



ITT

B65-320L

Residential Water Systems

Goulds Pumps

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

6" Stainless Steel Submersible Pumps

60 Hz High Capacity

For 6" and larger wells



Goulds Pumps is a brand of ITT Corporation.

www.goulds.com

Engineered for life

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.
- **NEMA Design Motors:** 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.

SPECIFICATIONS

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

* 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.

"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	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	
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:

- 6" Pump with 3" NPT discharge.
- 4" Motor Adapter on 3 and 5 HP models.
- 6" Motor Adapter on 7.5 HP and larger models.

■ Motor:

- 4" motor required for 3 HP and 5 HP pumps.
- 6" motor required for 7.5 HP and larger pumps.

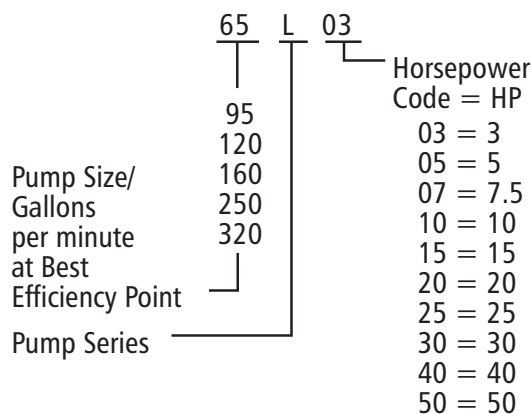
■ Control Box: Required for all single phase motors.

■ 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.

Goulds Pumps is ISO 9001 Registered.

ORDER NUMBER CODE



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.
65L	65L03	3	3	4	18.6	472	5.59	142	26	12
	65L05	5	5		22.2	564		142	31	14
	65L07	7	7.5	6	25.8	656	5.67	144	35	16
	65L10	10	10		31.3	794		144	44	20
	65L15	16	15		42.1	1070		144	60	27
	65L20	21	20		53.0	1346		144	75	34
	65L25	27	25		63.9	1622		144	90	41
	65L30 *	32	30		98.7	2508	6.97*	177	220	100
	65L40 *	41	40		115.0	2922		177	253	115
95L	95L05	3	5	4	18.6	472	5.59	142	26	12
	95L07	5	7.5	6	22.2	564	5.67	144	31	14
	95L10	7	10		25.8	656		144	35	16
	95L15	10	15		31.3	794		144	44	20
	95L20	14	20		38.5	978		144	53	24
	95L25	17	25		43.9	1116		144	62	28
	95L30	21	30		53.0	1346	144	75	34	
	95L40 *	28	40		67.3	1710	6.97*	177	156	71
120L	120L05	2	5	4	16.8	426	5.59	142	22	10
	120L07	3	7.5	6	19.5	495	5.67	144	26	12
	120L10	5	10		24.9	633		144	33	15
	120L15	7	15		30.4	771		144	40	18
	120L20	10	20		38.5	978		144	51	23
	120L25	12	25		43.9	1116		144	57	26
	120L30	15	30		52.1	1323	144	68	31	
	120L40	20	40		65.7	1668	144	86	39	
	120L50 *	24	50	80.9	2055	6.97*	177	179	81	
160L	160L05	2	5	4	17.2	436	5.59	142	22	10
	160L07	3	7.5	6	19.9	505	5.67	144	26	12
	160L10	4	10		22.6	574		144	31	14
	160L15	6	15		28.0	712		144	37	17
	160L20	8	20		33.5	850		144	44	20
	160L25	9	25		36.2	919		144	46	21
	160L30	11	30		41.6	1057	144	53	24	
	160L40	15	40		52.5	1333	144	68	31	
160L50	18	50	60.6	1540	144	77	35			
250L	250L07	2	7.5	6	20.8	528	5.67	144	26	12
	250L10	3	10		25.3	643		144	33	15
	250L15	5	15		34.4	873		144	44	20
	250L20	7	20		43.4	1103		144	55	25
	250L25	8	25		48.0	1218		144	60	27
	250L30	9	30		52.5	1333		144	66	30
	250L40	13	40		70.6	1793		144	88	40
	250L50	16	50		84.2	2138		144	104	47
320L	320L07	2	7.5	6	21.8	553	5.67	144	27	12
	320L15	4	15		30.8	783		144	38	17
	320L20	5	20		35.4	898		144	45	20
	320L25	6	25		39.9	1013		144	50	22
	320L30	8	30		49.0	1243		144	61	27
	320L40	11	40		62.5	1588		144	78	35
	320L50	13	50		71.6	1818		144	89	40

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

MOTOR DATA

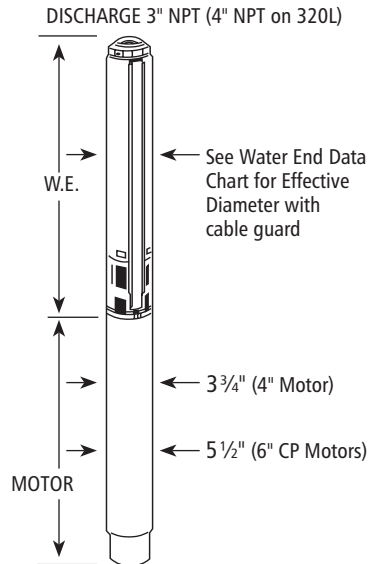
NOTE: 4" Diameter motors are required for 3 and 5 HP "L" Series pumps
6" Diameter motors are required for 7.5 HP and larger "L" Series pumps.

CentriPro 4" Motors

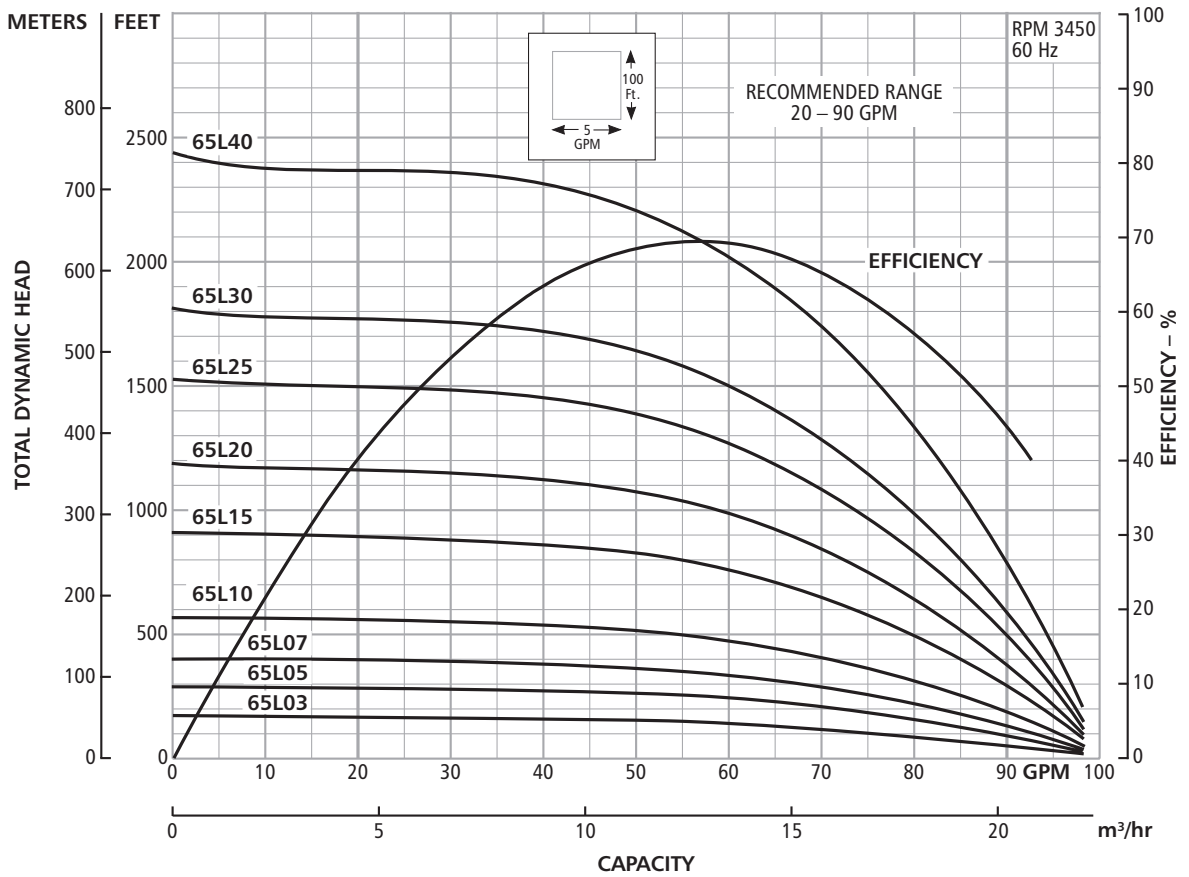
Single Phase Motors – Dimensions and Weights					
Motor Order No.	HP	Motor Dia.	Volts	Length in. (mm)	Weight lbs. (Kg)
M30412	3	4"	230	18.3 (466)	40 (18.1)
M50412	5			27.7 (703)	70 (31.8)
Three Phase Motors – Dimensions and Weights					
M30430	3	4"	200	15.3 (389)	32 (14.5)
M30432			230		
M30434			460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

CentriPro 6" Motors

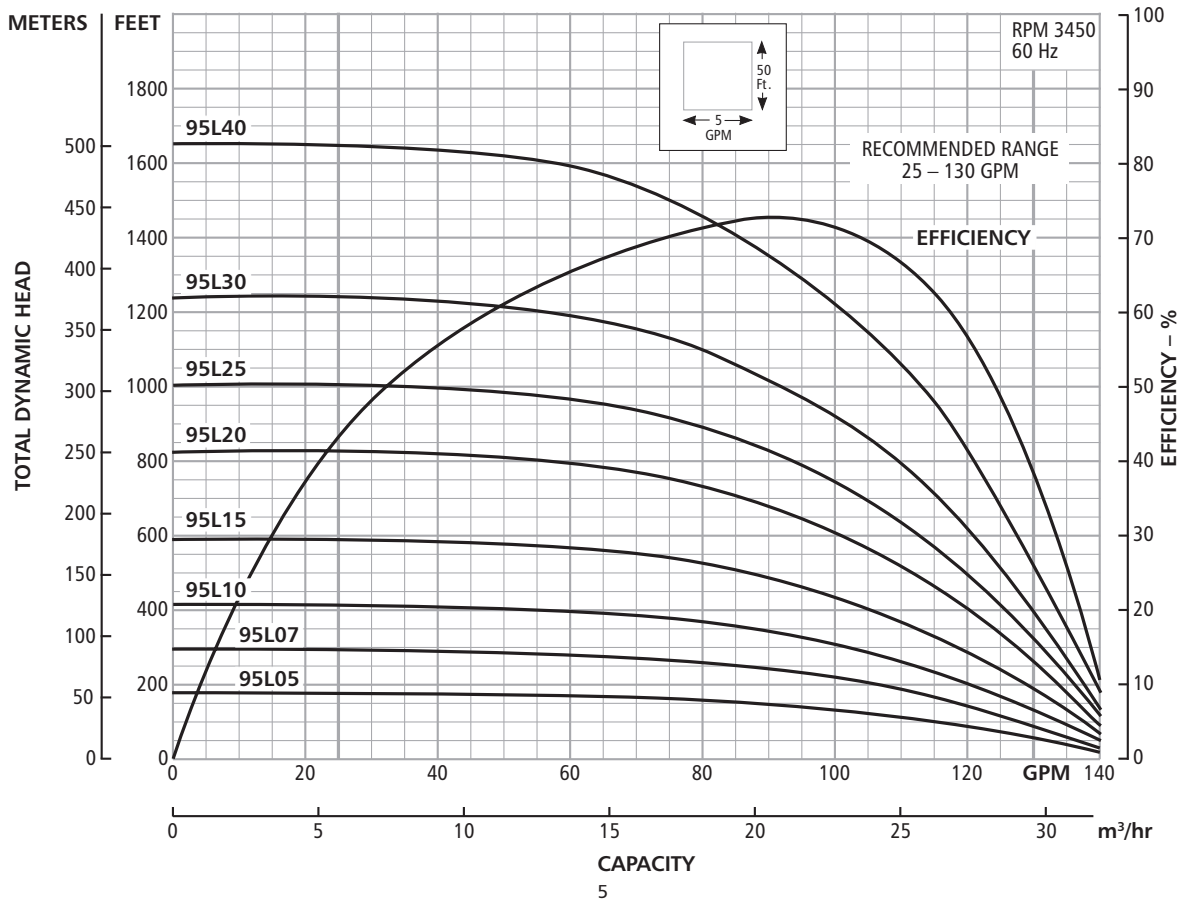
Single Phase Motors – Dimensions and Weights					
Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
6M071	7.5	6"	230	29.9	128
6M101	10	6"	230		
6M151	15	6"	230	33.5	148
Three Phase Motors – Dimensions and Weights					
6M078	7.5	6"	200	24.8	99
6M072			230		
6M074			460		
6M108	10	6"	200	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



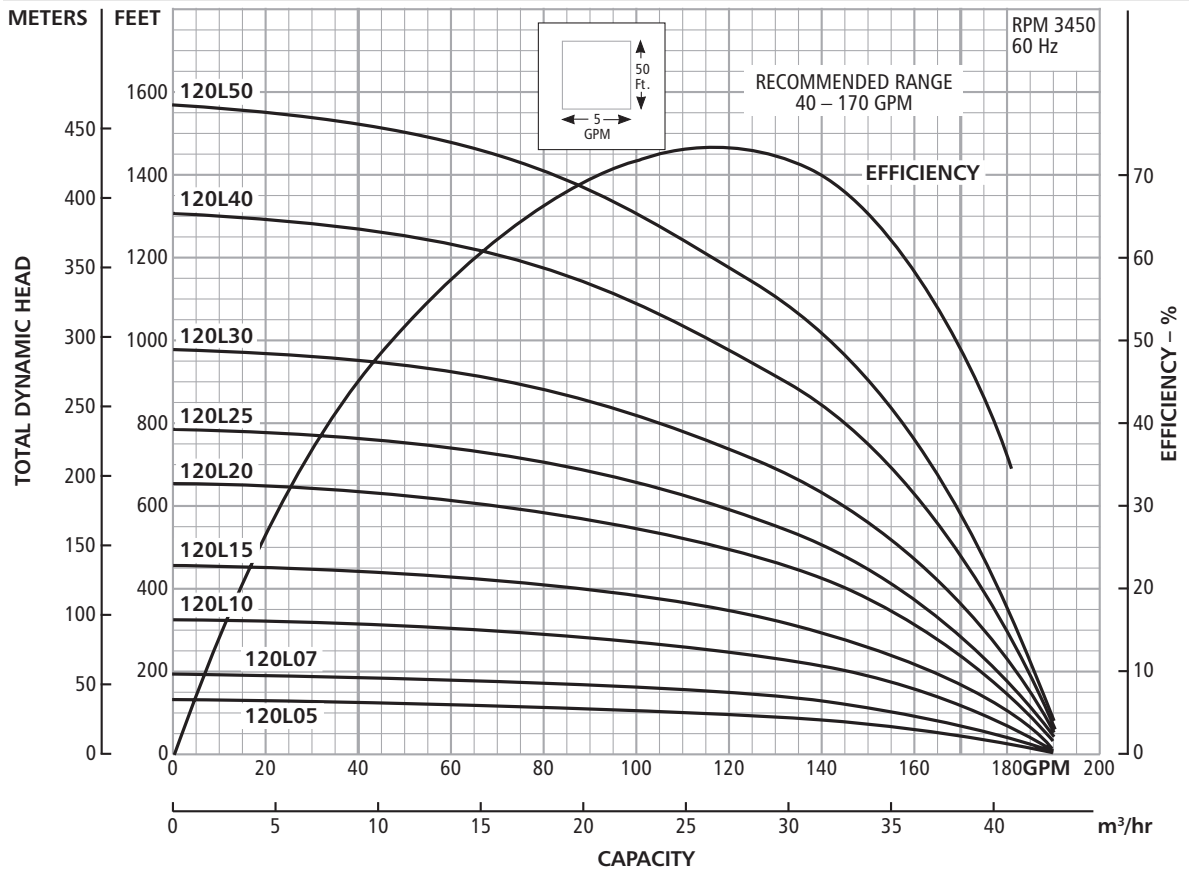
Model 65L



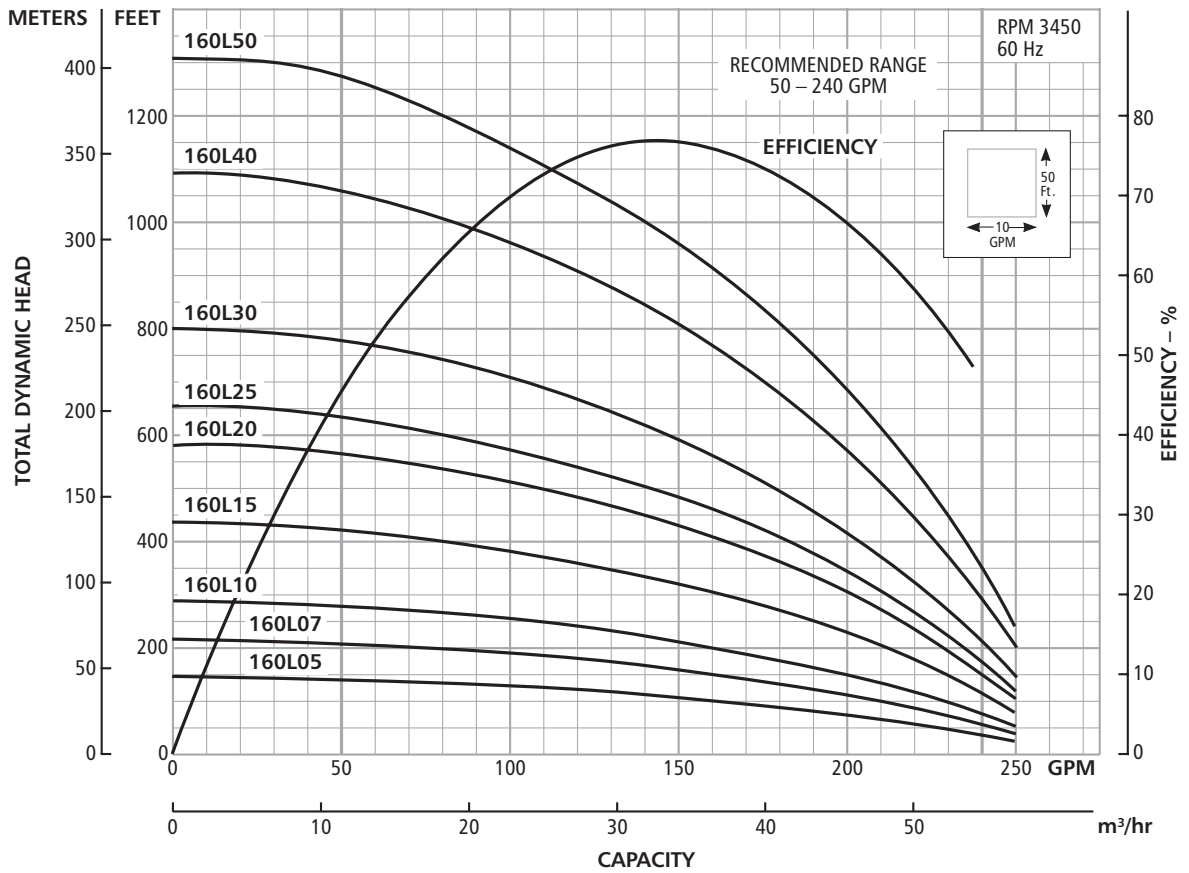
Model 95L



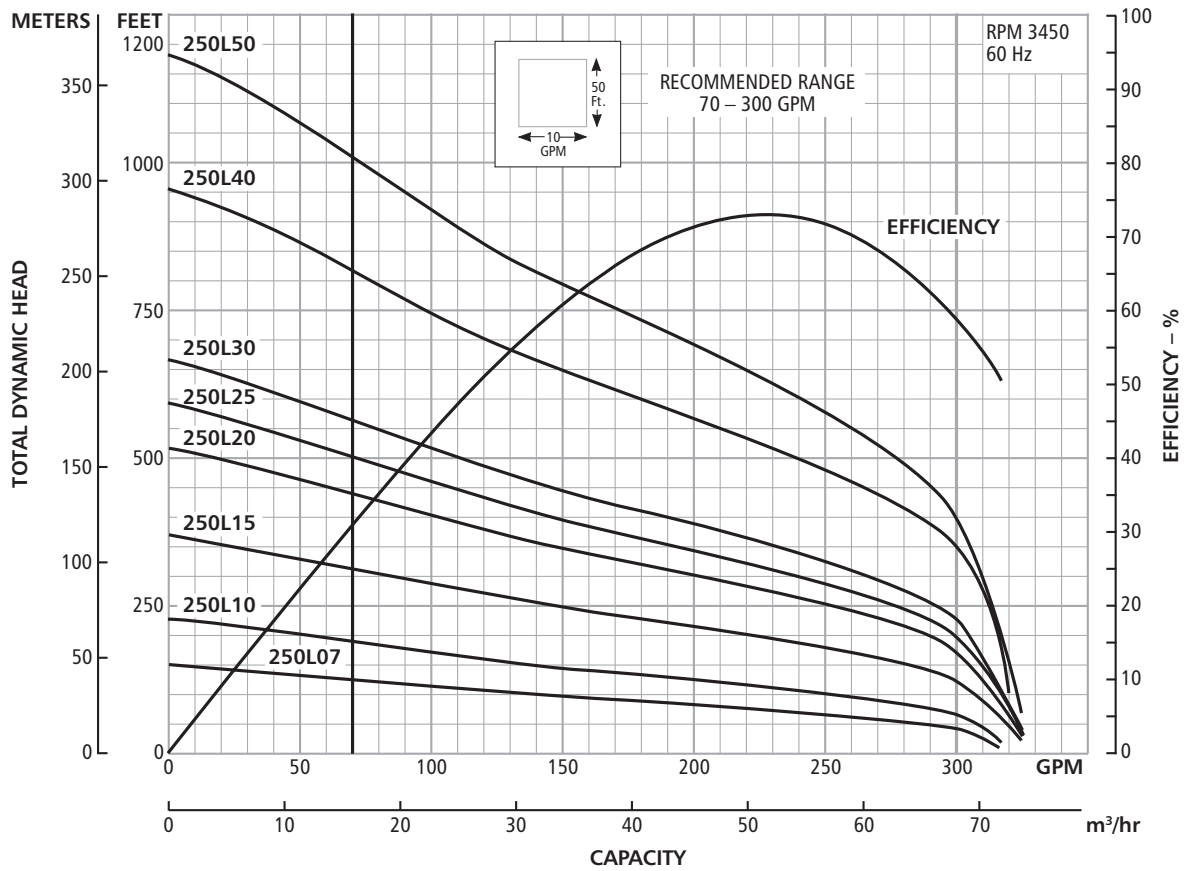
Model 120L



Model 160L

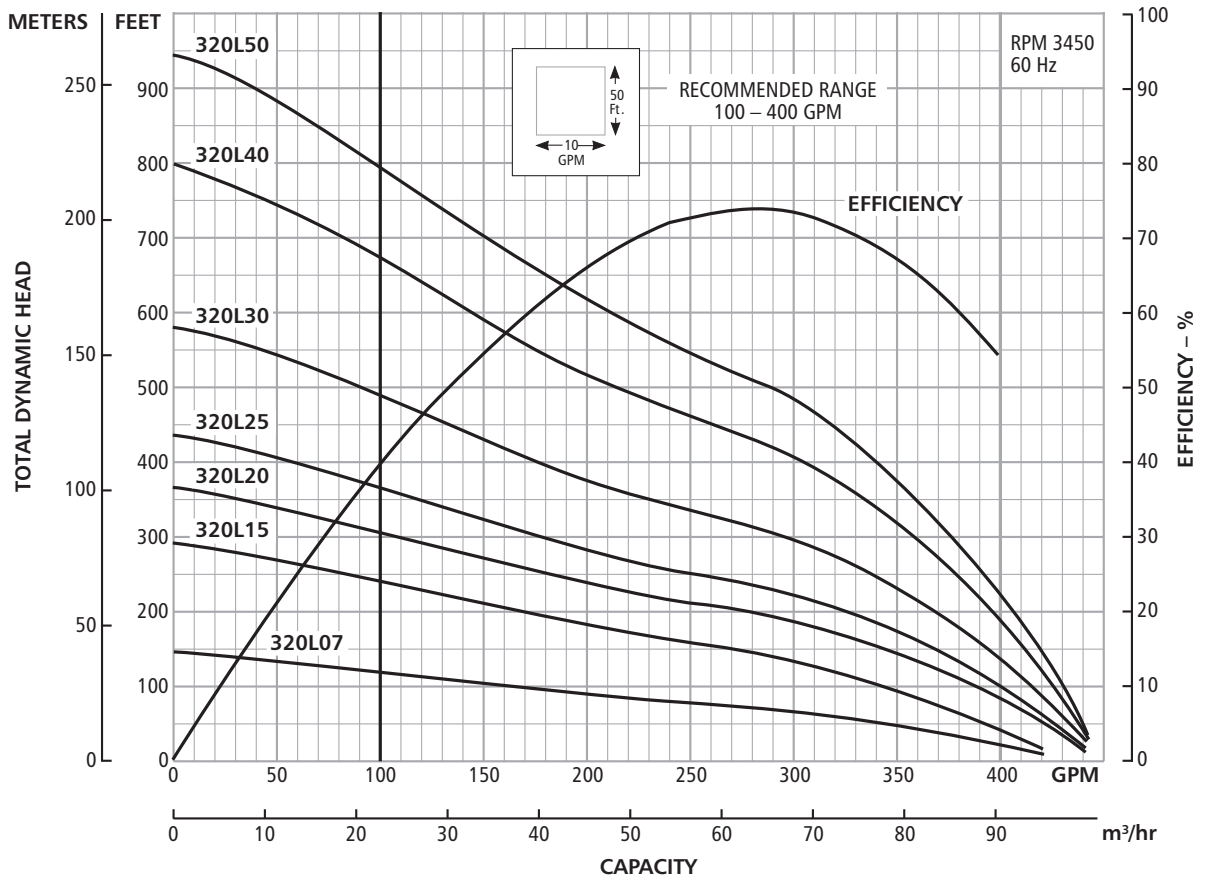


Model 250L



NOTE: Operation below minimum recommended flow will increase motor amp. draw and trip overloads.

Model 320L



NOTE: Operation below minimum recommended flow will increase motor amp. draw and trip overloads.

Model 160L

SELECTION CHART

Horsepower Range 5 – 50, Recommended Range 50 – 240 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	350	400	450	500	550	600	650	700	750				
160L05 2 Stages	5	0			229	203	164	103																			
		20	207	171	114																						
		30	174	119																							
		40	124																								
		50																									
		60																									
160L07 3 Stages	7.5	0				230	212	191	164	126	75																
		20	232	215	195	168	133	84																			
		30	216	196	171	136	88																				
		40	198	173	139	92																					
		50	175	142	96																						
		60	145	100																							
160L10 4 Stages	10	0				240	229	217	203	185	163	137	104	63													
		20				231	219	205	188	167	142	110	70														
		30	232	220	206	189	169	144	113	73																	
		40	221	208	191	170	146	115	77																		
		50	209	192	172	148	118	80																			
		60	194	174	150	120	83																				
160L15 6 Stages	15	0						236	229	221	213	203	191	178	163	126	78										
		20						237	230	223	214	205	193	180	165	149	130	82									
		30						237	230	223	215	205	194	181	166	150	131	110	54								
		40	238	231	224	216	206	195	182	168	151	133	111	86													
		50	231	224	216	207	196	183	169	153	134	113	88	59													
		60	225	217	208	197	184	170	154	136	115	90	61														
160L20 8 Stages	20	0							239	234	229	224	218	211	203	185	163	136	104	62							
		20							235	230	224	219	212	204	196	187	165	139	107	66							
		30							235	230	225	219	212	205	197	187	177	153	125	89	43						
		40							236	231	225	219	213	206	197	188	178	167	141	109	69						
		50							236	231	226	220	213	206	198	189	179	168	155	127	92						
		60	236	231	226	220	214	207	199	190	180	168	156	143	112	73											
160L25 9 Stages	25	0								238	234	229	224	219	213	200	183	163	140	112	77						
		20								239	234	230	225	220	214	208	201	184	165	142	114	80					
		30								239	235	230	225	220	215	208	201	193	176	155	130	99	62				
		40								240	235	230	226	221	215	209	202	194	186	166	144	116	83				
		50								240	235	231	226	221	215	209	202	195	186	177	156	132	102	65			
		60								236	231	226	221	216	210	203	195	187	178	168	145	119	86				
160L30 11 Stages	30	0										237	233	229	225	216	206	194	180	163	145	123	97	67			
		20										237	233	230	226	221	217	207	195	181	165	146	125	100	69		
		30										237	234	230	226	222	217	212	201	189	174	156	137	114	86	53	
		40										238	234	230	226	222	218	213	208	196	182	166	148	127	102	72	
		50										238	234	230	227	222	218	213	208	202	190	175	158	138	116	89	56
		60										238	234	230	227	223	218	214	208	203	197	183	167	149	128	104	74

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	1100	1200			
160L40 15 Stages	40	0							240	237	232	226	220	213	205	196	187	176	163	150	135	118	99	78				
		20							238	235	232	227	220	214	206	197	187	176	164	151	136	119	101	79	54			
		30							238	235	232	230	224	217	210	202	193	182	171	158	144	129	111	91	68			
		40							238	235	233	230	227	221	214	206	198	188	177	165	152	137	121	102	81	56		
		50							238	236	233	230	227	224	218	211	203	193	183	172	159	145	130	112	93	70		
		60	239	236	233	230	227	225	221	215	207	199	189	178	166	153	138	122	104	83	58							
160L50 18 Stages	50	0								238	233	229	224	219	213	207	200	192	184	174	164	153	141	128	97	59		
		20								238	234	229	224	219	213	207	200	192	184	174	164	153	141	128	97	59		
		30								239	236	232	227	222	217	211	204	196	188	179	170	159	148	135	121	89		
		40								239	236	234	230	225	220	214	208	201	193	184	175	165	154	142	129	114	81	
		50								239	237	234	232	227	222	217	211	204	197	189	180	170	160	148	136	122	107	72
		60								239	237	234	232	230	225	220	214	208	201	193	185	176	166	155	143	130	116	100

Model 250L

SELECTION CHART

Horsepower Range 7.5 – 50, Recommended Range 70 – 300 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	350	400	450	500	550	600	650	700	750	800	850	900	950	1000		
250L07 2 Stages	0			290	227	146	77																							
	20	238	158	86																										
	30	164	91																											
	40	96																												
	50																													
	60																													
250L10 3 Stages	0				290	252	200	145	97																					
	20	294	259	208	153	103																								
	30	262	212	157	107																									
	40	216	161	110																										
	50	165	114	71																										
	60	117	74																											
250L15 5 Stages	0						299	282	256	223	185	147	113	84																
	20						286	261	228	191	153	118	88																	
	30						287	263	231	194	156	120	90																	
	40						289	265	234	197	159	123	92																	
	50	290	267	236	200	161	125	95																						
	60	269	239	203	164	128	97	71																						
250L20 7 Stages	0							299	289	274	253	228	202	147	101															
	20							300	291	276	256	232	206	178	151	104														
	30							292	278	258	234	208	180	153	128	86														
	40							293	279	260	236	210	182	155	130	107														
	50							294	280	261	238	212	184	157	132	109	88													
	60	295	281	263	240	214	187	159	134	110	90	72																		
250L25 8 Stages	0								299	291	278	261	241	194	147	106	72													
	20								292	280	264	244	222	198	150	108	75													
	30								293	281	265	246	224	200	176	130	92													
	40								294	282	267	247	225	202	178	154	111	77												
	50								295	283	268	249	227	204	179	156	133	95												
	60								295	284	269	250	229	205	181	158	135	114	79											
250L30 9 Stages	0									299	292	281	267	231	189	147	110	79												
	20									293	283	269	253	234	192	150	113	81												
	30									294	284	271	254	236	215	173	132	97												
	40									295	285	272	256	237	217	196	153	115	84											
	50									295	286	273	257	239	218	197	176	135	100	71										
	60									296	287	274	258	240	220	199	178	156	118	86										
250L40 13 Stages	0															299	283	264	240	212	182	151	122	97	77					
	20															284	265	242	214	184	153	124	99	78						
	30															293	276	255	230	201	169	139	112	89						
	40															294	286	267	244	217	186	155	126	101	79					
	50															294	286	277	257	232	203	172	141	114	90	71				
	60															295	287	278	269	246	219	189	158	128	102	81				
250L50 16 Stages	0																299	290	278	261	241	218	195	171	147	126	106	88	72	
	20																300	291	279	262	242	220	197	173	149	127	107	90	74	
	30																296	286	272	253	232	209	185	162	139	118	99	82		
	40																292	280	264	244	222	198	174	151	129	109	91	75		
	50																297	287	273	255	234	211	187	163	140	119	100	83		
	60																297	293	281	265	246	224	200	176	153	130	110	92	76	

NOTE: Operation below minimum recommended flow will increase motor amp. draw and trip overloads.

Model 320L

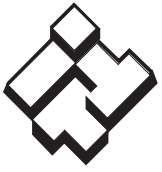
SELECTION CHART

Horsepower Range 7.5 – 50, Recommended Range 100 – 400 GPM, 60 Hz, 3450 RPM

Pump Model	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																											
	HP	PSI	10	25	50	75	100	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700	750				
320L07 2 Stages	7.5	0		393	346	265	164																					
		20	330	280	179																							
		30	248	187	101																							
		40	155	106																								
		50																										
		60																										
320L15 4 Stages	15	0			394	375	348	310	264	214	165	123																
		20	390	378	353	317	271	221	172	129																		
		30	371	355	320	275	225	176	132																			
		40	345	323	279	229	180	135																				
		50	309	282	233	183	138																					
		60	267	237	187	141	102																					
320L20 5 Stages	20	0					391	371	345	310	269	224	179	140	106													
		20			393	374	349	316	275	231	186	145	111															
		30		394	376	351	319	279	234	189	148	114																
		40	389	377	353	321	282	238	192	151	116																	
		50	370	356	324	285	241	196	154	118																		
		60	346	327	288	244	199	157	121																			
320L25 6 Stages	25	0						388	372	350	323	290	253	216	179	118												
		20				390	375	354	327	295	259	221	185	151	122													
		30			392	376	356	329	298	262	224	187	153	124														
		40	400	392	378	357	332	300	265	227	190	156	126															
		50	388	379	359	334	303	267	230	193	158	128	102															
		60	373	361	336	305	270	233	195	161	130	103																
320L30 8 Stages	30	0							395	385	372	356	337	314	289	234	179	131										
		20					396	386	374	358	340	318	293	266	238	183	135											
		30				397	387	375	360	341	320	295	268	241	212	160	115											
		40			398	388	376	361	343	321	297	271	243	215	187	138												
		50		398	389	377	362	344	323	299	273	245	217	189	163	119												
		60	395	390	378	363	346	325	301	275	247	219	191	165	141	100												
320L40 11 Stages	40	0									397	389	381	371	360	333	299	260	219	179	143	113						
		20							398	390	382	373	362	349	335	302	263	222	182	146	115							
		30						398	391	383	374	363	350	336	321	285	244	203	165	131	102							
		40					399	392	384	375	365	352	339	323	306	287	247	206	167	133	104							
		50				399	392	384	375	365	352	339	323	306	287	247	206	167	133	104								
		60			400	393	385	376	365	353	340	324	307	289	269	228	188	151	119									
320L50 13 Stages	50	0										399	393	387	380	362	340	313	282	248	213	179	148	122				
		20									400	394	388	381	373	364	342	315	284	250	215	181	151	123				
		30									395	388	381	374	365	354	330	301	269	234	199	167	138	112				
		40								395	389	382	374	365	355	344	317	287	253	218	184	153	125	101				
		50						396	389	383	375	366	356	345	332	304	271	237	202	169	140	114						
		60				396	390	383	375	367	357	346	333	320	289	255	221	186	155	127	103							

NOTE: Operation below minimum recommended flow will increase motor amp. draw and trip overloads.

NOTES



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SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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