



4" SUBMERSIBLE PUMP

ST SERIES (stainless steel) SL SERIES (thermoplastic)

The "ST & SL" series are built with such precision that they provide a superior output for many years. These submersibles are also built to work under tough conditions, even in abrasive water.

"ST" series

Check valve - External check valve made of stainless steel

Discharge head & Motor bracket - Made of (304) stainless steel.

"SL" series

Check valve - Internal check valve made of Polypropylene + fibers.

Discharge head & Motor bracket - Made of Polypropylene + fibers.

"ST & SL" series

Shaft - Hexagonal shaft made of (303) stainless steel for corrosion and wear resistance.

Couplings - Made of stainless steel and fit perfectly to any 4" standard motor which allows maximum efficiency.

Diffuser - Injection molded in Noryl.

Washer - Made of stainless steel, they prevent wearing of the impellers and diffusers.

Impeller - Injection molded in Polycarbonate.

Disc - Made of stainless steel

All parts (diffuser, impeller and disc) are designed to resist wearing in abrasive water.

Top bearing - Injection molded in Polypropylene plus fibers, with a rubber centre for an even more precise alignment of the shaft. The rubber center considerably reduces wearing of the shaft caused by sand.

Screen - Made of stainless steel, it prevents the impellers from large debris obstructions

Cable guard - Made of stainless steel, corrosion resistant, protects motor lead.

Housing - Made of (T-304) stainless steel, it is threaded for easy maintenance.

Fasteners - All stainless steel fasteners.

Motor - -

"ST"
series



"SL"
series



**5 YEAR
WARRANTY ON
1/2 HP to 1 HP**



Franklin Electric



4" SUBMERSIBLE PUMP STAINLESS STEEL ST

"ST" SERIES 5 - 8 - 12 - 20 G.P.M. (CONTROL BOX INCLUDED with 3 WIRE MOTORS)

					3 WIRES + GROUND	
H.P.	G.P.M.	Stages	Ph.	Volts	Part number	Model
1/2	5	13	1	115	531-0070	ST5-50-113
			1	230	531-0080	ST5-50-233
	8	9	1	115	531-0090	ST8-50-113
			1	230	531-0100	ST8-50-233
	12	8	1	115	531-0110	ST12-50-113
			1	230	531-0120	ST12-50-233
	18	6	1	115	531-0420	ST18-50-113
			1	230	531-0430	ST18-50-233
20	4	1	115	531-0126	ST20-50-113	
		1	230	531-0128	ST20-50-233	
3/4	5	19	1	230	531-0130	ST5-75-233
	8	13	1	230	531-0140	ST8-75-233
	12	11	1	230	531-0150	ST12-75-233
	20	9	1	230	531-0160	ST20-75-233
1	5	22	1	230	531-0170	ST5-100-233
	8	16	1	230	531-0180	ST8-100-233
	12	14	1	230	531-0190	ST12-100-233
	20	11	1	230	531-0200	ST20-100-233
1 1/2	5	29	1	230	531-0210	ST5-150-233
			3	575	531-0220	ST5-150-575
	8	22	1	230	531-0230	ST8-150-233
			3	575	531-0240	ST8-150-575
	12	19	1	230	531-0250	ST12-150-233
			3	575	531-0260	ST12-150-575
	20	15	1	230	531-0270	ST20-150-233
			3	575	531-0280	ST20-150-575
2	8	28	1	230	531-0290	ST8-200-233
			3	575	531-0300	ST8-200-575
	12	21	1	230	531-0310	ST12-200-233
			3	575	531-0320	ST12-200-575
	20	19	1	230	531-0330	ST20-200-233
			3	575	531-0340	ST20-200-575
3	12	28	1	230	531-0350	ST12-300-233
			3	575	531-0360	ST12-300-575
	20	24	1	230	531-0370	ST20-300-233
			3	575	531-0380	ST20-300-575
5	20	34	1	230	531-0390	ST20-500-233
			3	575	531-0400	ST20-500-575

2 WIRES + GROUND	
Part number	Model
531-0075	ST5-50-112
531-0085	ST5-50-232
531-0095	ST8-50-112
531-0105	ST8-50-232
531-0115	ST12-50-112
531-0125	ST12-50-232
531-0425	ST18-50-112
531-0435	ST18-50-232
531-0127	ST20-50-112
531-0129	ST20-50-232
531-0135	ST5-75-232
531-0145	ST8-75-232
531-0155	ST12-75-232
531-0165	ST20-75-232
531-0175	ST5-100-232
531-0185	ST8-100-232
531-0195	ST12-100-232
531-0205	ST20-100-232

† = available voltage 200 - 230 - 380
- 460 - 575 volts



Franklin Electric



1/3 HP MOTOR + PUMP AVAILABLE ON REQUEST

WARNING: These pumps may develop very high pressure. A pressure valve must be installed on the tank to avoid possible danger of the tank bursting, causing property damage and/or personal injury or death.

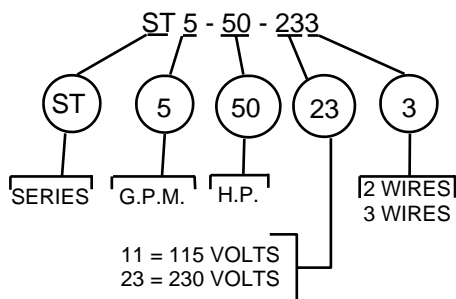


4" SUBMERSIBLE PUMP THERMOPLASTIC SL

"SL" SERIES 5 - 8 - 12 - 20 G.P.M. (CONTROL BOX INCLUDED with 3 WIRE MOTORS)

H.P.	G.P.M.	Stages	Ph.	Volts	3 WIRES + GROUND		2 WIRES + GROUND	
					Part number	Model	Part number	Model
1/2	5	13	1	115	567-0070	SL5-50-113	567-0075	SL5-50-112
			1	230	567-0080	SL5-50-233	567-0085	SL5-50-232
	8	9	1	115	567-0090	SL8-50-113	567-0095	SL8-50-112
			1	230	567-0100	SL8-50-233	567-0105	SL8-50-232
	12	8	1	115	567-0110	SL12-50-113	567-0115	SL12-50-112
			1	230	567-0120	SL12-50-233	567-0125	SL12-50-232
	18	6	1	115	567-0420	SL18-50-113	567-0425	SL18-50-112
			1	230	567-0430	SL18-50-233	567-0435	SL18-50-232
	20	4	1	115	567-0126	SL20-50-113	567-0127	SL20-50-112
			1	230	567-0128	SL20-50-233	567-0129	SL20-50-232
3/4	5	19	1	230	567-0130	SL5-75-233	567-0135	SL5-75-232
	8	13	1	230	567-0140	SL8-75-233	567-0145	SL8-75-232
	12	11	1	230	567-0150	SL12-75-233	567-0155	SL12-75-232
	20	9	1	230	567-0160	SL20-75-233	567-0165	SL20-75-232
1	8	16	1	230	567-0180	SL8-100-233	567-0185	SL8-100-232
	12	14	1	230	567-0190	SL12-100-233	567-0195	SL12-100-232
	20	11	1	230	567-0200	SL20-100-233	567-0205	SL20-100-232

EXAMPLE OF MODEL NUMBER CODE





5 GPM

PERFORMANCE CHART "ST" and "SL" SERIES

WATER DEPTH IN FEET
CAPACITY IN U.S. GALLONS / HOUR

Shut off
head

MODEL	MOTOR H.P.	WATER DEPTH IN FEET																Shut off head			
		P.S.I.	20	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450	FEET	P.S.I.	
5-50 13 Stages	1/2	30	530	510	490	470	450	425	395	365	325	285	235	175					388	168	
		40	510	490	470	450	425	400	365	330	285	240	180	95							
		50	485	465	445	425	400	370	335	290	245	185	100								
		60	460	440	420	400	370	335	295	250	190	110									
		70	430	415	390	360	330	290	250	195	120										
5-75 19 Stages	3/4	30	560	545	535	520	510	490	475	455	435	415	395	370	350	295	225	135	564	244	
		40	545	535	520	505	490	475	455	435	415	395	375	350	325	265	185				
		50	530	515	505	490	475	455	440	420	400	375	350	325	295	230	140				
		60	515	500	490	475	460	440	420	400	375	355	330	300	270	195					
		70	500	485	470	460	440	420	400	380	360	330	300	275	240	120					

WATER DEPTH IN FEET
CAPACITY IN U.S. GALLONS / HOUR

Shut off
head

MODEL	MOTOR H.P.	WATER DEPTH IN FEET																Shut off head		
		P.S.I.	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700	FEET	P.S.I.
5-100 22 Stages	1	30	515	495	480	460	445	430	410	395	355	310	255	185	85				647	280
		40	495	480	465	445	430	415	395	375	335	285	230	145						
		50	480	465	450	430	415	395	380	360	315	260	195	90						
		60	465	450	430	415	400	380	360	340	290	235	150							
		70	450	435	420	400	370	350	330	315	260	195	100							
5-150 29 Stages	1 1/2	30	545	530	520	510	495	480	470	455	430	400	370	335	300	260	205	135	835	361
		40	535	520	510	495	485	470	455	445	415	385	355	320	280	235	175			
		50	520	510	495	485	470	460	445	430	400	370	335	305	260	210	140			
		60	510	500	485	470	460	445	430	420	390	355	320	285	240	180				
		70	495	480	470	450	440	430	420	405	375	340	310	260	215	150				

Numbers in *italic-bold* indicate the maximum efficiency zone
 To convert **feet** in **meters** multiply by 0.3048
 To convert **U.S. gallon** in **Liters** multiply by 3.785



4" SUBMERSIBLE PUMP PUMP END

4" PUMP END (5-8-12-20 GPM)



H.P.	G.P.M.	St.	PUMP END "ST" Series		
			Part #	Model	Price
1/2	5	13	532-0011	ST5-50	573.20
	8	9	532-0061	ST8-50	505.80
	12	8	532-0121	ST12-50	483.50
	18	6	532-0174	ST18-50	520.70
	20	4	532-0176	ST20-50	460.40
3/4	5	19	532-0021	ST5-75	683.00
	8	13	532-0071	ST8-75	576.50
	12	11	532-0131	ST12-75	539.60
	20	9	532-0181	ST20-75	548.40
	1	5	22	532-0031	ST5-100
8		16	532-0081	ST8-100	631.30
12		14	532-0141	ST12-100	592.20
20		11	532-0191	ST20-100	586.60
1 1/2	5	29	532-0041	ST5-150	952.10
	8	22	532-0091	ST8-150	795.00
	12	19	532-0151	ST12-150	759.50
	20	15	532-0201	ST20-150	689.20
2	8	28	532-0101	ST8-200	953.00
	12	21	532-0161	ST12-200	811.70
	20	19	532-0211	ST20-200	820.70
3	12	28	532-0171	ST12-300	1 019.50
	20	24	532-0221	ST20-300	1 020.40
5	20	34	532-0231	ST20-500	1 234.80

PUMP END "SL" Series		
Part #	Model	Price
566-0011	SL5-50	384.50
566-0061	SL8-50	321.90
566-0121	SL12-50	303.70
566-0161	SL18-50	306.70
566-0171	SL20-50	279.50
566-0021	SL5-75	485.90
566-0071	SL8-75	384.50
566-0131	SL12-75	350.50
566-0181	SL20-75	347.50
566-0081	SL8-100	443.70
566-0141	SL12-100	401.40
566-0191	SL20-100	383.90

REPLACEMENT PARTS



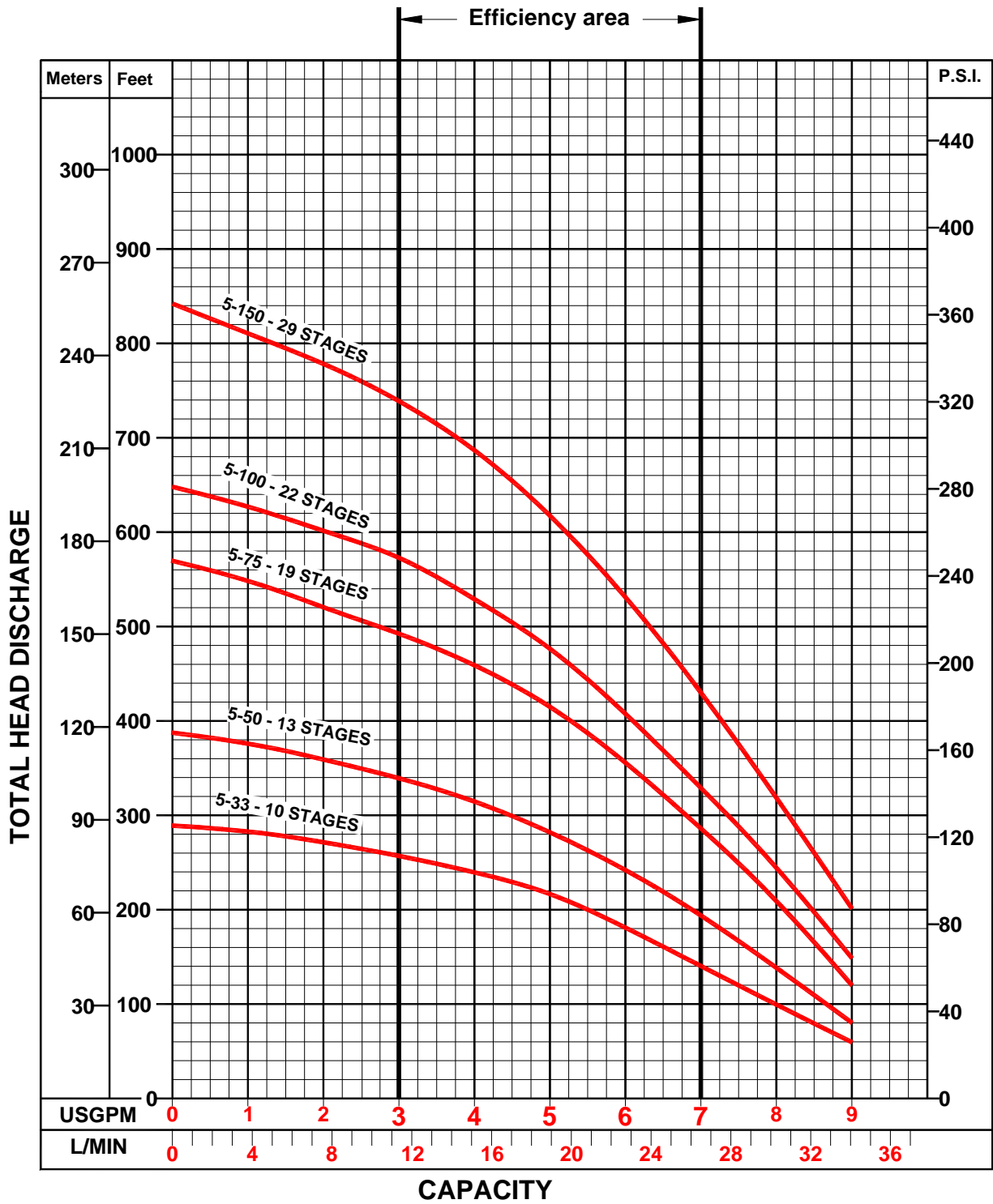
H.P.	G.P.M.	St.	ROTATING KIT	
			Part #	Price
1/2	5	13	542-0412	211.50
	8	9	542-0462	164.40
	12	8	542-0522	151.00
	18	6	542-0562	132.50
3/4	20	4	542-0572	98.10
	5	19	542-0422	284.50
	8	13	542-0472	211.40
	12	11	542-0532	187.90
1	20	9	542-0582	163.10
	5	22	542-0432	338.70
	8	16	542-0482	249.40
	12	14	542-0542	224.70
1 1/2	20	11	542-0592	188.90
	5	29	542-0442	428.80
	8	22	542-0492	337.00
	12	19	542-0552	301.30
2	20	15	542-0602	242.70
	8	28	542-0502	412.90
	12	21	542-0558	325.90
	20	19	542-0608	318.20
3	12	28	542-0559	412.90
	20	24	542-0612	370.30
5	20	34	542-0632	501.70

REPLACEMENT PARTS "ST" OR "SL" SERIES		
Part #	Description	Price
564-0005	S/S Sleeve	7.80
564-0018	Pump head - "SL" series	24.80
564-0020	Sleeve bearing assembly	14.20
564-0021	1 1/4" x 1" S/S check valve	50.00
564-0022	1 1/4" x 1 1/4" S/S check valve	52.00
564-0037	Check valve - "SL" series	5.30
564-0044	Pump head - "ST" series	76.20
564-0045	Motor bracket - "ST" series	119.80
564-0048	Screen - "ST" series	9.80
564-0055	Screw shaft	4.60
564-0075	5/16" - 24 S/S nut	0.80
564-0080	5/16" S/S lock washer	0.30
564-0085	Lock	10.80
564-0093	5 - 8 - 12 G.P.M. S/S disk	6.20
564-0094	20 G.P.M. S/S disk	6.50
564-0100	5 - 8 - 12 G.P.M. diffuser	9.80
564-0105	20 G.P.M. diffuser	10.10
564-0102	.650" x 1" S/S washer	1.00
564-0110	5 G.P.M. impeller	11.20
564-0115	8 G.P.M. impeller	11.20
564-0120	12 G.P.M. impeller	11.20
564-0125	20 G.P.M. impeller	12.10
569-1065	8-32 x 1/4" S/S cable guard screw	0.50



5 GPM

PUMPING CURVES "ST" and "SL" SERIES





8 GPM

PERFORMANCE CHART "ST" and "SL" SERIES

MODEL	MOTOR H.P.	WATER DEPTH IN FEET CAPACITY IN U.S. GALLONS / HOUR																	Shut off head	
		P.S.I.	20	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450	FEET	P.S.I.
8-50 9 Stages	1/2	30	725	680	640	590	545	475	395	290	120								277	120
		40	675	630	585	535	480	400	300	140										
		50	625	580	530	465	410	310	160											
		60	570	520	465	400	320	180												
		70	500	450	390	305	180													
8-75 13 Stages	3/4	30	775	750	725	690	665	625	580	535	490	440	385	315	225				400	173
		40	745	715	685	655	625	585	540	490	440	385	320	230	100					
		50	710	685	650	620	590	545	495	445	390	325	240	120						
		60	680	650	615	580	545	500	450	400	330	250	130							
		70	630	600	570	535	495	450	390	330	235									
8-100 16 Stages	1	30	805	785	765	740	720	685	655	625	590	550	510	470	425	320	160		492	213
		40	780	760	740	710	690	660	625	590	550	515	470	425	375	250				
		50	755	735	710	685	660	630	595	555	515	475	430	385	325	170				
		60	730	705	685	655	630	600	560	520	480	435	385	330	265	50				
		70	690	675	650	625	600	560	530	500	460	405	360	285	180					

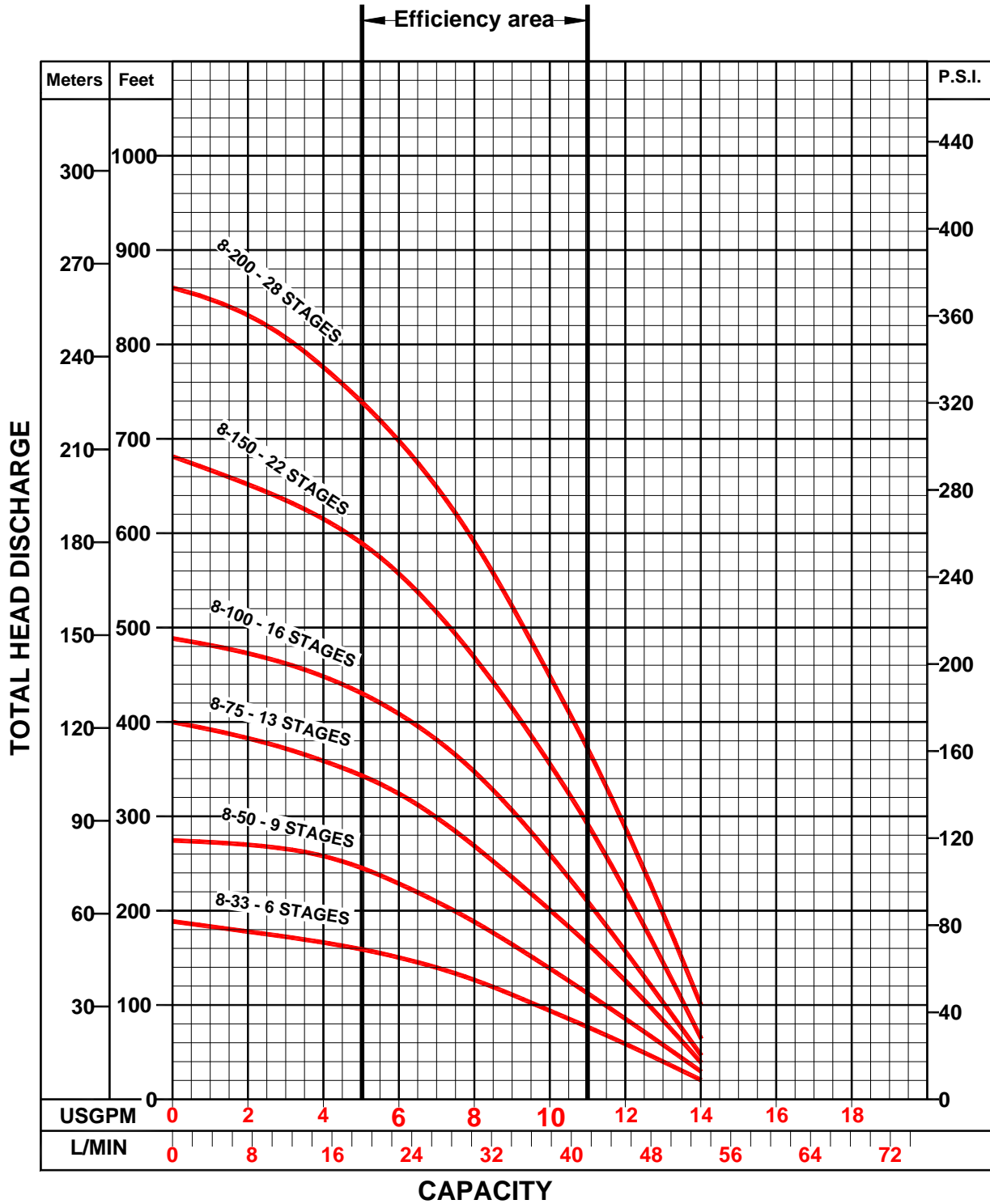
MODEL	MOTOR H.P.	WATER DEPTH IN FEET CAPACITY IN U.S. GALLONS / HOUR																	Shut off head	
		P.S.I.	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700	FEET	P.S.I.
8-150 22 Stages	1 1/2	30	750	730	705	680	660	635	610	585	530	470	410	335	230	60			677	293
		40	730	710	685	660	640	610	590	560	505	445	375	290	165					
		50	710	685	665	640	615	590	565	535	475	410	340	240	80					
		60	690	665	640	615	590	565	540	510	450	385	300	180						
		70	660	645	620	595	570	545	515	485	430	355	255	90						
8-200 28 Stages	2	30	785	770	755	740	720	705	685	665	630	590	545	500	450	400	340	265	862	373
		40	770	755	740	720	705	685	670	650	610	570	525	480	430	375	310	220		
		50	760	740	725	705	690	670	650	630	590	550	505	455	405	345	270	170		
		60	740	725	710	690	670	650	630	610	570	530	480	430	380	310	230			
		70	720	705	685	675	650	630	615	590	550	510	465	405	345	270	170			

Numbers in **italic-bold** indicate the maximum efficiency zone
 To convert **feet** in **meters** multiply by 0.3048
 To convert **U.S. gallon** in **Liters** multiply by 3.785



8 GPM

PUMPING CURVES "ST" and "SL" SERIES





12 GPM

PERFORMANCE CHART "ST" and "SL" SERIES

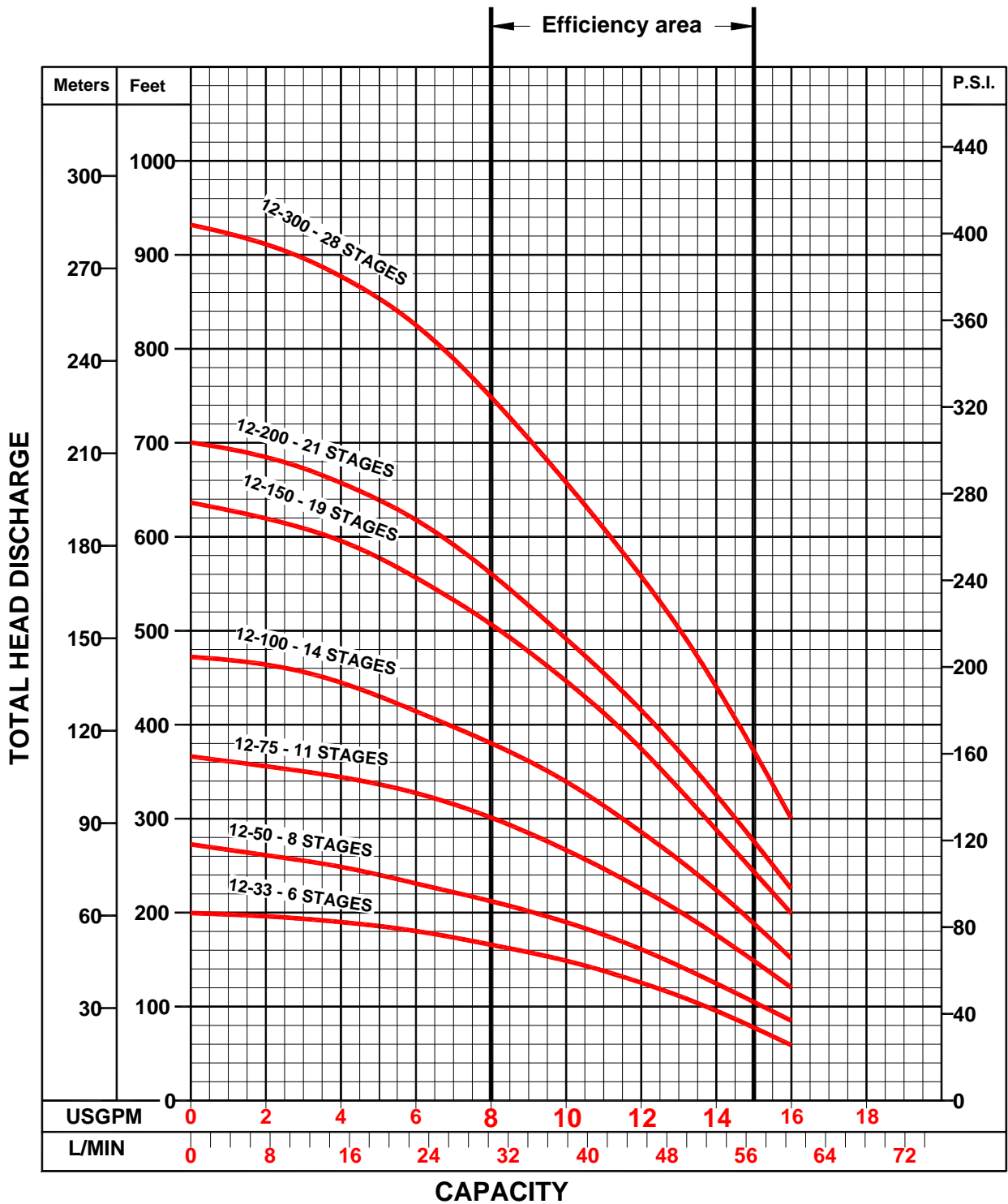
MODEL	MOTOR H.P.	WATER DEPTH IN FEET CAPACITY IN U.S. GALLONS / HOUR																	Shut off head	
		P.S.I.	20	40	60	80	100	125	150	175	200	225	250	275	300	350	400	450	FEET	P.S.I.
12-50 8 Stages	1/2	30	950	895	830	770	695	585	440	270									265	115
		40	885	825	755	680	590	455	280											
		50	810	745	665	580	465	300												
		60	730	655	460	450	315													
		70	635	540	420	300														
12-75 11 Stages	3/4	30	1000	970	940	900	865	810	745	670	585	490	390	250					365	158
		40	965	930	895	855	815	750	670	590	500	395	265							
		50	925	890	850	810	755	680	595	505	400	275								
		60	880	845	800	750	685	605	510	410	290									
		70	820	780	735	680	620	540	445	330										
12-100 14 Stages	1	30	1035	1010	990	965	940	900	860	820	770	710	650	590	520	350			467	202
		40	1010	985	960	935	905	865	820	770	715	660	590	520	440	245				
		50	980	960	930	900	870	825	775	720	660	600	530	450	360					
		60	955	925	895	860	830	780	725	670	600	535	460	370	260					
		70	910	875	845	810	775	720	665	610	540	450	365	285						

MODEL	MOTOR H.P.	WATER DEPTH IN FEET CAPACITY IN U.S. GALLONS / HOUR																	Shut off head	
		P.S.I.	125	150	175	200	225	250	275	300	350	400	450	500	550	600	650	700	FEET	P.S.I.
12-150 19 Stages	1 1/2	30	970	940	920	890	855	820	780	735	650	555	450	335	160				632	274
		40	945	920	890	860	820	780	740	695	605	510	400	265						
		50	920	890	860	820	780	740	700	655	560	460	350	175						
		60	890	860	825	785	745	700	660	610	520	410	280							
		70	840	810	780	745	700	660	625	570	480	350	180							
12-200 21 Stages	2	30	990	965	940	915	890	860	830	795	720	640	550	460	360	220			698	302
		40	965	940	920	890	860	830	800	760	680	600	510	420	305					
		50	945	920	890	865	835	800	765	725	645	560	470	370	230					
		60	920	895	870	835	805	770	730	690	610	520	425	310						
		70	890	855	825	795	760	725	690	650	570	480	375	240						
12-300 28 Stages	3	30	1030	1015	1000	980	965	950	930	910	865	820	760	705	645	580	520	450	930	403
		40	1015	1000	985	965	950	930	910	890	840	790	735	675	620	550	485	410		
		50	1000	985	970	950	930	910	890	870	820	765	710	650	590	520	450	370		
		60	985	970	950	930	910	890	870	850	795	740	680	620	560	490	520	330		
		70	970	950	930	910	890	870	850	815	770	720	660	600	525	465	390	285		



12 GPM

PUMPING CURVES "ST" and "SL" SERIES





20 GPM

PERFORMANCE CHART "ST" and "SL" SERIES

MODEL	MOTOR H.P.	WATER DEPTH IN FEET CAPACITY IN U.S. GALLONS / HOUR															Shut off head	
		P.S.I.	20	40	60	80	100	125	150	175	200	225	250	275	300	350	FEET	P.S.I.
20-75 9 Stages	3/4	30	1605	1500	1390	1260	1180	740	320								234	101
		40	1485	1370	1220	1040	760	360										
		50	1350	1210	1010	710	380											
		60	1180	970	680	330												
		70	960	720	330													
20-100 11 Stages	1	30	1710	1620	1530	1435	1330	1190	970	660	300					285	123	
		40	1610	1510	1410	1315	1200	990	680	320								
		50	1500	1405	1300	1180	1010	710	350									
		60	1390	1290	1160	980	730	380										
		70	1260	1110	960	780	480											

MODEL	MOTOR H.P.	WATER DEPTH IN FEET CAPACITY IN U.S. GALLONS / HOUR															Shut off head	
		P.S.I.	40	60	80	100	125	150	175	200	225	250	275	300	350	400	PIEDS	P.S.I.
20-150 15 Stages	1 1/2	30	1730	1670	1610	1545	1460	1360	1255	1120	960	740	490				386	167
		40	1660	1600	1535	1460	1370	1260	1130	970	750	510						
		50	1585	1525	1450	1370	1270	1140	980	770	530	260						
		60	1510	1440	1360	1280	1150	1000	790	550	280							
		70	1410	1350	1260	1140	1005	860	720	390								
20-200 19 Stages	2	30	1800	1750	1695	1640	1570	1495	1415	1330	1240	1140	1030	910	550		483	209
		40	1735	1685	1630	1570	1500	1420	1335	1250	1145	1040	920	750	360			
		50	1675	1620	1560	1500	1425	1340	1255	1150	1050	930	770	575				
		60	1610	1555	1500	1430	1350	1260	1165	1060	940	780	595	400				
		70	1550	1500	1440	1370	1270	1190	1080	960	780	610	480					

MODEL	MOTOR H.P.	WATER DEPTH IN FEET CAPACITY IN U.S. GALLONS / HOUR															Shut off head	
		P.S.I.	175	200	225	250	275	300	350	400	450	500	550	600	650	700	FEET	P.S.I.
20-300 24 Stages	3	30	1550	1495	1440	1380	1315	1250	1100	885	580	260					606	262
		40	1500	1440	1380	1320	1255	1185	1005	745	430							
		50	1445	1385	1320	1260	1190	1110	900	600	285							
		60	1390	1330	1265	1200	1120	1020	770	460								
		70	1340	1260	1170	1110	1020	900	630									
20-500 34 Stages	5	30	1750	1715	1680	1640	1605	1565	1485	1400	1310	1205	1090	950	770	540	873	378
		40	1715	1680	1645	1610	1570	1530	1445	1360	1260	1150	1030	870	660	420		
		50	1680	1645	1610	1570	1535	1490	1405	1310	1215	1095	960	780	555	300		
		60	1650	1615	1575	1540	1500	1435	1365	1270	1160	1040	890	685	440			
		70	1600	1560	1500	1470	1440	1380	1290	1200	1080	950	790	580	330			



20 GPM

PUMPING CURVES "ST" and "SL" SERIES

