



ITT

Residential Water Systems

Goulds Pumps

70L, 90L, 150L, 200L, 300L

Stainless Steel 6" Submersible Pumps

60 Hz High Capacity

For 6" and larger wells



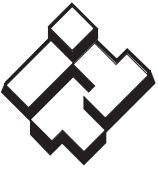
Goulds Pumps is a brand of ITT
Residential and Commercial Water.

www.goulds.com

Engineered for life

FEATURES

- **Powered for Continuous Operation:** All ratings are within the working limits of the motor manufacturer. Pump can be operated continuously with no fear of damage to the motor.
- **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 Casing:** Durable in the most corrosive waters.
- **Bearings:** Replaceable fluted NBR bearings allow excellent abrasives handling and wear resistance.
- **Built-in Check Valve:** Positive sealing, stainless steel check valve assembly incorporated into discharge head.
- **Bowls:** Stainless with pressed in NBR wear rings. 70L and 90L are a flat bowl design. 150L, 200L and 300L are a turbine bowl design.
- **Impellers:** Rugged stainless steel construction resists mineral and algae deposits.
- **Stainless Steel Shaft Sleeve:** Corrosion resistant.
- **Four-Fluted Shaft Design:** Four sided stainless steel shaft eliminates impeller keys and provides positive drive.
- **Coupling:** 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 and epoxy coated end bells resist 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.



ITT

GOULDS PUMPS Residential Water Systems

SPECIFICATIONS

Model	Horsepower	Discharge Connection	Recommended GPM Operating Range	GPM at Best Efficiency	Minimum Well Size	Rotation ^①
70L	3 – 25	3" NPT	25 – 100	70	6"	CCW
90L	5 – 30	3" NPT	40 – 130	90	6"	CCW
150L	5 – 40	3" NPT	50 – 240	150	6"	CCW
200L	7.5 – 40	3" NPT	70 – 310	200	6"	CCW
300L	5 – 40	3" NPT	100 – 450	300	6"	CCW

① Rotation when viewed from pump discharge end.

"L" SERIES MATERIALS OF CONSTRUCTION

Part Name	Material
Shaft and Coupling	420, 421 Series SS
Motor Adapter and Discharge Head	304 Series SS
Bearing	NBR
Shaft Sleeves	304 Series SS
Bowl	304 Series SS
Diffuser and Impeller	304 Series SS
Casing	304 Series SS
Fasteners	304 Series SS
Cable Guard	304 Series SS
Suction Strainer	304 Series SS
Casing Nut	316L Powder Metal
Wear Rings	NBR

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.

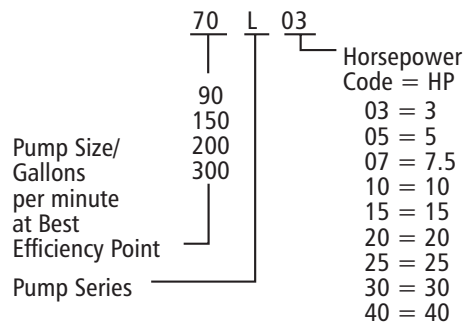
■ Control Box: Required for all single phase motors.

■ Magnetic Starter: A magnetic starter and heaters* are required for all three phase units.

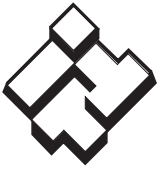
* Requires 3 ambient compensated (K type) quicktrip heaters.

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

ORDER NUMBER CODE



Goolds Pumps is ISO 9001 Registered.

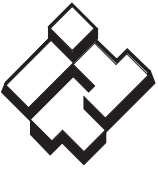


ITT

GOULDS PUMPS Residential Water Systems

WATER END (PUMP) DATA

Series	Order No.	Stages	Required Motor		Water End	
			HP	Diameter	Length	Weight (lb)
70L	70L03	3	3	4"	22.6	27
	70L05	5	5	4"	25.8	31
	70L07	7	7.5	6"	29.0	35
	70L10	10	10	6"	33.5	42
	70L15	15	15	6"	41.3	55
	70L20	20	20	6"	45.0	66
	70L25	25	25	6"	56.6	77
90L	90L05	3	5	4"	22.7	27
	90L07	5	7.5	6"	25.9	31
	90L10	7	10	6"	29.0	35
	90L15	11	15	6"	35.1	44
	90L20	15	20	6"	41.3	55
	90L25	19	25	6"	47.4	64
	90L30	22	30	6"	52.0	71
150L	150L05	2	5	4"	28.0	31
	150L07	3	7.5	6"	32.5	35
	150L10	4	10	6"	36.9	41
	150L15	6	15	6"	45.8	52
	150L20	8	20	6"	54.5	64
	150L25	10	25	6"	63.4	76
	150L30	12	30	6"	72.1	88
200L	200L07	2	7.5	6"	28.0	31
	200L10	3	10	6"	32.5	35
	200L15	5	15	6"	41.3	47
	200L20	6	20	6"	45.8	53
	200L25	8	25	6"	54.5	64
	200L30	10	30	6"	63.4	77
	200L40	13	40	6"	76.5	95
300L	300L05	1	5	4"	23.5	24
	300L10	2	10	6"	28.0	31
	300L15	3	15	6"	32.5	35
	300L20	5	20	6"	41.6	46
	300L25	6	25	6"	45.8	53
	300L30	7	30	6"	50.1	57
	300L40	10	40	6"	63.4	77



ITT

GOULDS PUMPS Residential Water Systems

WATER END (PUMP) DATA

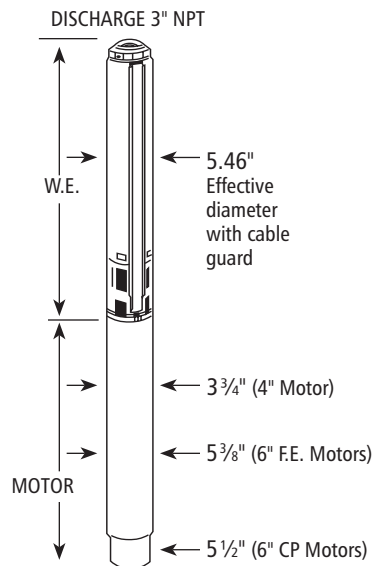
NOTE: 4" Diameter motors are required for 3 and 5 HP "L" Series pumps
6" Diameter motors are required for 7.5 HP and larger "L" Series pumps.

CentriPro Motors

Single Phase Motors – Dimensions and Weights					
Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
N/A	3	4"	–	–	–
N/A	5	4"	–	–	–
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					
N/A	3	4"	–	–	–
N/A	5	4"	–	–	–
6M072	7.5	6"	230	24.8	99
6M074	7.5	6"	460		
6M102	10	6"	230	27.0	110
6M104	10	6"	460		
6M152	15	6"	230	29.9	128
6M154	15	6"	460		
6M202	20	6"	230	31.5	137
6M204	20	6"	460		
6M252	25	6"	230	36.2	161
6M254	25	6"	460		
6M302	30	6"	230	38.2	176
6M304	30	6"	460		
6M404	40	6"	460	40.6	187

Franklin Electric Motors

Single Phase Motors – Dimensions and Weights					
Motor Order No.	HP	Motor Dia.	Volts	Length (inches)	Weight (lbs)
S09940	3	4"	230	19.1	41
S09940HT	3	4"	230	22.2	55
S10940	5	4"	230	28.2	70
S11970	7.5	6"	230	28.0	125
S12970	10	6"	230	30.6	143
S13970	15	6"	230	33.1	156
Three Phase Motors – Dimensions and Weights					
S09978	3	4"	200	16.1	35
S09970	3	4"	230		
S09975	3	4"	460		
S09979	3	4"	575		
S09978HT	3	4"	200	19.2	42
S09970HT	3	4"	230		
S09975HT	3	4"	460		
S09979HT	3	4"	575		
S10978	5	4"	200	22.2	55
S10970	5	4"	230		
S10975	5	4"	460		
S10979	5	4"	575		
S11978	7.5	6"	200	24.2	110
S11971	7.5	6"	230		
S11972	7.5	6"	460		
S11979	7.5	6"	575		
S12978	10	6"	200	25.4	118
S12971	10	6"	230		
S12972	10	6"	460		
S12979	10	6"	575		
S13978	15	6"	200	28.0	131
S13971	15	6"	230		
S13972	15	6"	460		
S13979	15	6"	575		
S14978	20	6"	200	30.6	147
S14971	20	6"	230		
S14972	20	6"	460		
S14979	20	6"	575		
S15978	25	6"	200	33.1	158
S15971	25	6"	230		
S15972	25	6"	460		
S15979	25	6"	575		
S16978	30	6"	200	35.7	176
S16971	30	6"	230		
S16972	30	6"	460		
S16979	30	6"	575		
S17972	40	6"	460	40.8	206
S17979	40	6"	575		





ITT

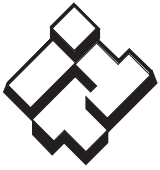
GOULDS PUMPS Residential Water Systems

Model 70L

SELECTION CHART

Horsepower Range 3 – 25, Recommended Range 25 – 100 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	250	300	350	400	450	500	550	600	650	700	800	900	1000	1100	1200		
70L03 3 Stages	3	0		100	91	80	65																				
		20	92	82	70	41																					
		30	82	70	42																						
		40	72	43																							
		50	43																								
		60																									
70L05 5 Stages	5	0				96	89	83	78	70																	
		20		98	92	85	78	72	60																		
		30	98	92	85	78	72	60																			
		40	93	86	79	73	60	40																			
		50	86	79	73	62	40																				
		60	79	73	62	40																					
70L07 7 Stages	7.5	0					98	95	90	86	77	64															
		20			100	95	91	86	82	77	65																
		30		100	95	91	86	82	77	72	54																
		40	100	96	92	87	83	78	73	66	40																
		50	96	92	88	83	78	73	66	56																	
		60	92	89	83	78	73	66	56	40																	
70L10 10 Stages	10	0							100	97	91	85	76	70	56												
		20						98	94	92	85	78	71	58													
		30					98	94	92	88	82	74	65	48													
		40				98	95	92	89	87	78	71	60	40													
		50			98	95	92	89	86	82	75	65	49														
		60		98	95	92	89	86	82	79	71	60	40														
70L15 15 Stages	15	0										97	93	88	84	80	75	70	62	50							
		20										97	93	88	85	81	75	70	63	51							
		30									99	95	91	87	83	78	73	67	58	44							
		40								99	98	94	89	85	81	76	71	64	53								
		50						99	98	96	91	87	83	78	73	67	58	44									
		60					99	98	96	94	89	85	81	76	71	64	53										
70L20 20 Stages	20	0										100	98	94	91	87	84	81	78	70	58						
		20										100	97	94	91	87	85	82	79	74	65	48					
		30										99	96	93	90	86	83	80	77	72	62	42					
		40									100	97	95	91	87	85	82	79	75	71	59						
		50									99	96	93	90	86	83	80	77	72	68	55						
		60								100	97	95	91	88	85	82	79	75	71	66	50						
70L25 25 Stages	25	0													99	97	95	92	90	87	82	76	70	60	45		
		20													99	97	95	93	90	87	85	79	74	66	53		
		30													98	96	93	91	89	86	83	78	72	64	51		
		40										100	97	95	92	90	87	85	82	77	71	61	46				
		50											98	96	93	91	89	86	83	81	75	69	58	41			
		60											100	97	95	92	90	87	85	82	80	74	67	55			



ITT

GOULDS PUMPS Residential Water Systems

Model 90L

SELECTION CHART

Horsepower Range 5 – 30, Recommended Range 40 – 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	250	300	350	400	450	500	550	600	650	700	800	900	1000	1100						
90L05 3 Stages	5	0		125	115	100	87	67																						
		20	115	102	90	75																								
		30	102	90	74																									
		40	91	73																										
		50	73																											
		60																												
90L07 5 Stages	7.5	0			125	117	112	105	97	90	68																			
		20	127	116	113	107	98	91	80	69																				
		30	119	113	107	98	91	80	69	50																				
		40	115	107	100	92	81	70	50																					
		50	107	100	92	81	70	50																						
		60	100	93	82	70	50																							
90L10 7 Stages	10	0				127	123	118	113	109	98	87	70																	
		20		128	125	119	114	110	104	97	88	74																		
		30	128	125	119	114	110	104	97	93	81	62																		
		40	126	120	115	111	105	99	93	89	75	50																		
		50	120	115	112	105	100	94	89	82	63																			
		60	115	112	106	100	94	89	82	75	50																			
90L15 11 Stages	15	0					130	127	125	123	117	112	105	98	91	82	70	50												
		20				127	125	124	120	118	112	106	99	91	82	73	55													
		30			127	125	124	120	118	115	108	103	95	87	78	65														
		40		128	126	124	120	118	115	113	107	99	91	83	73	57														
		50	128	127	124	121	118	116	113	109	103	95	87	78	67															
		60	127	124	121	118	116	113	109	107	100	92	83	73	57															
90L20 15 Stages	20	0						130	128	124	121	117	112	108	102	97	92	85	77	51										
		20					129	127	124	121	117	113	108	103	98	93	86	78	70											
		30					129	127	125	123	118	115	110	106	101	95	87	83	75	62										
		40				129	127	125	123	121	117	113	108	103	98	93	86	79	71	56										
		50			129	127	126	123	121	119	115	110	106	102	95	89	83	75	63											
		60		129	127	126	123	121	119	117	113	108	103	98	93	86	79	71	56											
90L25 19 Stages	25	0								128	126	123	120	117	113	110	106	102	98	88	77	55								
		20							128	127	124	121	117	113	111	107	103	99	94	84	67									
		30						128	127	125	122	118	116	112	108	104	102	97	92	80	62									
		40					129	127	126	123	121	117	113	111	107	103	99	94	90	77	57									
		50				129	127	126	125	122	119	116	112	108	104	102	97	92	87	75										
		60			129	128	126	125	123	121	117	113	110	107	103	99	94	90	84	68										
90L30 22 Stages	30	0									128	126	123	120	118	115	112	109	105	98	92	82	68							
		20								129	126	123	121	118	115	112	109	106	103	95	87	76	57							
		30							130	127	124	122	119	116	113	110	107	104	101	93	84	72	52							
		40						130	129	126	123	121	118	115	112	109	106	103	99	92	83	68								
		50					130	129	127	125	122	119	117	114	110	107	104	101	98	90	80	65								
		60					130	129	127	126	123	121	118	115	112	109	106	103	99	96	87	77	59							



ITT

GOULDS PUMPS Residential Water Systems

Model 150L

SELECTION CHART

Horsepower Range 5 – 40, 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	250	300	350	400	450	500	550	600	650	700	800	900		
150L05 2 Stages	5	0		200	180	140																		
		20	195	150	100																			
		30	150	100																				
		40	100																					
		50																						
		60																						
150L07 3 Stages	7.5	0		238	200	200	172	140	100															
		20	228	200	183	150	120	66																
		30	203	182	152	120	68																	
		40	182	153	120	70																		
		50	155	122	71																			
		60	122	72																				
150L10 4 Stages	10	0			233	221	209	189	168	140	73													
		20	238	225	212	193	175	148	121	82														
		30	226	213	195	176	150	121	84															
		40	214	197	177	151	122	85																
		50	198	178	152	123	86																	
		60	178	152	123	87																		
150L15 6 Stages	15	0				237	230	222	215	203	178	144												
		20		238	232	224	217	206	195	181	150	110												
		30	239	232	225	217	207	195	182	168	133	88												
		40	232	225	218	208	196	183	170	152	112	63												
		50	225	219	208	197	183	170	152	133	90													
		60	219	209	197	184	170	152	135	112	63													
150L20 8 Stages	20	0					238	234	230	223	210	193	170	143	110									
		20			240	236	232	225	220	212	196	173	148	116	80									
		30			236	232	226	220	212	206	188	162	132	101										
		40		236	232	227	220	213	207	198	175	150	118	82										
		50		232	227	220	213	207	199	189	165	135	102											
		60		227	221	213	208	200	190	177	151	120	82											
150L25 10 Stages	25	0						238	235	232	223	212	199	183	165	143	120							
		20				240	237	233	229	223	212	201	185	168	147	122	95							
		30				237	233	229	224	219	208	195	178	160	136	112	82							
		40				233	229	224	220	213	202	187	168	148	124	97	67							
		50				229	225	220	214	208	196	178	160	137	112	83								
		60				225	220	215	208	203	188	169	150	125	98									
150L30 12 Stages	30	0							240	237	232	223	215	204	191	178	162	144	124	103				
		20							238	236	232	225	217	206	193	180	163	147	128	106	82			
		30					238	236	232	228	222	212	201	188	174	157	138	118	95	72				
		40					236	232	229	226	217	207	193	180	165	148	128	107	83					
		50					232	229	226	222	212	201	188	174	158	138	120	96	72					
		60					229	226	222	218	208	195	182	166	149	130	110	85						
150L40 16 Stages	40	0									239	235	231	231	218	211	202	192	182	170	142	111		
		20									239	236	232	226	220	212	203	195	184	172	160	132	99	
		30									238	234	229	223	216	209	200	190	179	167	153	123	88	
		40									237	232	227	220	212	204	195	184	172	161	146	115	80	
		50									234	229	224	217	209	200	190	179	168	153	139	108	72	
		60									232	228	221	212	204	195	184	172	161	147	132	100	62	



ITT

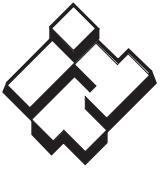
GOULDS PUMPS Residential Water Systems

Model 200L

SELECTION CHART

Horsepower Range 7.5 – 40, Recommended Range 70 – 310 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	250	300	350	400	450	500	550	600	650	700	
200L07 2 Stages	7.5	0		290	230	157															
		20	240	157	90																
		30	170	90																	
		40	95																		
		50																			
		60																			
200L10 3 Stages	10	0			290	250	208	155	100												
		20	300	252	220	160	110														
		30	255	218	170	112															
		40	190	175	115																
		50	180	125	90																
		60	130																		
200L15 5 Stages	15	0				300	290	265	240	215	158	90									
		20			293	270	245	220	195	167	90										
		30		295	270	250	220	195	168	132											
		40	298	270	250	225	200	170	137	95											
		50	275	250	225	200	170	140	105												
		60	250	228	205	170	140	110													
200L20 6 Stages	20	0					305	285	265	247	205	155	95								
		20			310	290	270	250	230	205	155	100									
		30		310	290	270	250	230	205	185	130										
		40	310	290	270	255	230	210	190	160	100										
		50	290	270	255	230	210	190	160	130											
		60	270	255	230	210	190	160	135	100											
200L25 8 Stages	25	0							303	290	260	228	195	157	155						
		20					305	292	278	264	232	198	160	120							
		30				306	293	278	264	248	218	180	143	98							
		40			306	293	280	265	248	233	200	162	123								
		50		307	295	282	266	250	235	220	185	148	100								
		60	308	296	282	268	250	235	220	204	165	127									
200L30 10 Stages	30	0									290	265	243	215	188	157	125	88			
		20							300	292	268	244	218	190	160	130	90				
		30						302	290	280	257	225	205	175	145	110					
		40					303	291	281	270	245	220	190	164	130	90					
		50				303	293	282	270	260	233	208	180	148	115						
		60			303	293	283	270	260	240	222	198	166	135	97						
200L40 13 Stages	40	0										295	280	260	240	225	205	180	155	130	
		20										300	280	265	245	225	205	180	155	132	100
		30									305	290	275	255	235	215	195	170	145	115	
		40								305	300	280	265	245	225	205	185	160	135	105	
		50						305	300	290	275	255	235	218	195	170	145	120			
		60					305	300	290	280	265	245	225	206	185	160	135	105			



ITT

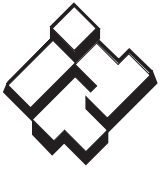
GOULDS PUMPS Residential Water Systems

Model 300L

SELECTION CHART

Horsepower Range 5 – 40, Recommended Range 100 – 450 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	250	300	350	400	450	500	550			
300L05 1 Stage	5	0		410	180																
		20	160																		
		30																			
		40																			
		50																			
		60																			
300L10 2 Stages	10	0			390																
		20	380	300	205																
		30	270	205	100																
		40	150	100																	
		50	100																		
		60																			
300L15 3 Stages	15	0			440	390	330	270	200	100											
		20		400	340	280	215	120													
		30		340	285	215	120														
		40		290	218	140															
		50		220	140																
		60		142																	
300L20 5 Stages	20	0				450	420	390	355	320	280	195									
		20		455	425	395	363	327	292	250	205										
		30		425	395	363	327	293	250	205	155										
		40		395	363	327	295	253	208	158											
		50		365	328	295	255	210	160												
		60		330	300	260	220	165													
300L25 6 Stages	25	0				465	440	415	388	360	330	270	183								
		20			445	420	395	365	355	307	275	198									
		30		445	420	397	365	337	309	275	240										
		40		422	398	367	340	310	276	242	208										
		50		400	370	343	312	280	245	210	165										
		60		373	345	315	283	248	212	168	123										
300L30 7 Stages	30	0				485	450	435	410	387	362	312	255	185	112						
		20				438	415	393	365	343	317	260	200	110							
		30			438	416	393	368	345	318	292	235	165								
		40		440	418	395	370	347	321	294	265	200	115								
		50		420	398	373	349	323	296	268	240	170									
		60		400	375	350	325	300	270	242	210	132									
300L40 10 Stages	40	0						450	433	420	388	353	320	280	240	192	140				
		20						438	422	405	393	355	303	282	243	195	143				
		30					438	422	406	393	373	340	308	264	220	172	115				
		40				440	425	408	393	374	360	323	288	245	200	150					
		50			441	427	410	395	375	361	342	308	268	225	178	110					
		60		442	428	411	397	378	362	345	328	290	250	204	157						

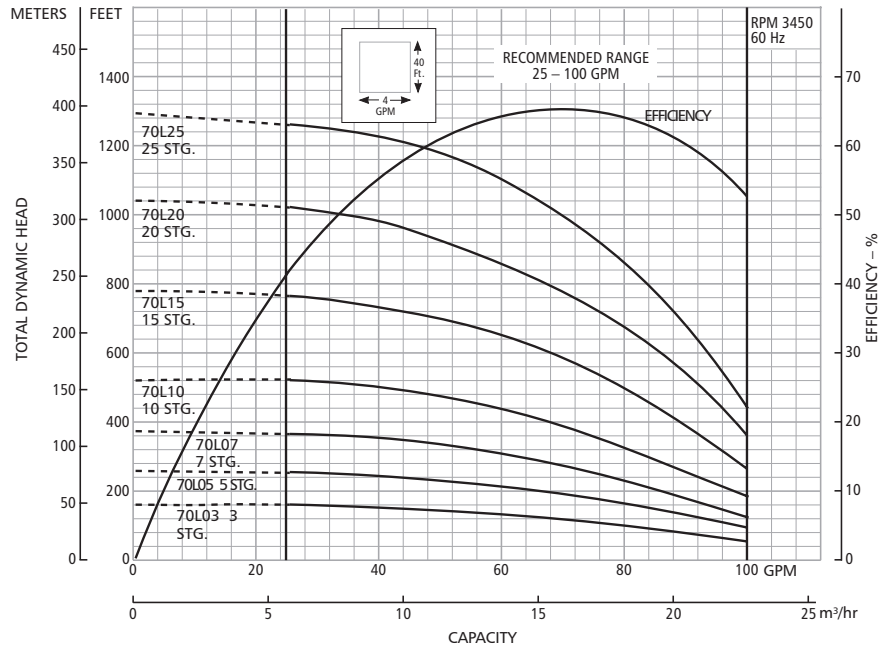


ITT

GOULDS PUMPS Residential Water Systems

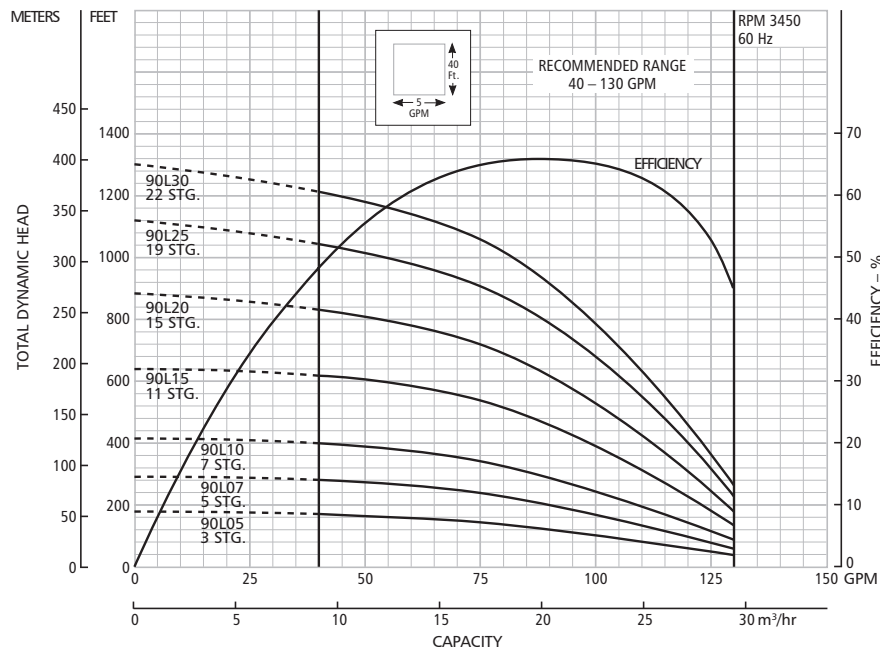
Model 70L

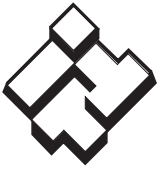
Curve Reference SU 0019R00



Model 90L

Curve Reference SU 0020R00

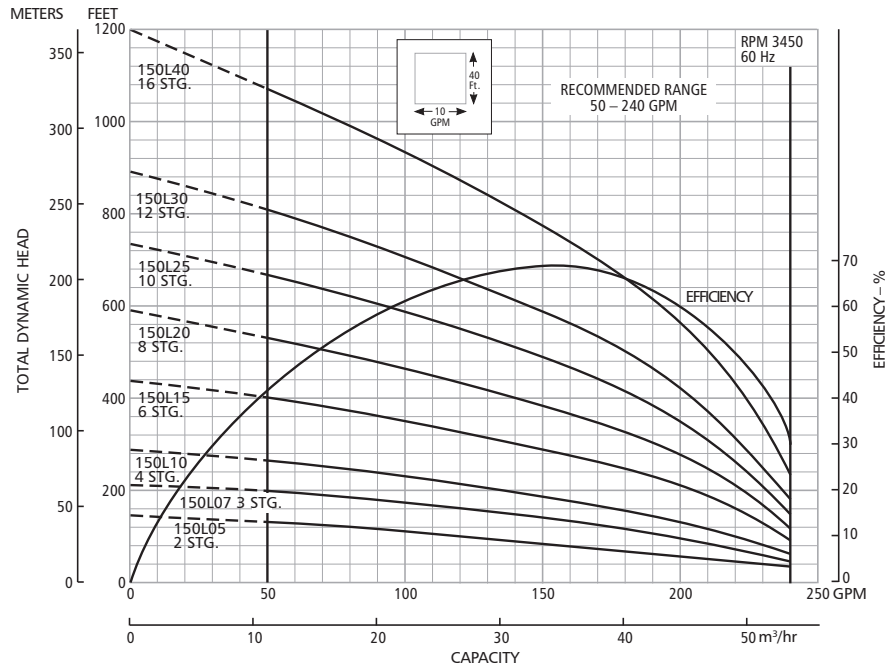




ITT

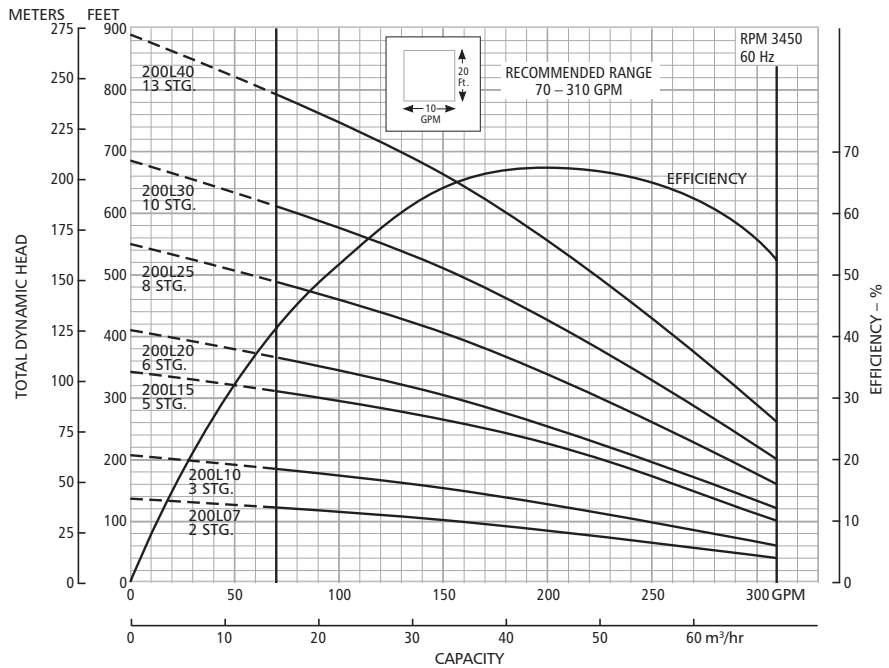
GOULDS PUMPS Residential Water Systems

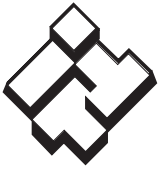
Model 150L



Model 200L

Curve Reference SU 0008R00

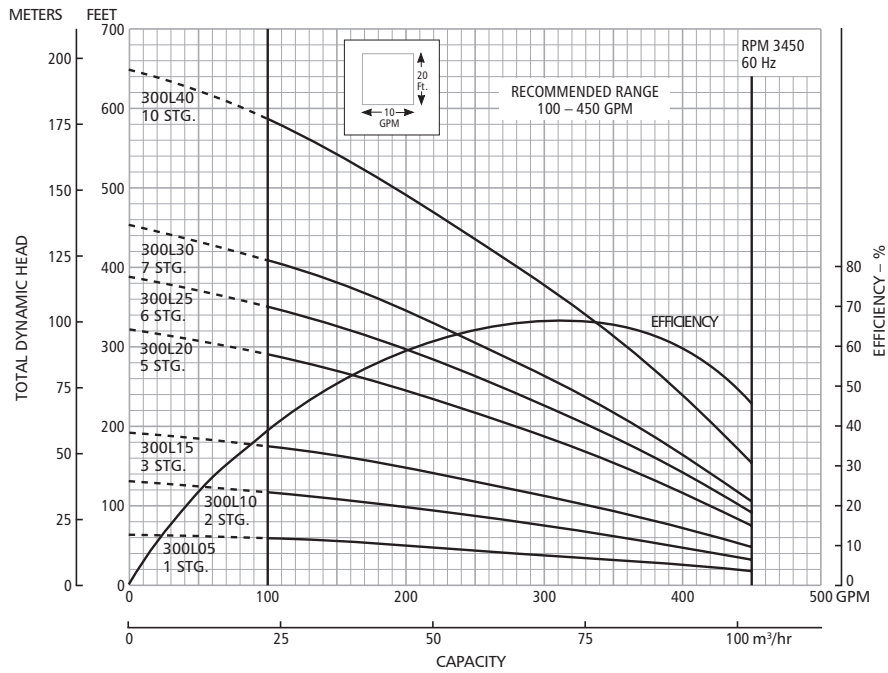




ITT

Residential Water Systems

Model 300L



Goulds Pumps and the ITT Engineered Blocks Symbol are registered trademarks and tradenames of ITT Corporation.

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

B70-300L June, 2006
© 2006 ITT Corporation

Engineered for life