

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.

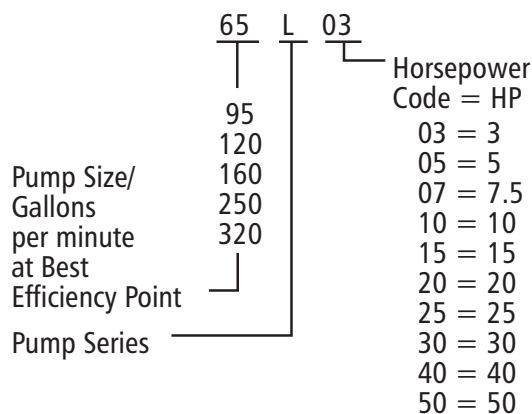
■ Control Box: Required for all single phase motors.

■ 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

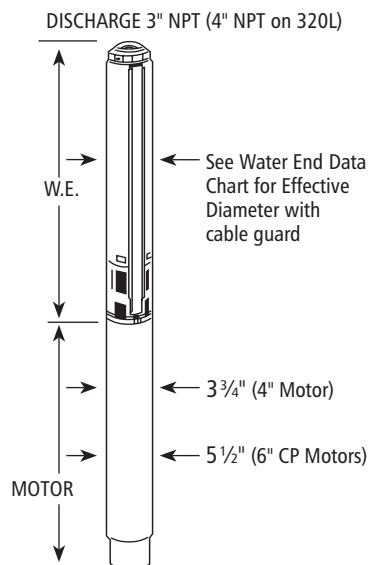
NOTE: 4" Diameter motors are required for 3 and 5 HP "L" Series pumps
6" Diameter motors are required for 7.5 HP and larger "L" Series pumps.

CentriPro 4" Motors

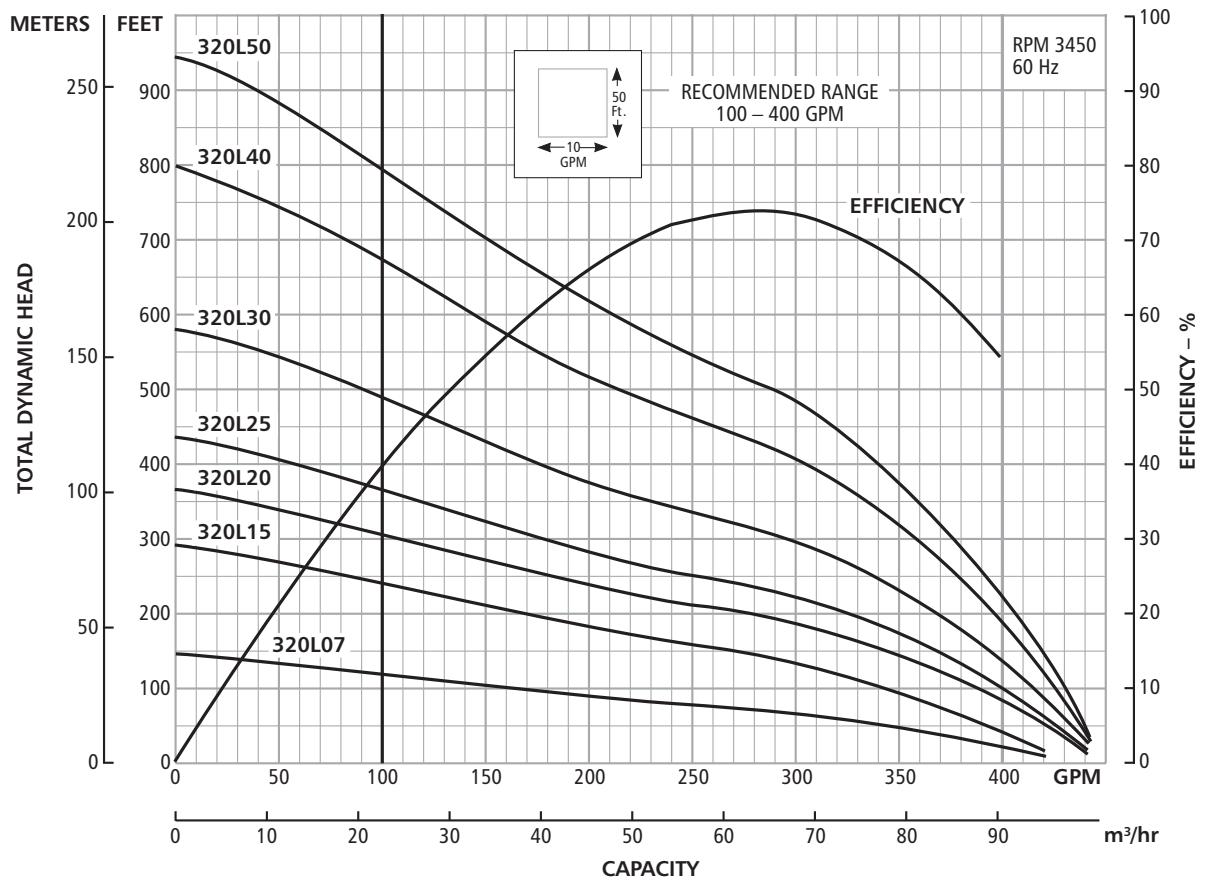
Single Phase Motors – Dimensions and Weights					
Motor Order No.	HP	Motor Dia.	Volts	Length in. (mm)	Weight lbs. (Kg)
M30412	3	4"	230	18.3 (466)	40 (18.1)
M50412	5			27.7 (703)	70 (31.8)
Three Phase Motors – Dimensions and Weights					
M30430	3	4"	200	15.3 (389)	32 (14.5)
M30432			230		
M30434			460		
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		200	27.0	110
6M102			230		
6M104			460		
6M158	15		200	29.9	128
6M152			230		
6M154			460		
6M208	20		200	31.5	137
6M202			230		
6M204			460		
6M258	25		200	36.2	161
6M252			230		
6M254			460		
6M308	30		200	38.2	176
6M302			230		
6M304			460		
6M404	40			40.6	187
66M504	50			41.7	198
86M504	50	6" x 8"		46.4	353



Model 320L



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	374	364	352	338	322	305	266	225	185	148	117					
		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				

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GOULDS PUMPS

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