"	200-208	35.6	185.0
6F302			230		
6F304			460		
6F404	40	6"	460	39.3	207.0
6F504	50	6"	460	54.1	285.0



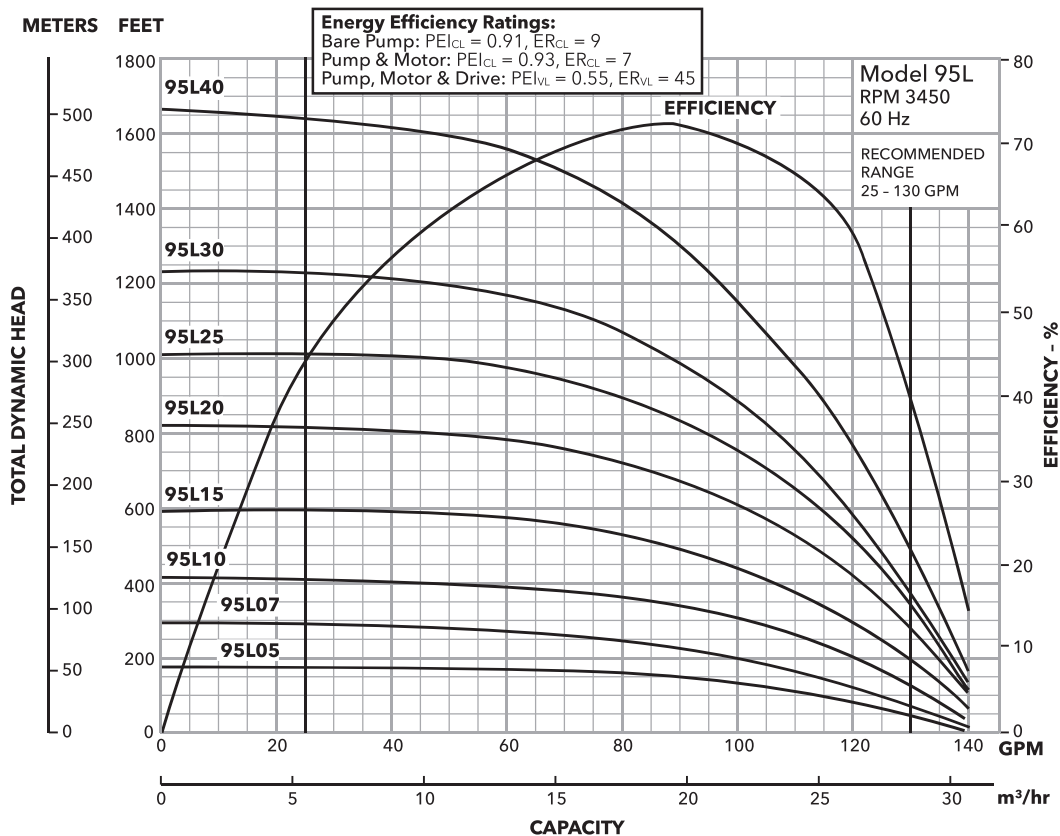
### MODEL 50L



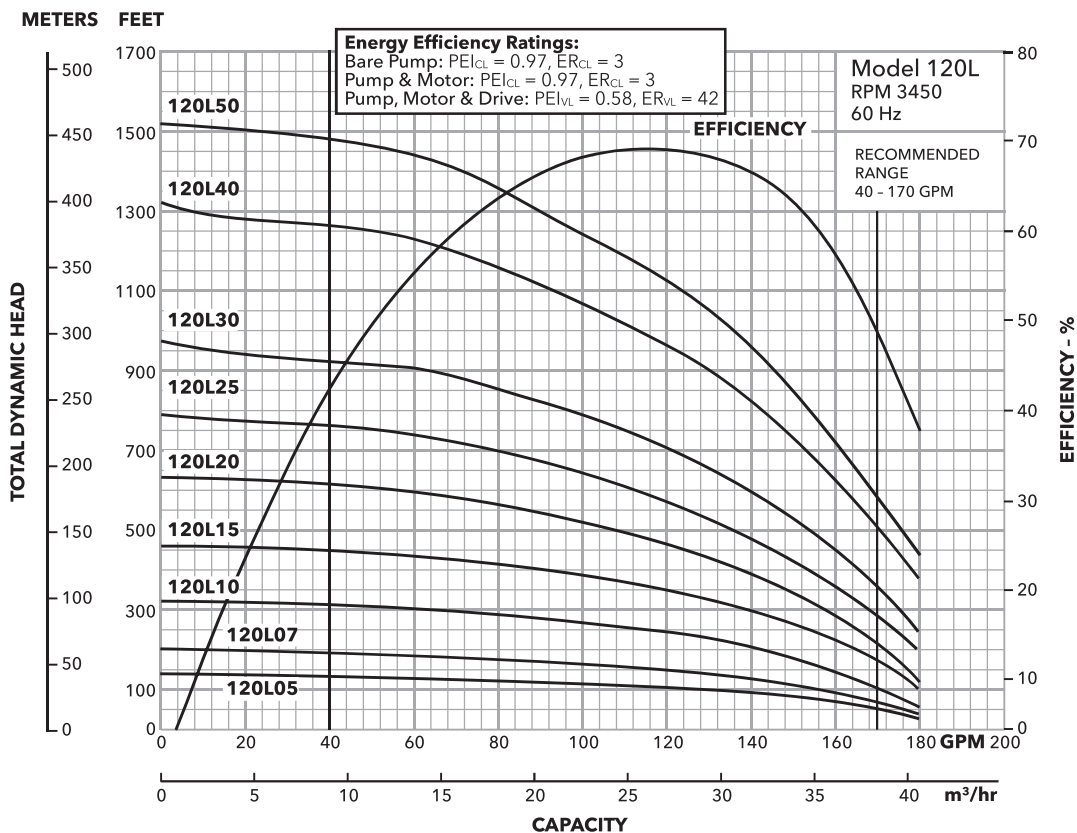
### MODEL 65L



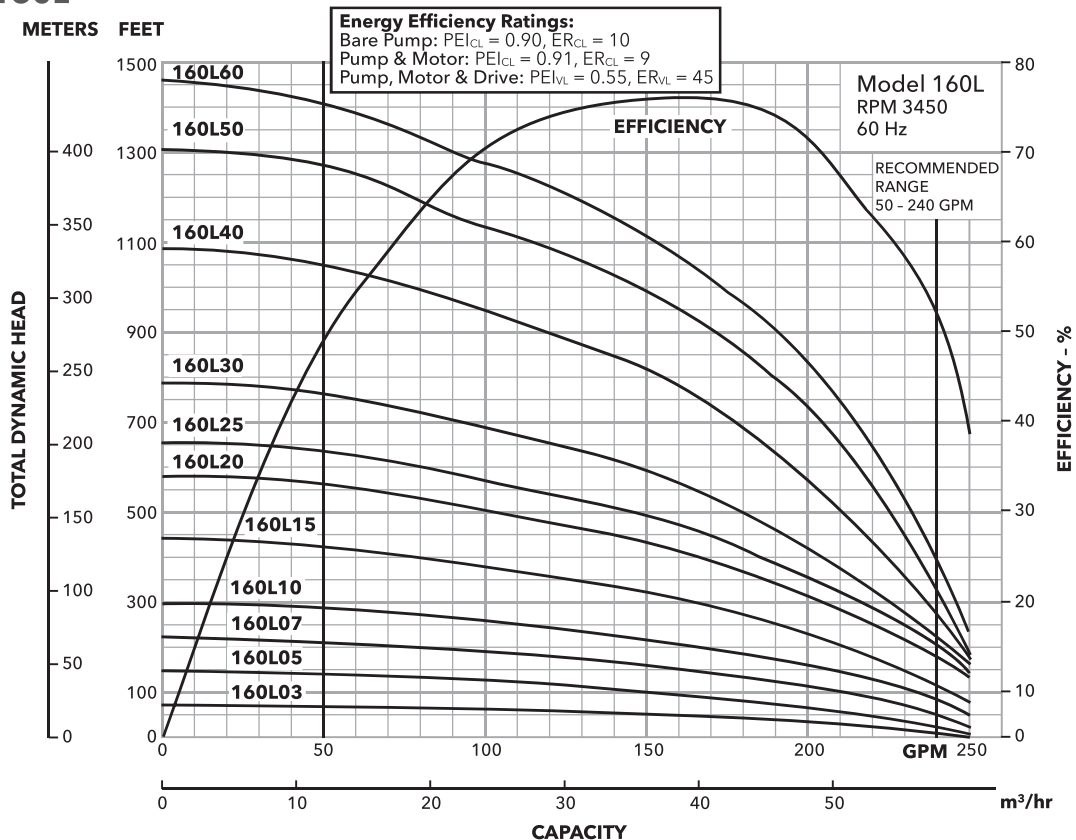
### MODEL 95L



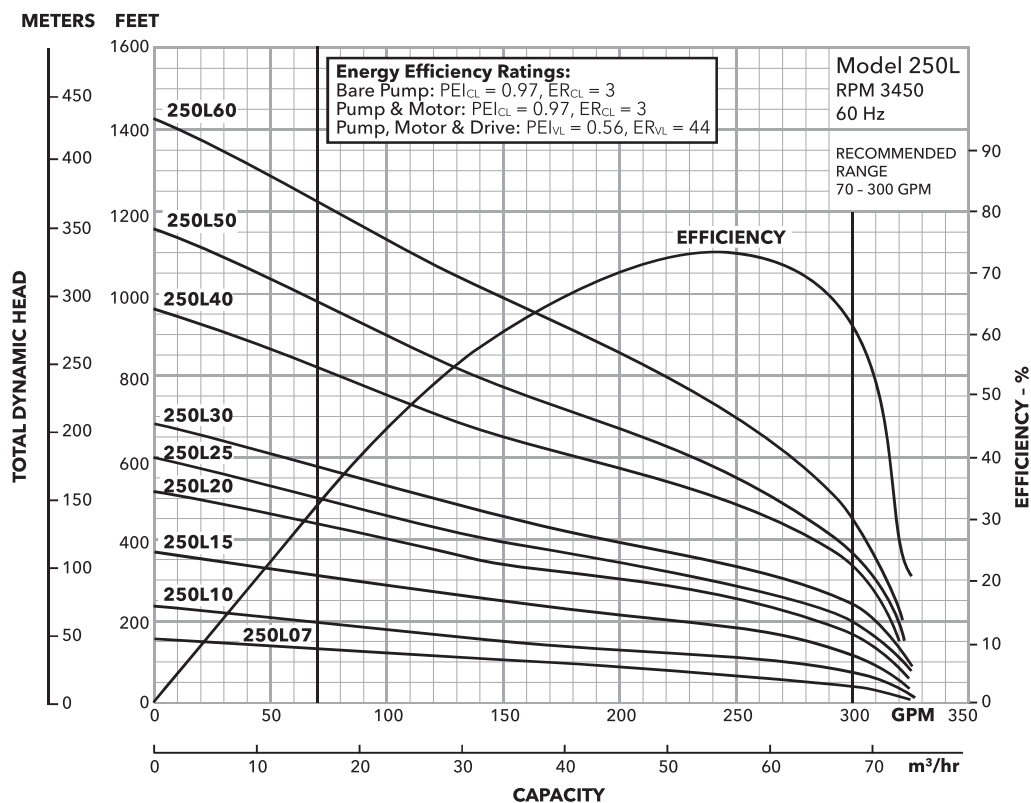
### MODEL 120L



### MODEL 160L



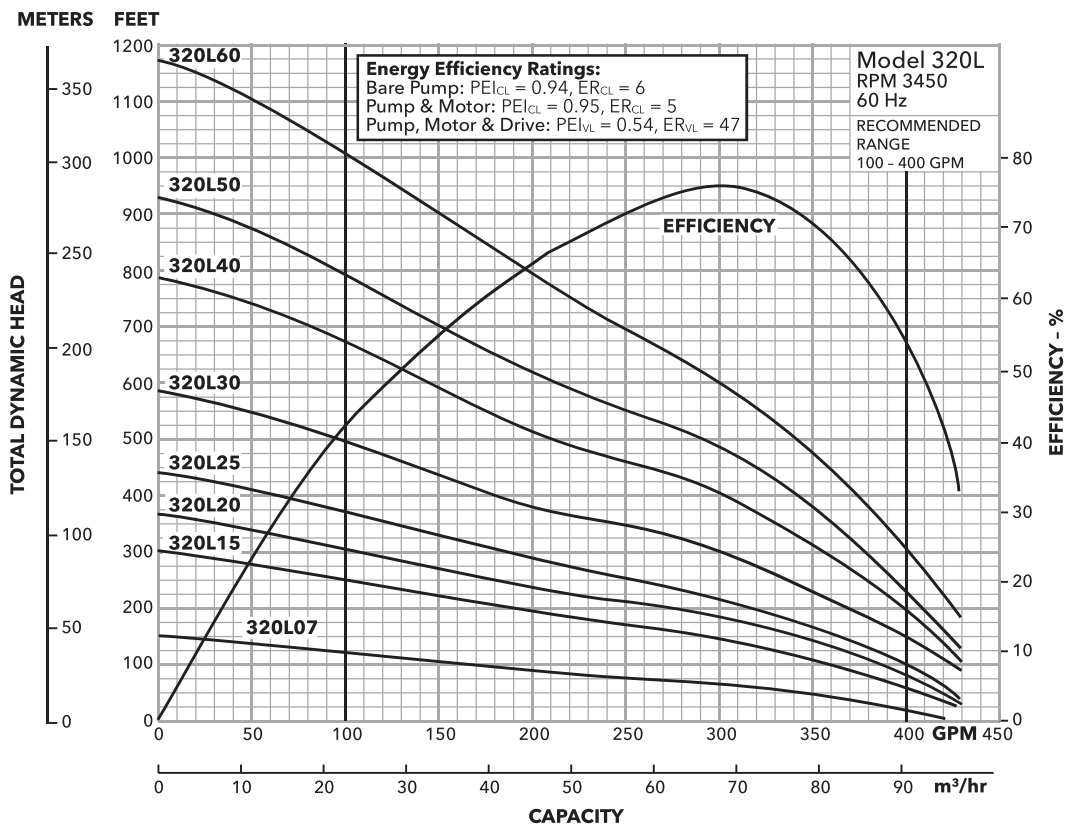
### MODEL 250L



**NOTE:** On 250L, operation below minimum recommended flow will increase motor amp. draw and trip overloads.



### MODEL 320L



**NOTE:** On 320L, operation below minimum recommended flow will increase motor amp. draw and trip overloads.

### MODEL 50L

#### SELECTION CHART

Horsepower Range 3 - 20, Recommended Range 17 - 70 GPM, 60 Hz, 3450 RPM

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																				
	HP	PSI	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750					
50L03 4 Stages	3	0		74	68	62	58	50	42	21																											
		20	69	63	59	52	43	27																													
		30	63	59	52	44	29																														
		40	59	53	45	31																															
		50	53	45	33																																
		60	46	35																																	
50L05R 7 Stages	5	0			56	72	67	62	59	58	54	48	44	40	27																						
		20		49	72	68	62	60	58	55	49	44	41	31																							
		30	45	71	69	63	60	58	55	50	45	41	32																								
		40	71	69	63	60	58	55	50	45	41	33																									
		50	70	63	60	58	56	51	45	42	34																										
		60	64	60	59	56	51	46	42	35																											
50L05 8 Stages	5	0			65	74	72	68	64	62	60	58	54	50	46	42	36	21																			
		20	62	73	72	68	65	62	61	58	55	51	47	43	37	24																					
		30	73	73	69	65	63	61	58	55	51	47	43	37	26																						
		40	73	69	65	63	61	59	56	52	47	43	38	27																							
		50	69	65	63	61	59	56	52	48	44	39	28																								
		60	66	63	61	59	56	52	48	44	39	29																									
50L07 11 Stages	7.5	0			63	72	74	72	68	66	64	62	61	59	57	55	52	49	46	43	39	33	21														
		20		60	72	74	72	69	66	64	62	61	60	58	55	52	49	46	43	40	34	23															
		30	59	71	74	72	69	66	64	63	61	60	58	55	52	49	46	43	40	35	25																
		40	71	74	72	69	66	64	63	61	60	58	56	53	50	47	44	40	35	26																	
		50	74	73	70	67	64	63	61	60	58	56	53	50	47	44	41	36	27																		
		60	73	70	67	65	63	61	60	58	56	53	50	47	44	41	36	27																			
50L10 15 Stages	10	0				57	68	73	74	73	71	68	66	65	63	62	61	60	59	57	56	54	51	49	47	45	43	40	36	30	21						
		20			54	67	72	74	73	71	69	67	65	63	62	61	60	59	58	56	54	52	49	47	45	43	40	37	32	23							
		30		53	66	72	74	73	71	69	67	65	64	62	61	60	59	58	56	54	52	50	47	45	43	41	37	32	24								
		40	52	65	72	74	73	71	69	67	65	64	63	62	61	59	58	56	54	52	50	48	45	43	41	38	33	24									
		50	65	72	74	73	71	69	67	65	64	63	62	61	59	58	56	54	52	50	48	46	43	41	38	33	25										
		60	71	74	73	72	69	67	65	64	63	62	61	60	58	56	55	52	50	48	46	44	41	38	33	26											

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																			
	HP	PSI	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500				
50L15 23 Stages	15	0				63	72	74	72	68	66	64	62	61	59	57	55	52	49	46	43	39	33	21												
		20			62	72	74	72	69	66	64	62	61	59	57	55	52	49	46	43	39	34	22													
		30		50	68	74	73	70	67	65	63	62	60	59	56	54	51	48	45	41	37	29														
		40	33	60	72	74	72	69	66	64	62	61	60	58	55	52	49	46	43	40	34	23														
		50	48	67	73	73	71	68	65	63	62	60	59	57	54	51	48	45	42	38	30															
		60	59	71	74	72	69	66	64	63	61	60	58	55	52	49	46	43	40	35	25															
50L20 27 Stages	20	0				57	68	73	74	73	71	68	66	65	63	62	61	60	59	57	56	54	51	49	47	45	43	40	36	30	21					
		20			56	67	73	74	73	71	68	66	65	63	62	61	60	59	58	56	54	52	49	47	45	43	40	37	31	22						
		30		46	62	71	74	74	72	70	67	66	64	63	62	61	60	58	57	55	53	50	48	46	44	42	39	34	27							
		40		54	67	72	74	73	71	69	67	65	63	62	61	60	59	58	56	54	52	49	47	45	43	40	37	32	23							
		50		44	61	70	73	74	72	70	68	66	64	63	62	61	60	59	57	55	53	51	48	46	44	42	39	35	28							
		60	30	53	66	72	74	73	71	69	67	65	64	62	61	60	59	58	56	54	52	50	47	45	43	41	37	32	24							



## Residential Water Systems

### MODEL 95L

#### SELECTION CHART

Horsepower Range 5 - 40, Recommended Range 25 - 130 GPM, 60 Hz, 3450 RPM

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																						
	HP	PSI	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750	775	800	825				
95L05 3 Stages	5	0		128	128	117	99	88	38																														
		20	128	120	101	90	55																																
		30	121	102	90	62																																	
		40	104	91	67																																		
		50	91	72																																			
		60	76																																				
95L07 5 Stages	7.5	0		128	124	122	117	108	97	89	81	58																											
		20	125	123	118	109	99	90	82	64																													
		30	125	123	118	110	99	90	83	66																													
		40	123	119	111	100	91	84	68																														
		50	119	111	101	91	84	70																															
		60	112	102	92	85	72	26																															
95L10 7 Stages	10	0		128	126	125	124	120	113	104	96	91	87	77	48																								
		20	128	126	125	124	120	114	106	98	92	87	79	54																									
		30	128	126	125	124	121	114	106	98	92	88	80	57																									
		40	129	126	125	124	121	115	107	99	92	88	81	60																									
		50	126	125	124	121	116	107	99	93	88	82	63																										
		60	125	125	122	116	108	100	93	89	83	65																											
95L15 10 Stages	15	0		129	126	125	125	123	120	116	110	104	99	94	91	88	82	71	45																				
		20	129	127	125	125	123	121	117	111	105	100	95	91	88	83	73	50																					
		30	130	127	125	125	124	121	117	112	106	100	95	91	88	84	74	52																					
		40	130	127	126	125	124	121	117	112	106	100	95	92	89	84	75	55																					
		50	130	127	126	125	124	121	118	112	107	101	96	92	89	85	76	57																					
		60	130	127	126	125	124	122	118	113	107	101	96	92	89	85	77	59																					
95L20 14 Stages	20	0		130	128	127	126	125	124	122	120	117	114	110	106	102	98	94	91	89	86	82	75	63	43														
		20	130	128	127	126	125	124	123	121	118	115	111	107	102	99	95	92	89	86	82	76	65	47															
		30	130	128	127	126	125	124	123	121	118	115	111	107	102	99	95	92	89	87	83	77	66	48															
		40	128	127	126	125	124	123	121	118	115	111	107	103	99	95	92	90	87	83	77	67	50																
		50	129	127	126	125	124	123	121	118	115	111	107	103	99	96	92	90	87	83	78	68	52																
		60	129	127	126	126	125	124	123	121	119	115	112	108	103	99	96	93	90	87	84	78	69	53															

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																					
	HP	PSI	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600							
95L25 17 Stages	25	0		128	126	126	126	125	122	116	109	102	96	91	88	83	67																					
		20	127	126	126	126	124	120	114	106	99	94	90	86	78	56																						
		30	129	126	126	126	125	122	117	110	103	96	92	88	84	71																						
		40	129	123	120	117	114	110	106	101	95	89	81	70	49																							
		50	128	126	126	126	124	120	114	107	100	94	90	87	79	59																						
		60	127	126	126	125	122	118	111	104	97	92	89	84	72																							
95L30 21 Stages	30	0		130	127	126	125	125	124	122	119	115	111	106	101	96	92	89	85	78	66	42																
		20	130	127	126	125	125	124	122	120	116	111	106	101	96	93	89	85	79	67	45																	
		30	129	127	126	125	125	123	121	118	114	109	104	99	95	91	88	83	74	58	29																	
		40	130	127	126	125	125	124	123	120	116	112	106	101	97	93	89	86	80	68	47																	
		50	129	127	126	125	125	124	122	118	114	109	104	99	95	91	88	83	75	60	32																	
		60	128	126	125	125	124	123	120	116	112	107	102	97	93	90	86	80	69	49																		
95L40 28 Stages	40	0		130	128	127	126	125	125	124	123	121	119	116	113	109	106	102	99	95	92	89	86	83	78	70	59	41										
		20	130	128	127	126	126	125	124	123	121	119	116	113	110	106	102	99	96	92	90	87	83	78	71	60	43											
		30	129	128	127	126	125	125	124	124	122	120	118	115	112	108	104	101	97	94	91	88	85	81	75	66	53	32										
		40	130	129	127	126	126	125	1																													



## Residential Water Systems

### MODEL 160L

#### SELECTION CHART

Horsepower Range 3 - 60, Recommended Range 50 - 240 GPM, 60 Hz, 3450 RPM

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																													
	HP	PSI	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250			
160L03	3	0	243	237	208	177	147	102																						
		10	198	167	136	86																								
		20	124	62																										

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																		
	HP	PSI	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750			
160L05 2 Stages	5	0	236	214	185	149	87																												
		20	190	155	100																														
		30	158	105																															
		40	111																																
160L07 3 Stages	7.5	0	231	239	227	207	184	158	123	68																									
		20	229	210	188	162	129	78																											
		30	212	189	164	132	83																												
		40	191	166	135	88																													
		50	168	138	92																														
		60	140	97																															
160L10 4 Stages	10	0				233	218	203	185	164	137	103	57																						
		20		234	221	205	188	167	142	109	65																								
		30	235	222	206	189	169	144	111	69																									
		40	223	208	191	171	146	114	73																										
		50	209	192	172	148	117	76																											
		60	193	174	150	120	80																												
160L15 6 Stages	15	0				239	231	222	212	201	190	178	164	148	129	104	74																		
		20				232	223	213	203	192	180	166	151	132	108	79																			
		30				233	224	214	204	193	181	167	152	134	110	81																			
		40		234	225	215	204	193	182	169	153	135	112	84																					
		50	234	225	216	205	194	183	170	155	137	114	86	50																					
		60	226	216	206	195	183	171	156	138	116	89	53																						
160L20 8 Stages	20	0						234	225	217	209	200	192	183	173	163	151	137	121	102	79	51													
		20					235	227	218	210	202	193	184	175	165	153	140	124	105	83	56														
		30					236	227	219	211	202	194	185	176	165	154	141	125	107	85	58														
		40				236	228	220	211	203	195	186	176	166	155	142	126	108	86	60															
		50			237	229	220	212	204	195	186	177	167	156	143	128	110	88	62																
		60		237	229	221	213	204	196	187	178	168	157	144	129	111	90	65																	
160L25 9 Stages	25	0							238	232	225	218	212	205	199	192	185	177	168	158	147	133	117	98	76	50									
		20					239	233	226	219	213	206	200	193	186	178	170	160	149	136	120	102	80	54											
		30					240	233	227	220	213	207	200	194	187	179	170	161	150	137	121	103	82	56											
		40					240	234	227	220	214	207	201	194	187	179	171	162	151	138	123	105	83	58											
		50				234	228	221	214	208	201	195	188	180	172	162	151	139	124	106	85	60													
		60			235	228	221	215	208	202	195	188	181	172	163	152	140	125	108	87	62														
160L30 11 Stages	30	0								237	233	228	223	218	213	208	203	198	192	186	180	173	166	157	148	137	124	109	92	73	50				
		20							238	233	229	224	219	214	209	204	199	193	187	181	175	167	159	149	139	126	112	95	76	54					
		30						238	234	229	224	219	214	209	204	199	194	188	182	175	168	159	150	139	127	113	96	77	56						
		40							239	234	229	224	220	215	210	205	199	194	188	182	176	168	160	151	140	128	114	98	79	57					
		50				239	234	230	225	220	215	210	205	200	194	189	183	176	169	161	152	141	129	115	99	80	59								
		60			239	235	230	225	220	215	210	205	200	195	189	183	177	169	161	152	142	130	116	100	82	61									

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																	
	HP	PSI	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350				
160L40 15 Stages	40	0							238	230	222	214	207	199	192	184	175	166	154	139	122	99	72											
		20						239	235	231	223	215	207	200	192	185	176	166	155	141	123	101	74											
		30					239	235	231	227	219	211	204	196	189	181	172	161	149	133	114	89	59											
		40				239	235	231	227	223	215	208	200	193	185	177	167	156	142	125	103	76												
		50		240	236	232	228	224	220	212	204	197	189	181	172	162	150	134	115	91	62													
		60	240	236	232	228	224	220	216	208	201	194	186	177	168	157	143	126	105	78														
160L50 18 Stages	50	0								239	233	228	223	218	213	208	202	196	189	181	171	160	148	133	116	97	74							
		20							239	234	229	224	219	214	208	203	196	189	181	172	161	149	134	118	98	76	51							
		30							239	237	231	226	221	216	211	206	200	193	186	177	167	156	142	127	109	88	65							
		40							239	237	234	229	224	219	214	209	203	197	190	182	173	162	150	135	119	100	78	53						
		50						240	237	234	232	227	222	217	212	206	200	194	186	178	168	157	143	128	110	90	67							
		60			240	237	234	232	229	224	219	214	209	204	197	190	182	173	163	151	137	120	101	80	55									
160L60 20 Stages	60	0											237	230	224	219	213	207	201	195	189	182	174	165	155									

## Residential Water Systems

### MODEL 250L

#### SELECTION CHART

Horsepower Range 7.5 - 60, Recommended Range 70 - 300 GPM, 60 Hz, 3450 RPM

Pump Model	HP	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																				
		PSI	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750	775	800				
250L07 2 Stages	7.5	0		286	224	149	74																															
		20	235	161	85																																	
		30	167	91																																		
		40	96																																			
		50																																				
250L10 3 Stages	10	0			294	259	213	160	105	68																												
		20	298	265	221	168	113	78																														
		30	268	224	173	117	83																															
		40	228	177	122	69																																
		50	181	126	72																																	
250L15 5 Stages	15	0					291	271	246	217	183	148	112	77																								
		20			294	275	250	221	189	153	117	82																										
		30		295	276	252	224	191	156	120	84																											
		40	296	278	254	226	194	159	123	87																												
		50	280	256	228	196	162	125	90																													
250L20 7 Stages	20	0						301	291	277	257	233	205	175	145	117	94	75																				
		20					293	280	261	237	209	179	149	121	97	78																						
		30				294	281	262	239	211	181	151	123	99	79																							
		40				295	282	264	241	214	184	154	125	101	80																							
		50			295	283	266	243	216	186	156	127	102	82																								
250L25 8 Stages	25	0						298	289	275	258	238	216	192	167	143	121	101	83																			
		20					299	290	277	261	241	219	195	171	147	124	104	86	70																			
		30				300	291	279	262	243	221	197	173	149	126	105	87	71																				
		40				300	292	280	264	244	223	199	175	150	128	107	88	72																				
		50			301	293	281	265	246	224	201	176	152	129	108	90	74																					
250L30 9 Stages	30	0						299	289	277	264	249	233	216	198	180	160	141	121	102	83																	
		20					300	290	279	266	251	236	219	201	182	163	144	124	105	86																		
		30					291	280	267	253	237	220	202	184	165	145	126	106	87																			
		40				292	281	268	254	238	221	204	185	166	147	127	108	89	70																			
		50			293	282	269	255	240	223	205	187	168	148	129	109	90	72																				
250L40 13 Stages	40	0												300	295	287	278	266	253	239	224	209	194	179	165	151	138	125	113	101	90	79						
		20												296	289	279	268	255	241	226	211	197	182	167	153	140	127	114	103	91	80	69						
		30												297	289	280	269	256	242	227	213	198	183	168	154	141	128	115	104	92	81	70						
		40											297	290	281	270	257	243	229	214	199	184	169	155	142	129	116	104	93	82	71							
		50										297	291	282	270	258	244	230	215	200	185	170	156	143	130	117	105	94	83	72								
60								298	291	282	271	259	245	231	216	201	186	172	157	144	131	118	106	95	84	73												

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																
			200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750	775	800	825	850	875	900	925	950		
250L50 16 Stages	50	0								300	295	289	283	276	269	261	253	245	236	227	218	208	198	188	177	166	156	145	134	123	111	100	89	79	
		20						296	290	284	277	270	262	255	246	238	228	219	209	199	189	179	168	157	146	135	124	113	102	91	80	70			
		30					296	291	284	278	271	263	255	247	238	230	220	210	200	190	180	169	158	147	136	125	114	103	92	81	71				
		40				297	291	285	278	271	264	256	248	239	230	221	211	201	191	180	170	159	148	137	126	115	104	93	82	71					
		50			297	291	285	279	272	264	256	248	240	231	221	212	202	192	181	171	160	149	138	127	116	105	94	83	72						
60			298	292	286	279	272	265	257	249	240	231	222	212	203	192	182	171	161	150	139	128	116	105	94	84	73								

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																		
			400	425	450	475	500	525	550	600	625	650	675	700	725	750	775	800	825	850	875	900	925	950	1000	1025	1050	1075	1100	1125	1150	1175	1200				
250L60 19 Stages	60	0						298	294	289	284	278	271	263	255	246	236	227	217	206	196	185	174	164	154	144	134	124	115	107	99	91	84	77	70		
		20					299	295	290	285	279	272	264	256	247	238	228	218	208	197	187	176	165	155	145	135	126	117	108	100	92	85	78	71			
		30				299	295	291	285	279	272	265	257	248	239	229	219	209	198	187	177	166	156	146	136	127	117	109	101	93	85	78	72				
		40			299	295	291	286	280	273	265	257	249	239	230	220	209	199	188	178	167	157	147	137	127	118	109	101	93	86	79	72					
		50	299	296	291	286	280	273	266	258	249	240	230	220	210	200	189	178	168	157	147	137	128	119	110	102	94	86	79	73							
60	296	292	287	281	274	267	259	250	241	231	221	211	200	190	179	169	158	148	138	129	119	111	102	94	87	80	73										

# MODEL 320L

## SELECTION CHART

Horsepower Range 7.5 - 60, Recommended Range 100 - 400 GPM, 60 Hz, 3450 RPM

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																														
	HP	PSI	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650			
320L07 2 Stages	7.5	0		343	262	172																									
		20	275	186																											
		30	193	100																											
		40	107																												
		50																													
		60																													
320L15 4 Stages	15	0		392	393	370	332	286	237	189	143																				
		20	394	374	338	293	245	196	150	105																					
		30	376	341	297	248	200	153	108																						
		40	344	300	252	204	157	112																							
		50	304	256	207	160	115																								
		60	260	211	164	119																									
320L20 5 Stages	20	0				391	365	336	303	267	228	188	147	105																	
		20		394	370	341	308	273	234	194	153	112																			
		30	396	372	343	311	275	237	197	156	115																				
		40	374	345	313	278	240	200	159	118																					
		50	348	316	281	243	203	162	121																						
		60	319	284	246	207	166	124																							
320L25 6 Stages	25	0					387	366	343	316	288	257	225	191	157	123															
		20			390	370	346	320	292	262	230	196	162	128																	
		30		392	371	348	322	294	264	232	199	165	130																		
		40	393	373	350	324	296	266	235	201	167	133																			
		50	375	352	326	299	269	237	204	170	136	101																			
		60	354	328	301	271	239	206	173	138	104																				
320L30 8 Stages	30	0						391	375	357	336	314	291	267	242	217	192	166	141	116											
		20					393	378	360	340	318	295	271	246	221	196	170	145	120												
		30				395	379	361	341	319	296	273	248	223	197	172	147	122													
		40			396	380	363	343	321	298	274	250	225	199	174	149	124														
		50		397	382	364	344	323	300	276	252	227	201	176	151	125	100														
		60	398	383	365	346	324	302	278	254	229	203	178	153	127	102															
320L40 11 Stages	40	0								399	388	375	361	346	331	314	297	280	262	244	225	207	188	169	150	131	113				
		20								390	377	363	349	333	317	300	282	265	246	228	209	191	172	153	134	115					
		30							390	378	365	350	334	318	301	284	266	248	229	211	192	173	155	136	117						
		40							391	379	366	351	336	319	302	285	267	249	231	212	194	175	156	137	118						
		50						392	380	367	352	337	321	304	286	269	251	232	214	195	176	158	139	120	101						
		60					393	381	368	353	338	322	305	288	270	252	234	215	196	178	159	140	121	102							

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																										
	HP	PSI	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750	775	
320L50 13 Stages	50	0					395	387	378	367	355	343	330	316	301	286	270	254	238	222	205	188	172	155	138	122	106
		20		396	388	379	369	357	345	332	318	303	288	273	257	241	224	208	191	174	158	141	124	108	146	135	
		30	397	389	380	369	358	346	333	319	304	289	274	258	242	225	209	192	176	159	142	126	109	147	136	125	
		40	390	381	370	359	347	334	320	306	291	275	259	243	227	210	193	177	160	143	127	111					
		50	381	371	360	348	335	321	307	292	276	260	244	228	211	195	178	161	145	128	112						
		60	372	361	349	336	322	308	293	277	262	246	229	213	196	179	163	146	129	113							

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																		
	HP	PSI	200	225	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	625	650	675	700	725	750	775	800	825	850	875	900	925	950	975	1000
320L60 16 Stages	60	0							395	389	383	376	368	360	351	341	331	320	308	295	281	268	253	239	224	209	195	181	167	154	142	130	120	109	100
		20					396	390	384	377	369	361	352	343	332	321	309	297	284	270	255	241	226	212	197	183	169	156	144	132	121	111	101		
		30					397	391	384	377	370	362	353	344	333	322	310	298	285	271	257	242	227	213	198	184	170	157	145	133	122	112	102		
		40				397	391	385	378	370	362	354	344	334	323	311	299	286	272	258	243	228	214	199	185	171	158	146	134	123	112	103			
		50		398	391	385	378	371	363	354	345	335	324	312	300	287	273	259	244	230	215	200	186	172	159	146	135	124	113	103					
		60	398	392	386	379	372	364	355	346	336	325	313	301	288	274	260	245	231	216	201	187	173	160	147	136	124	114	104						



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