



FEATURES

Powered for Continuous Operation: All ratings are within the working limits of the motor as recommended by the motor manufacturer. Pump can be operated continuously without damage to the motor.

Field Serviceable: Units have left hand threads and are field serviceable with common tools and readily available repair parts.

Sand Handling Design: Our face clearance, floating impeller stack has proven itself for over 50 years as a superior sand handling, durable pump design.

FDA Compliant Non-Metallic Parts: Impellers, diffusers and bearing spiders are constructed of glass filled engineered composites. They are corrosion resistant and non-toxic.

Discharge Head/Check Valve: Cast 303 stainless steel for strength and durability. Two cast-in safety line loops for installer convenience. The built-in check valve is constructed of stainless steel and FDA compliant BUNA rubber for abrasion resistance and quiet operation.

Motor Adapter: Cast 303 stainless steel for rigid, accurate alignment of pump and motor. Easy access to motor mounting nuts using standard open end wrench.

Stainless Steel Casing: Polished stainless steel is strong and corrosion resistant.

Hex Shaft Design: Six sided shafts for positive impeller drive.

Engineered Polymer Bearings: The proprietary, engineered polymer bearing material is strong and resistant to abrasion and wear. The enclosed upper bearing is mounted in a durable Noryl® bearing spider for excellent abrasion resistance.

5GS, 7GS, 10GS, 13GS, 18GS & 25GS

5-25 GPM, ½ - 5 HP, 60 HZ, SUBMERSIBLE PUMPS



WATER END DATA

Series	Model	Required HP	Stages	Length (in)	Weight (lbs)
5GS	5GS05R	.5	9	12.9	8
	5GS05	.5	12	15.0	9
	5GS07	.75	15	17.0	11
	5GS10	1	20	21.7	13
	5GS15	1.5	26	25.8	15
	5GS20	2	33	31.6	19
7GS	7GS05R	.5	7	11.7	6
	7GS05	.5	10	13.8	7
	7GS07	.75	13	16.0	8
	7GS10	1	17	18.8	9
	7GS15	1.5	22	23.6	12
	7GS20	2	27	27.2	13
10GS	10GS05R*	0.5	8	12.2	7
	10GS05*	0.5	10	13.6	8
	10GS07*	0.75	14	16.4	9
	10GS10*	1	16	17.7	11
	10GS15	1.5	17	18.4	12
	10GS20	2	20	21.7	13
	10GS30	3	27	27.5	18
	10GS50R	5	35	33	21
	10GS50	5	42	40.2	24
13GS	13GS05	.5	5	10.1	6
	13GS07	.75	7	11.5	7
	13GS10	1	10	13.6	8
	13GS15	1.5	12	15.0	9
	13GS20	2	17	18.4	12
	13GS30	3	21	22.3	15
18GS	18GS07	.75	6	11.8	7
	18GS10	1	8	13.5	8
	18GS15	1.5	11	16.1	10
	18GS20	2	14	18.6	11
	18GS30	3	19	24.1	15
	18GS50R	5	24	28.3	17
	18GS50	5	30	34.4	21
25GS	25GS10	1	7	13.4	8
	25GS15	1.5	9	15.3	9
	25GS20	2	11	17.2	10
	25GS30	3	15	20.9	14
	25GS50R	5	22	28.7	17
	25GS50	5	26	33.4	21

*New High Head Hydraulic Design for models manufactured starting 8/2017

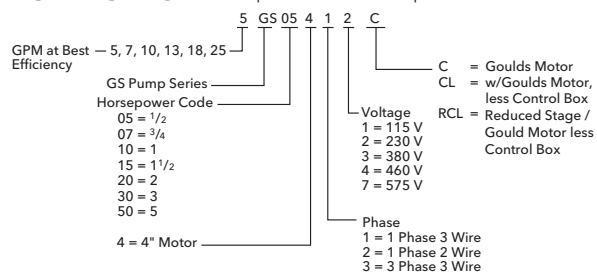
SPECIFICATIONS

Model	Flow Range GPM	Horsepower Range	Best Efficiency GPM	Discharge Connection	Minimum Well Size	Rotation ^①
5GS	1.2 - 7.5	½ - 2	5	1¼"	4"	CCW
7GS	1.5 - 10	½ - 3	7	1¼"	4"	CCW
10GS	3 - 16	½ - 5	10	1¼"	4"	CCW
13GS	4 - 20	½ - 3	13	1¼"	4"	CCW
18GS	6 - 28	¾ - 5	18	1¼"	4"	CCW
25GS	8 - 33	1 - 5	25	1¼"	4"	CCW

① Rotation is counterclockwise when observed from pump discharge end.

NOMENCLATURE See price book for complete order numbers.

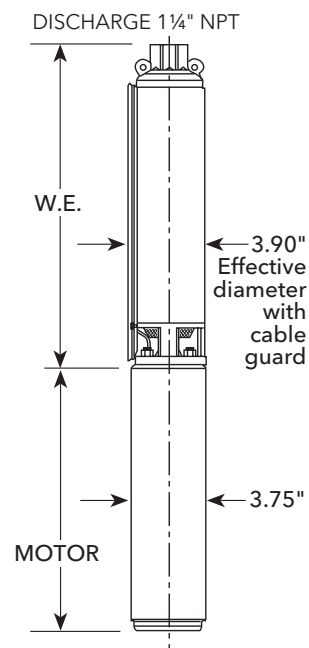
NOMENCLATURE See price book for complete order numbers.



"GS" SERIES MATERIALS OF CONSTRUCTION

Part Name	Material
Discharge Head	AISI 303 SS
Check Valve Poppet	AISI 304 SS
Check Valve Seal	BUNA, FDA compliant
Check Valve Seat	AISI 304 SS
Check Valve Retaining Ring	AISI 302 SS
Bearing Spider - Upper	Noryl® GFN2
Bearing	Proprietary Engineered Polymer
Klipring	AISI 301 SS
Diffuser	Lexan®
Impeller	Noryl®
Bowl	AISI 304 SS
Intermediate Sleeve *	AISI 304 SS, Powder Metal
Intermediate Shaft Coupling *	AISI 304 SS, Powder Metal
Intermediate Bearing Spider *	Glass Filled Engineered Composite
Intermediate Bearing Spider *	AISI 303 SS
Shim	AISI 304 SS
Screws - Cable Guard	AISI 304 SS
Motor Adapter	AISI 303 SS
Casing	AISI 304 SS
Shaft	AISI 304 SS
Coupling	AISI 304 SS, Powder Metal
Cable Guard	AISI 304 SS
Suction Screen	AISI 304 SS

*See repair parts for where used.



GOULDS WATER TECHNOLOGY 4" SINGLE-PHASE MOTORS

Order No.	Type	HP	Volts	Length in. (mm)	Weight lb. (kg.)
M05421	2-wire PSC	½	115	10.5 (267)	18 (8.2)
M05422		½		10.5 (267)	18 (8.2)
M07422		¾	230	11.9 (302)	22 (9.7)
M10422		1		12.5 (318)	24 (10.5)
M15422		1.5		14.2 (361)	28 (12.4)
M05411	3-wire	½	115	9.6 (244)	17.9 (8.1)
M05412		½		9.2 (234)	16.7 (7.6)
M07412		¾	230	10.3 (262)	19.8 (9.0)
M10412		1		11.2 (284)	22.0 (10.0)
M15412		1.5		12.8 (325)	26.0 (11.8)
M20412		2		15.1 (383)	31 (14.1)
M30412		3		18.3 (466)	40 (18.1)
M50412		5		27.7 (703)	70 (31.8)

NEMA MOTOR

- Corrosion resistant stainless steel construction.
- Built-in surge arrester is provided on single phase motors through 5 HP.
- Stainless steel splined shaft.
- Hermetically sealed windings.
- Replaceable motor lead assembly.
- NEMA mounting dimensions.
- Control box is required with 3 wire single phase units.
- Three phase units require a magnetic starter with three leg Class 10 overload protection.

GOULDS WATER TECHNOLOGY 4" THREE-PHASE MOTORS

Order No. by Voltage			HP	Length in. (mm)	Weight lb. (kg.)
200V	230V	460V			
M05430	M05432	M05434	½	10.0 (254)	19 (8.7)
M07430	M07432	M07434	¾	10.8 (275)	22 (9.7)
M10430	M10432	M10434	1	11.7 (297)	23 (10.4)
M15430	M15432	M15434	1.5	11.7 (297)	23 (10.4)
M20430	M20432	M20434	2	13.8 (351)	28 (12.7)
M30430	M30432	M30434	3	15.3 (389)	32 (14.5)
M50430	M50432	M50434	5	21.7 (550)	55 (24.9)
M75430	M75432	M75434	7.5	27.7 (703)	70 (1.8)

Order No.	HP	Volts	Length in. (mm)	Weight lb. (kg.)
M15437	1.5	575	11.7 (297)	23 (10.4)
M20437	2		15.3 (389)	32 (14.5)
M30437	3		15.3 (389)	32 (14.5)
M50437	5		27.7 (703)	70 (31.8)
M75437	7.5		27.7 (703)	70 (31.8)

AGENCY LISTINGS



Pump/Water End and Goolds water technology Motor - tested to UL778 and CAN 22.2 by CSA International (Canadian Standards Association)



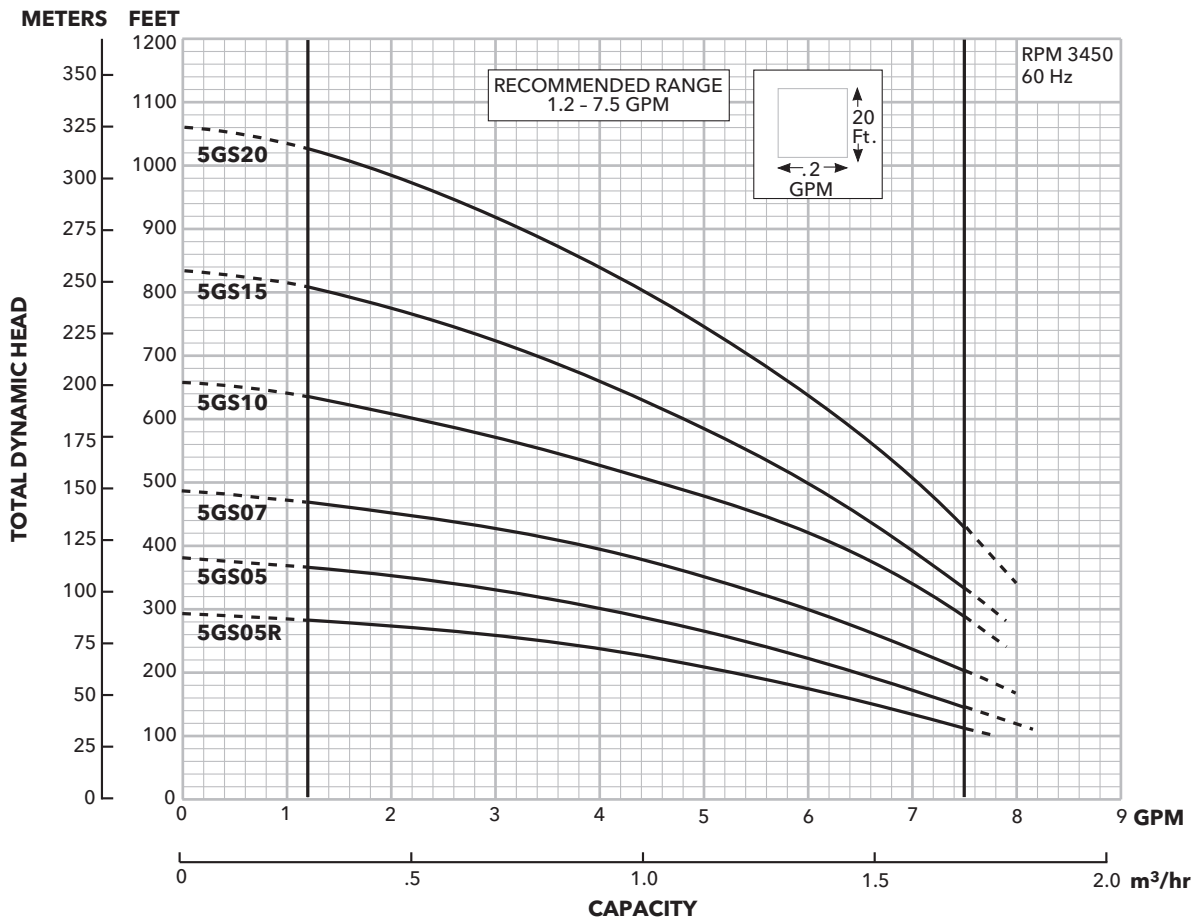
Goolds water technology Motor - Certified to NSF/ANSI 61, Annex G, Drinking Water System Components 4P49



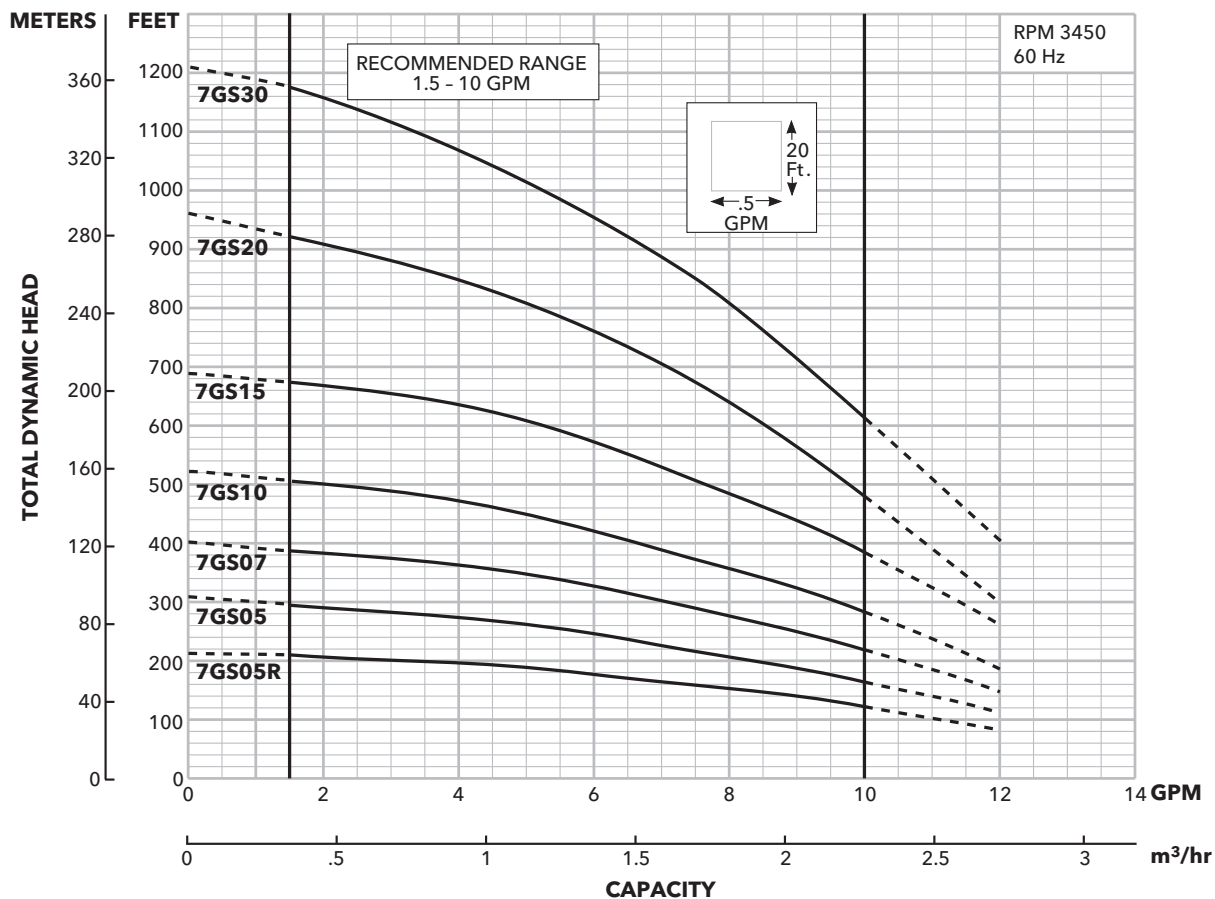
NSF/ANSI 372 - Drinking Water System Components - Lead Content

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

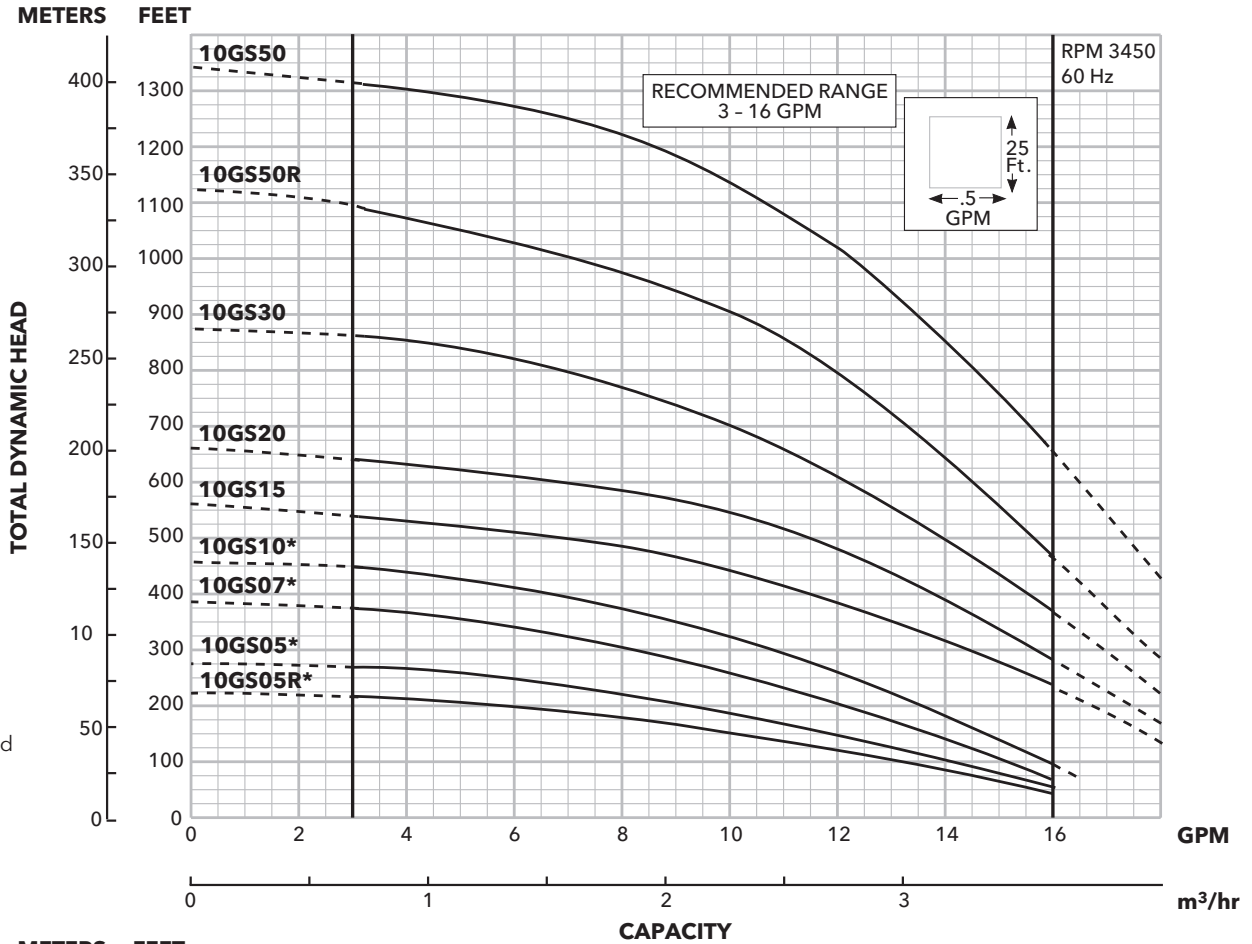
Model 5GS



Model 7GS

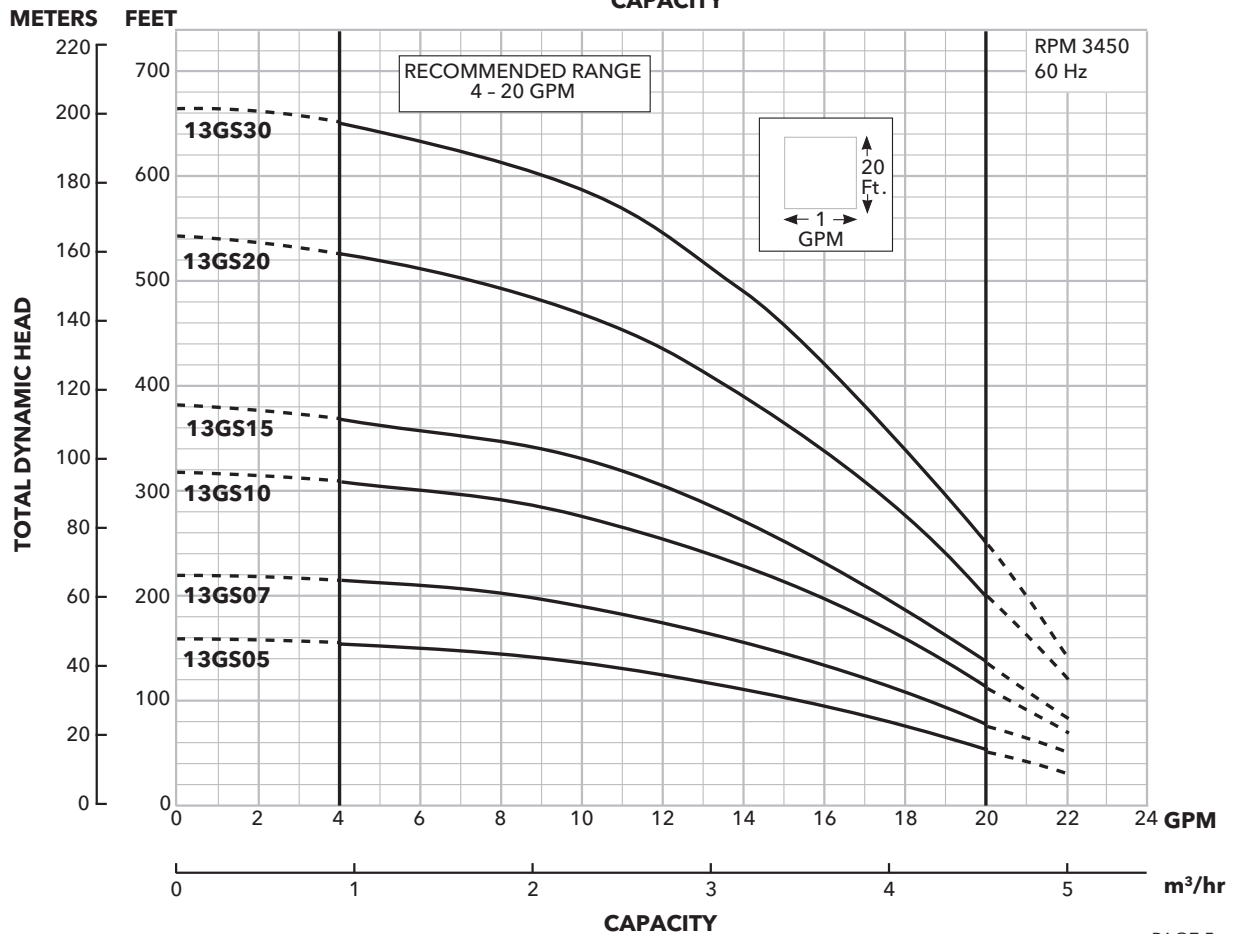


Model 10GS

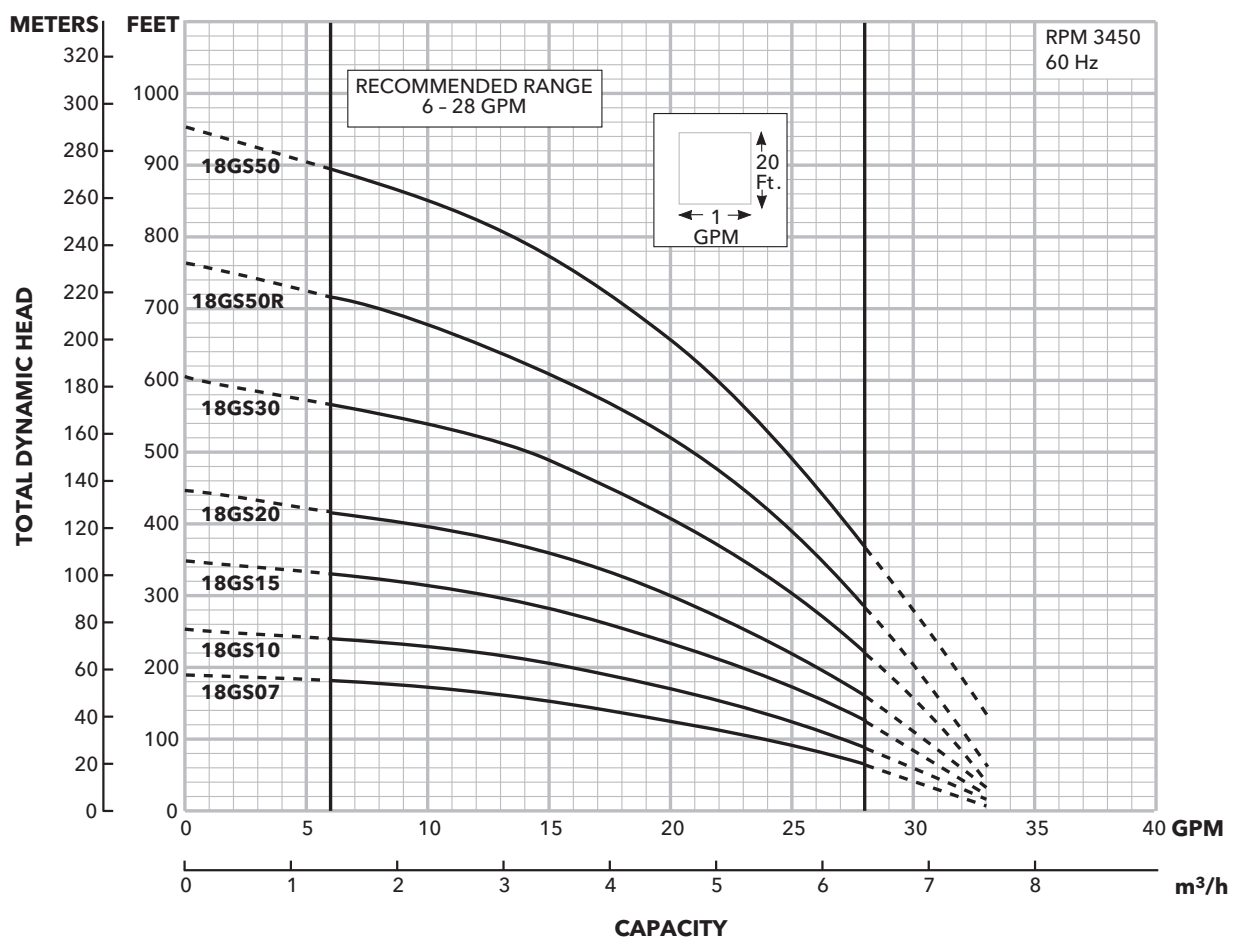


New High Head Hydraulic Design for models manufactured starting 8/2017
* HH Versions

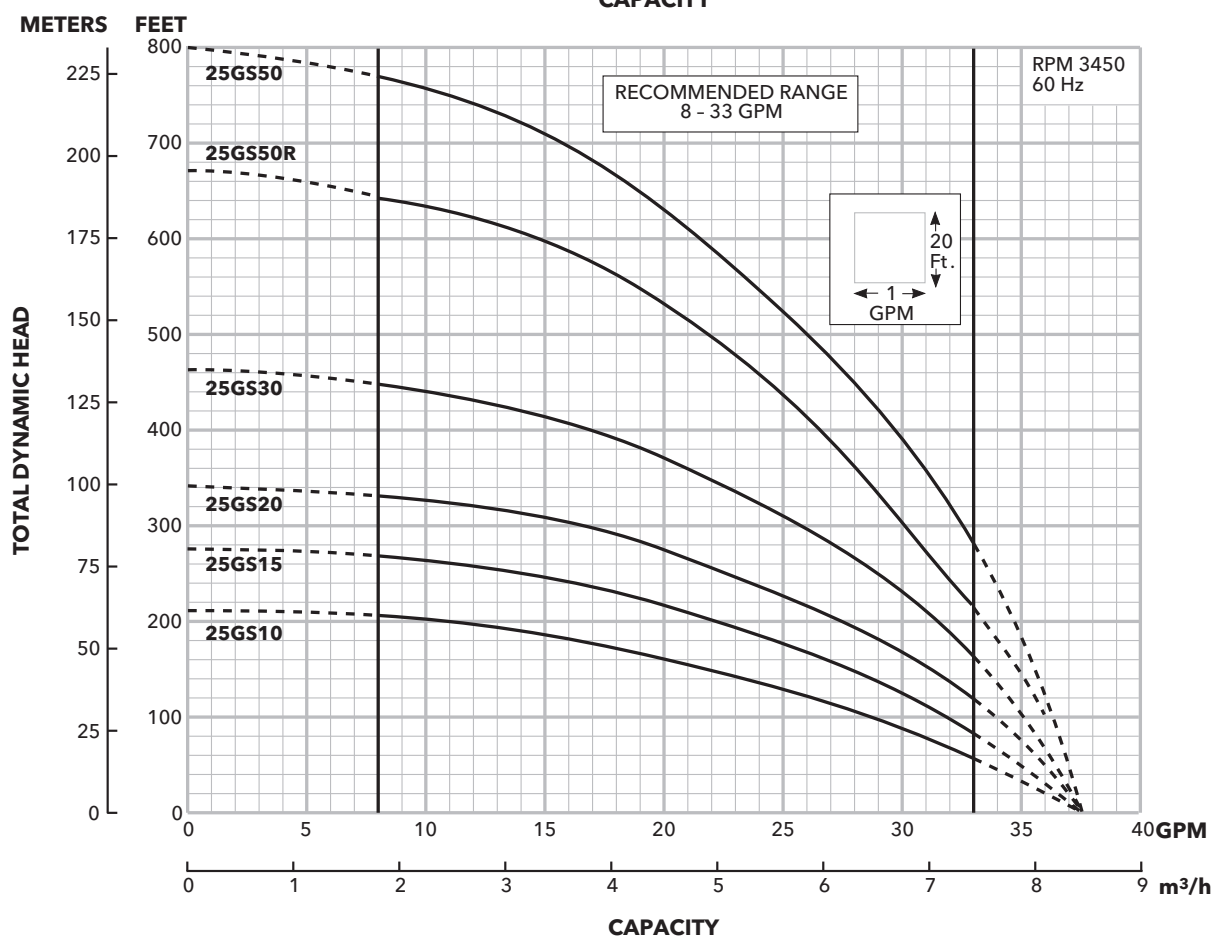
Model 13GS



Model 18GS



Model 25GS



Residential Water Systems

MODEL 5GS

SELECTION CHART

Horsepower Range 1/2 - 2, Recommended Range 1.2 - 7.5 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																			
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980	1020			
5GS05R	1/2	0					7.4	6.9	6.3	5.8	5.3	4.7	4.0	3.0	1.4																							
		20			7.3	6.7	6.2	5.6	5.1	4.5	3.8	2.6																										
		30			7.2	6.6	6.1	5.6	5.0	4.4	3.6	2.3																										
		40	7.1	6.6	6.0	5.5	4.9	4.3	3.4	2.1																												
		50	7.0	6.5	5.9	5.4	4.9	4.2	3.3	1.8																												
		60	6.4	5.8	5.3	4.8	4.1	3.1	1.6																													
Shut-off PSI			118	109	101	92	83	75	66	57	49	40	31	23	14	5																						
5GS05	1/2	0					7.7	7.3	6.9	6.4	6.0	5.6	5.1	4.7	4.1	2.6																						
		20				7.5	7.1	6.7	6.3	5.9	5.4	5.0	4.5	3.9	3.2	2.3																						
		30			7.5	7.1	6.7	6.2	5.8	5.4	4.9	4.4	3.8	3.1	2.1																							
		40		7.4	7.0	6.6	6.2	5.7	5.3	4.9	4.3	3.7	2.9	1.9																								
		50	7.7	7.4	6.9	6.5	6.1	5.7	5.2	4.8	4.2	3.6	2.8	1.8																								
		60	7.3	6.9	6.5	6.0	5.6	5.2	4.7	4.2	3.5	2.6	1.6																									
Shut-off PSI			156	147	138	130	121	112	104	95	86	78	69	60	52	43	34	17																				
5GS07	3/4	0										7.6	7.3	7.0	6.6	6.3	5.9	5.2	4.4	3.3	1.6																	
		20									7.5	7.2	6.9	6.5	6.2	5.8	5.5	5.1	4.2	3.1	1.3																	
		30									7.5	7.2	6.8	6.5	6.1	5.8	5.4	5.0	4.6	3.6	2.1																	
		40						7.4	7.1	6.8	6.4	6.1	5.7	5.4	5.0	4.6	4.1	2.8																				
		50					7.4	7.1	6.7	6.4	6.0	5.7	5.3	4.9	4.5	4.0	3.4	1.8																				
		60			7.6	7.3	7.0	6.7	6.3	6.0	5.6	5.3	4.9	4.4	3.9	3.3	2.6																					
Shut-off PSI					184	175	167	158	149	141	132	123	115	106	97	89	80	63	45	28	11																	
5GS10	1	0														7.5	7.0	6.5	5.9	5.3	4.6	3.8	2.8	1.6														
		20													7.6	7.4	7.2	7.0	6.4	5.9	5.2	4.5	3.7	2.6														
		30												7.6	7.4	7.2	6.9	6.7	6.1	5.5	4.8	4.0	3.1	1.9														
		40											7.6	7.4	7.1	6.9	6.6	6.3	5.8	5.1	4.4	3.5	2.5															
		50										7.5	7.3	7.1	6.8	6.6	6.3	6.0	5.4	4.7	3.9	2.9	1.7															
		60										7.5	7.3	7.1	6.8	6.5	6.3	6.0	5.7	5.0	4.3	3.4	2.3															
Shut-off PSI											214	206	197	188	180	171	162	154	136	119	102	84	67	50	32	15												
5GS15	1 1/2	0														7.5	7.2	6.8	6.3	5.9	5.5	5.1	4.6	4.1	3.5	2.8	1.8											
		20														7.6	7.5	7.1	6.7	6.3	5.8	5.4	5.0	4.5	4.0	3.4	2.6	1.6										
		30														7.6	7.5	7.3	6.9	6.5	6.0	5.6	5.2	4.7	4.2	3.7	3.0	2.1										
		40														7.6	7.4	7.3	7.1	6.6	6.2	5.8	5.3	4.9	4.5	3.9	3.3	2.5	1.4									
		50														7.6	7.4	7.2	7.0	6.8	6.4	6.0	5.5	5.1	4.7	4.2	3.6	2.9	1.9									
		60														7.6	7.4	7.2	7.0	6.8	6.6	6.1	5.7	5.3	4.8	4.4	3.8	3.2	2.4									
Shut-off PSI																274	265	257	248	239	231	213	196	179	162	144	127	110	92	75	58	40	23					
5GS20	2	0																			7.4	7.1	6.8	6.4	6.1	5.7	5.4	5.0	4.7	4.3	3.9	3.3	2.7					
		20																				7.4	7.1	6.7	6.4	6.0	5.7	5.3	5.0	4.6	4.2	3.8	3.3	2.6	1.9			
		30																				7.5	7.2	6.9	6.5	6.2	5.8	5.5	5.1	4.8	4.4	4.0	3.5	2.9	2.2			
		40																				7.3	7.0	6.7	6.3	6.0	5.6	5.3	4.9	4.6	4.2	3.7	3.2	2.5	1.7			
		50																				7.5	7.2	6.8	6.5	6.1	5.8	5.4	5.1	4.7	4.3	3.9	3.4	2.8	2.1			
		60																				7.6	7.3	7.0	6.6	6.3	5.9	5.6	5.2	4.9	4.5	4.1	3.6	3.1	2.4	1.6		
Shut-off PSI																						328	311	293	276	259	242	224	207	190	172	155	138	120	103	86	68	51

MODEL 7GS

SELECTION CHART

Horsepower Range 1/2 - 1, Recommended Range 1.5 - 10 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																												
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	540	580	620	
7GS05R	1/2	0						10.2	8.9	7.5	5.9	3.6																			
		20				9.8	8.5	7.0	5.3	2.5																					
		30			9.6	8.3	6.8	4.9	1.9																						
		40		9.4	8.1	6.5	4.6	1.2																							
		50	9.2	7.8	6.3	4.2	0.5																								
		60	7.6	6.0	3.8																										
Shut-off PSI			85	77	68	59	51	42	33	25	16	7																			
7GS05	1/2	0								10.1	9.2	8.3	7.4	6.3	5.0	3.4															
		20						9.8	9.0	8.1	7.1	6.0	4.6	2.7																	
		30					9.7	8.8	7.9	6.9	5.8	4.3	2.4																		
		40			10.4	9.6	8.7	7.8	6.7	5.6	4.1	2.0																			
		50		10.3	9.4	8.5	7.6	6.6	5.4	3.8	1.7																				
		60	10.2	9.3	8.4	7.5	6.4	5.1	3.5																						
Shut-off PSI			125	116	107	99	90	81	73	64	55	47	38	29	21	12															
7GS07	3/4	0											10.0	9.3	8.6	7.9	7.1	6.2	5.2	4.0	2.4										
		20								10.4	9.8	9.1	8.4	7.7	6.9	6.0	4.9	3.5	1.8												
		30							10.3	9.7	9.0	8.3	7.5	6.7	5.8	4.7	3.3	1.5													
		40						10.2	9.5	8.9	8.2	7.4	6.6	5.6	4.5	3.1															
		50					10.1	9.4	8.8	8.1	7.3	6.5	5.5	4.3	2.8																
		60				10.0	9.3	8.7	7.9	7.2	6.3	5.3	4.1	2.5																	
Shut-off PSI						140	131	122	114	105	96	88	79	70	62	53	44	36	27	18	10										
7GS10	1	0													10.1	9.6	9.0	8.5	7.9	7.3	6.7	6.0	5.3	4.4	3.4	2.1					
		20											10.4	9.9	9.4	8.9	8.3	7.7	7.1	6.5	5.8	5.0	4.1	3.0	1.6						
		30											10.3	9.9	9.3	8.8	8.2	7.6	7.0	6.4	5.7	4.9	4.0	2.8							
		40										10.3	9.8	9.2	8.7	8.1	7.5	6.9	6.3	5.6	4.8	3.8	2.6								
		50										10.2	9.7	9.2	8.6	8.0	7.4	6.8	6.2	5.4	4.6	3.7	2.4								
		60								10.1	9.6	9.1	8.5	7.9	7.3	6.7	6.0	5.3	4.5	3.5	2.2										
Shut-off PSI								166	158	149	140	132	123	114	106	97	88	80	71	62	54	45	36	28	19	10					

Horsepower Range 1 1/2 - 3, Recommended Range 1.5 - 10 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																														
			200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980	1020	1060	1100	1140				
7GS15	1 1/2	0										10.2	9.3	8.5	7.6	6.8	5.9	4.7	2.6														
		20								10.1	9.2	8.3	7.5	6.7	5.8	4.5	2.1																
		30							10.4	9.6	8.7	7.8	7.0	6.2	5.1	3.3																	
		40					10.3	9.9	9.1	8.2	7.4	6.6	5.6	4.2	1.6																		
		50				10.3	9.9	9.4	8.6	7.7	6.9	6.0	4.9	2.9																			
		60			10.2	9.8	9.4	8.9	8.1	7.2	6.4	5.4	3.9																				
Shut-off PSI					194	186	177	168	151	134	116	99	82	64	47	30	12																
7GS20	2	0											9.8	9.3	8.7	8.4	7.8	7.1	6.3	5.4	4.5	3.5	2.2										
		20											9.8	9.3	8.7	8.4	7.7	6.9	6.2	5.3	4.3	3.2	2.8										
		30											9.9	9.5	9.0	8.5	7.9	7.2	6.4	5.7	4.4	3.7											
		40										10.0	9.7	9.2	8.7	8.3	7.5	6.7	6.0	5.2	4.1	3.0											
		50										9.9	9.4	8.9	8.5	7.8	7.2	6.3	5.5	4.7	3.5												
		60								10.0	9.6	9.1	8.7	8.2	7.4	6.6	5.8	5.0	4.0														
Shut-off PSI									268	251	234	216	199	182	165	147	130	113	95	80	61	43	26										
7GS30	3	0															9.8	9.5	9.2	8.7	8.3	7.9	7.4	6.8	6.2	5.4	4.7	3.9	3.0	2.0			
		20															9.8	9.4	9.2	8.7	8.3	7.8	7.2	6.7	6.2	5.3	4.5	3.7	3.3	1.7			
		30															10.0	9.6	9.2	8.8	8.5	8.0	7.5	6.9	6.3	5.7	4.8	4.1	3.2	2.3			
		40															10.0	9.7	9.4	9.0	8.6	8.2	7.7	7.2	6.6	5.9	5.2	4.4	3.6	2.7	1.7		
		50															9.9	9.5	9.2	8.7	8.4	7.9	7.4	6.8	6.3	5.5	4.8	3.9	3.1	2.2			
		60															10.0	9.7	9.3	9.0	8.6	8.1	7.6	7.0	6.5	5.8	5.1	4.2	3.4	2.5	1.5		
Shut-off PSI																320	303	286	268	251	234	216	199	182	165	147	130	113	95	78	61	43	27

MODEL 10GS

SELECTION CHART Horsepower Range ½ - 3, Recommended Range 3 - 16 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																																
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420	440	460										
10GS05R*	½	0			15.3	14.2	13.1	12.0	10.9	9.8	8.4	6.1	2.1																						
		20	15.0	13.9	12.8	11.6	10.6	9.4	7.8	5.1	0.3																								
		30	13.7	12.6		11.5	10.4	9.2	7.5	4.6																									
		40	12.4	11.3	10.2	9.0	7.2	3.9																											
		50	11.1	10.1	8.8	6.8	3.2																												
		60	9.9	8.5	6.4	2.5																													
Shut-off PSI			89	80	72	63	54	46	37	28	20	11	2																						
10GS05*	½	0			15.7	14.9	14.1	13.3	12.4	11.4	10.4	9.3	8.0	6.3	3.9																				
		20	15.4	14.7	13.9	13.0	12.1	11.1	10.1	8.9	7.5	5.7	2.9																						
		30	14.6	13.8	12.9	12.0	11.0	9.9	8.7	7.3	5.3	2.3																							
		40	13.6	12.8	11.8	10.8	9.7	8.5	7.0	4.9	1.7																								
		50	12.6	11.7	10.6	9.5	8.3	6.8	4.5	1.0																									
		60	11.5	10.5	9.3	8.1	6.5	4.1	0.2																										
Shut-off PSI			113	105	96	87	79	70	61	53	44	35	27	18	9	1																			
10GS07*	¾	0				15.7	15.2	14.6	14.0	13.4	12.7	12.0	11.4	10.8	10.1	9.5	8.7	7.7	6.4	4.6	2.1														
		20	16.0	15.5	15.0	14.5	13.8	13.2	12.5	11.8	11.2	10.6	9.9	9.2	8.4	7.3	5.9	3.9	1.2																
		30	15.5	15.0	14.4	13.7	13.1	12.4	11.7	11.1	10.5	9.8	9.1	8.3	7.1	5.6	3.5	0.7																	
		40	14.9	14.3	13.6	12.9	12.3	11.6	11.0	10.4	9.7	9.0	8.1	6.9	5.3	3.1	0.2																		
		50	14.2	13.5	12.8	12.2	11.5	10.9	10.3	9.6	8.9	8.0	6.7	5.0	2.7																				
		60	13.4	12.7	12.1	11.4	10.8	10.2	9.5	8.7	7.8	6.5	4.7	2.3																					
Shut-off PSI			161	152	143	135	126	118	109	100	92	83	74	66	57	48	40	31	22	14	5														
10GS10*	1	0					15.7	15.2	14.8	14.4	14.0	13.6	13.2	12.7	12.1	11.4	10.7	10.0	9.3	8.6	7.9	7.0	5.7	3.8	0.6										
		20		16.0	15.5	15.0	14.6	14.3	13.9	13.5	13.0	12.5	11.9	11.2	10.5	9.8	9.1	8.4	7.6	6.7	5.2	2.9													
		30	16.0	15.4	15.0	14.6	14.2	13.9	13.4	13.0	12.4	11.8	11.1	10.4	9.7	9.0	8.3	7.5	6.5	4.9	2.5														
		40	15.3	14.9	14.5	14.2	13.8	13.4	12.9	12.3	11.6	11.0	10.3	9.6	8.9	8.2	7.4	6.3	4.6	2.0															
		50	14.8	14.5	14.1	13.7	13.3	12.8	12.2	11.5	10.9	10.1	9.5	8.8	8.1	7.2	6.1	4.3	1.5																
		60	14.4	14.1	13.7	13.2	12.7	12.1	11.4	10.7	10.0	9.4	8.7	7.9	7.1	5.8	3.9	0.9																	
Shut-off PSI			192	184	175	166	158	149	140	132	123	114	106	97	88	80	71	62	54	45	36	28	19	10	2										

Horsepower Range 5, Recommended Range 3 - 16 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																				
			340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980	1020	1060		
10GS50R	5	0					15.6	15.1	14.6	14.2	13.7	13.3	12.8	12.3	11.7	11.0	10.2	9.2	7.9	6.3	4.3		
		20				16.0	15.5	15.0	14.6	14.1	13.6	13.2	12.7	12.2	11.6	10.9	10.1	9.0	7.6	6.0	3.9		
		30			15.7	15.3	14.8	14.3	13.8	13.4	12.9	12.4	11.9	11.2	10.4	9.5	8.2	6.7	4.9				
		40		16.0	15.5	15.0	14.5	14.0	13.6	13.1	12.6	12.1	11.5	10.8	9.9	8.8	7.4	5.7	3.6				
		50		15.7	15.2	14.7	14.2	13.8	13.3	12.9	12.4	11.8	11.1	10.3	9.3	8.0	6.5	4.5					
		60	15.9	15.4	14.9	14.4	14.0	13.5	13.0	12.6	12.0	11.4	10.7	9.7	8.6	7.2	5.4	3.2					
Shut-off PSI			341	324	306	289	272	255	237	220	203	185	168	151	133	116	99	81	64	47	29		

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																							
			440	480	520	560	600	640	680	720	760	800	840	880	920	960	1000	1040	1080	1120	1160	1200	1240	1280	1320	
10GS50	5	0						16	15.5	15.2	14.9	14.5	14	13.5	13	12.5	12	11.5	10.8	10.2	9.5	8.5	7	5.2		
		20					15.9	15.4	15.1	14.8	14.5	13.9	13.4	12.9	12.4	11.9	11.3	10.7	10.1	9.4	8.2	6.8	4.3			
		30				15.6	15.2	14.9	14.6	14.2	13.7	13.1	12.6	12.1	11.6	11.0	10.4	9.8	8.8	7.5	6.0	3.0				
		40				15.8	15.3	15.1	14.7	14.4	13.8	13.3	12.8	12.3	11.8	11.2	10.6	10.0	9.2	7.9	6.6	4.1				
		50				15.5	15.2	14.9	14.6	14.1	13.6	13.0	12.5	12.1	11.5	10.9	10.3	9.7	8.6	7.3	5.6					
		60				15.7	15.3	15.0	14.7	14.3	13.7	13.2	12.7	12.2	11.7	11.1	10.5	9.9	9.0	7.7	6.5	3.2				
Shut-off PSI					346	329	312	294	277	260	242	225	208	191	173	156	139	121	104	87	69	52	35	17		

* HH Versions

MODEL 13GS

SELECTION CHART

Horsepower Range ½ - 3, Recommended Range 4 - 20 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																												
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	
13GS05	½	0			19.0	17.5	15.3	12.5	8.2																						
		20	18.8	16.5	14.5	12.0	8.0																								
		30	16.0	13.4	11.0	4.1																									
		40	13.3	10.6	4.0																										
		50	9.8																												
		60																													
Shut-off PSI			60	52	43	35	26	17	9																						
13GS07	¾	0				19.7	18.5	17.0	15.0	13.2	11.5	8.5																			
		20		19.4	18.0	16.4	14.8	12.9	10.5	6.0																					
		30	18.9	17.5	16.0	14.6	12.5	10.0	5.0																						
		40	17.4	15.9	14.4	12.4	9.7	4.0																							
		50	15.4	13.8	12.0	9.5																									
		60	13.2	11.5	8.5																										
Shut-off PSI			86	78	69	61	52	43	35	26	17	8																			
13GS10	1	0					19.6	18.4	17.6	16.6	15.4	14.1	12.8	11.4	9.5	6.0															
		20			20.0	19.4	18.5	17.2	16.3	15.0	13.8	12.5	11.0	8.5	4.0																
		30		20.0	19.2	18.2	17.1	15.8	14.7	13.6	12.2	10.5	7.5																		
		40	19.9	19.0	18.0	17.0	15.7	14.6	13.5	12.0	10.1	7.3																			
		50	18.8	17.8	16.8	15.5	14.5	13.0	11.6	9.9	7.0																				
		60	17.6	16.6	15.4	14.1	12.8	11.4	9.5	6.0																					
Shut-off PSI			128	119	110	102	93	84	76	67	58	50	41	32	24	15	6														
13GS15	1½	0						19.7	18.9	18.2	17.3	16.3	15.2	14.2	13.2	12.1	8.7														
		20					19.5	18.4	17.9	17.0	16.0	15.1	14.1	12.9	11.8	10.2	8.8														
		30			20.2	19.4	18.6	17.6	16.8	15.8	14.9	14.0	12.6	11.5	9.9	7.9	4.0														
		40		20.0	19.3	18.5	17.5	16.6	15.7	14.8	13.9	12.5	11.4	9.5	7.3	4.0															
		50	20.0	19.1	18.3	17.4	16.4	15.5	14.5	13.6	12.3	11.0	9.2	6.3																	
		60	18.9	18.2	17.3	16.3	15.2	14.2	13.3	12.1	11.0	8.7	5.6																		
Shut-off PSI			156	147	139	130	121	113	104	95	87	78	69	61	52	43	35	17													
13GS20	2	0									20.0	19.5	19.0	18.3	17.9	17.2	15.8	14.4	12.6	10.5	7.7										
		20									19.8	19.4	18.8	18.2	17.6	17.0	16.3	15.6	14.1	12.4	10.2	6.8									
		30									19.7	19.3	18.7	18.2	17.4	16.8	16.2	15.5	14.8	13.1	11.1	8.8									
		40									19.6	19.2	18.6	18.1	17.3	16.7	16.1	15.4	14.7	13.8	12.0	9.8	6.0								
		50										20.1	19.5	19.1	18.4	18.0	17.2	16.6	16.0	15.2	14.6	13.7	12.9	10.8	8.5						
		60			20.0	19.5	19.0	18.3	17.9	17.2	16.5	15.8	15.1	14.4	13.6	12.6	11.5	9.2	5.0												
Shut-off PSI					206	198	189	180	172	163	155	146	137	129	120	111	103	85	68	51	33	16									
13GS30	3	0													19.8	19.4	18.9	18.0	17.1	16.0	14.6	13.5	11.9	10.0	7.3						
		20													19.6	19.2	18.9	18.3	17.9	17.0	15.9	14.7	13.3	11.8	9.7	6.9					
		30													20.0	19.5	19.1	18.8	18.2	17.8	17.4	16.4	15.2	13.9	12.3	10.5	8.3	4.0			
		40													20.0	19.4	19.1	18.7	18.2	17.8	17.3	16.8	15.6	14.5	13.0	11.4	9.5	6.0			
		50													19.9	19.5	19.0	18.6	18.1	17.7	17.2	16.7	16.1	14.9	13.7	12.0	10.1	7.9			
		60													19.8	19.4	18.9	18.5	18.0	17.5	17.1	16.6	16.0	15.4	14.2	12.9	11.0	9.0	5.0		
Shut-off PSI								235	226	217	209	200	191	183	174	165	157	139	122	104	87	70	53	35	18						

Residential Water Systems

MODEL 18GS

SELECTION CHART

Horsepower Range ¾ - 5, Recommended Range 6 - 28 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																														
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860		
18GS07	¾	0			28.2	26.5	24.0	21.0	17.9	13.5																							
		20	27.7	25.9	23.0	20.0	16.5	10.8																									
		30	25.0	22.0	18.8	15.7	9.5																										
		40	22.2	18.9	15.1	9.0																											
		50	18.4	15.0	7.5																												
		60	13.5	5.0																													
Shut-off PSI			74	66	58	49	40	32	23	14																							
18GS10	1	0					27.0	25.5	23.6	21.2	18.8	15.9	12.0																				
		20		28.0	26.6	25.1	22.7	20.0	17.6	14.0	10.0																						
		30	27.9	26.1	24.3	22.2	19.8	17.1	13.8	8.3																							
		40	26.0	24.1	22.0	19.7	17.0	13.1	8.0																								
		50	24.0	22.0	19.1	16.5	13.0	7.1																									
		60	21.0	18.6	15.8	12.0																											
Shut-off PSI			103	94	86	77	68	60	51	42	34	25	16																				
18GS15	1½	0					28.4	27.2	26.0	24.8	23.0	21.4	19.6	17.5	15.0	12.1																	
		20				27.8	26.8	25.4	24.0	22.2	20.6	18.8	16.7	14.0	10.0																		
		30			27.7	26.5	25.3	23.8	22.0	20.2	18.5	16.1	13.5	10.0																			
		40		27.5	26.3	25.0	23.6	22.0	20.1	18.1	16.0	13.1	9.5																				
		50	27.6	26.4	25.0	23.4	21.8	20.0	18.0	15.5	13.0	9.2																					
		60	26.0	24.6	23.0	21.2	19.5	17.5	15.0	12.0	7.9																						
Shut-off PSI			143	134	126	117	108	100	91	82	74	65	56	48	39	30	22																
18GS20	2	0							28.0	27.1	26.2	25.1	24.0	22.9	21.4	20.0	16.8	12.8															
		20						27.8	26.8	25.8	24.6	23.7	22.6	21.0	19.5	18.0	16.0	11.6															
		30					27.5	26.5	25.5	24.5	23.3	22.1	20.6	19.0	17.5	15.8	13.6	6.5															
		40			28.5	27.4	26.4	25.4	24.4	23.2	22.0	20.5	18.9	17.4	15.7	13.5	11.0																
		50		28.0	27.2	26.2	25.3	24.3	23.0	21.8	20.3	18.7	17.0	15.3	13.1	10.5	6.0																
		60	28.0	27.1	26.2	25.1	24.0	22.9	21.4	20.0	18.3	16.8	14.8	12.8	9.5																		
Shut-off PSI			183	174	165	157	148	139	131	122	113	105	96	87	79	70	61	44	27														
18GS30	3	0										28.0	27.4	26.7	26.0	25.0	23.5	21.5	19.2	16.9	14.2	10.5											
		20									27.7	27.0	26.3	25.8	24.9	24.0	23.0	21.0	18.9	16.5	13.5	9.0											
		30									27.6	26.9	26.2	25.5	24.8	23.9	22.9	21.9	19.8	17.5	14.9	11.2											
		40							27.5	26.9	26.2	25.4	24.6	23.8	22.8	21.8	20.9	18.5	16.0	13.3	8.0												
		50						27.4	26.8	26.0	25.2	24.5	23.6	22.6	21.7	20.6	19.5	17.3	14.5	11.0													
		60				28.0	27.4	26.7	26.0	25.0	24.3	23.5	22.5	21.5	20.5	19.2	18.0	15.7	12.8	7.0													
Shut-off PSI					225	216	208	199	190	182	173	164	156	147	139	130	113	95	78	61	43	26											
18GS50R	5	0														27.7	26.6	25.4	24.0	22.5	20.8	19.0	16.9	14.5	11.7	8.1							
		20														27.6	27.0	26.4	25.2	23.8	22.2	20.5	18.7	16.6	14.1	11.2	7.4						
		30													28.0	27.5	26.9	26.3	25.7	24.4	22.9	21.3	19.5	17.5	15.2	12.5	9.1						
		40											27.9	27.4	26.8	26.2	25.6	25.0	23.5	22.0	20.3	18.4	16.2	13.7	10.6	6.7							
		50									27.9	27.3	26.7	26.1	25.5	24.8	24.1	22.7	21.0	19.2	17.2	14.8	12.0	8.5									
		60								27.8	27.2	26.7	26.1	25.4	24.7	24.0	23.3	21.7	20.0	18.1	15.9	13.3	10.1	6.0									
Shut-off PSI									261	252	244	235	226	218	209	200	183	166	148	131	114	96	79	62	44	27							
18GS50	5	0																27.9	26.8	25.8	24.8	23.7	22.6	21.2	19.9	18.4	16.8	14.8	12.4	9.7			
		20																	27.5	26.6	25.6	24.5	23.3	22.2	21.0	19.8	18.0	16.2	14.3	12.0	8.8		
		30																	28.0	26.9	26.0	25.0	23.9	22.9	21.6	20.3	18.6	17.0	15.0	13.0	10.2	6.2	
		40																28.0	27.4	26.3	25.3	24.4	23.2	22.1	20.1	19.4	17.9	16.0	14.0	11.6	8.0		
		50															27.9	27.3	26.8	25.9	24.9	23.8	22.7	21.3	20.1	18.5	16.9	14.9	12.8	10.0	6.0		
		60															27.9	27.2	26.8	26.2	25.2	24.1	23.0	21.9	20.7	19.2	17.5	15.8	13.6	11.0	7.8		
Shut-off PSI																307	298	290	281	264	246	229	212	195	177	160	143	125	108	91	73	56	39

MODEL 25GS

SELECTION CHART

Horsepower Range 1 - 5, Recommended Range 8 - 33 GPM, 60 Hz, 3450 RPM

Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																												
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740			
25GS10	1	0			32.8	30.8	28.6	26.2	23.5	20.0	16.2	11.0																			
		20	31.8	30.0	27.5	25.2	22.0	19.0	15.0	8.0																					
		30	29.6	27.2	25.0	21.6	18.0	14.0																							
		40	27.1	24.9	21.5	17.9	13.9																								
		50	24.3	21.0	17.5	13.0																									
		60	20.0	16.2	11.0																										
Shut-off PSI			82	74	65	56	48	39	30	22	13	4																			
25GS15	1½	0				33.0	31.8	30.3	28.8	26.9	24.8	22.0	19.8	16.5	11.0																
		20		32.6	31.2	29.6	28.0	26.0	23.8	21.0	18.1	14.8	8.0																		
		30	32.5	31.0	29.5	27.6	25.6	23.2	20.9	17.9	14.0																				
		40	30.9	29.4	27.5	25.5	23.1	20.8	17.7	13.6																					
		50	29.0	27.2	25.1	22.9	20.4	17.2	13.0																						
		60	26.9	24.8	22.0	19.8	16.5	11.0																							
Shut-off PSI			111	103	94	85	77	68	59	51	42	33	25	16	7																
25GS20	2	0						33.0	31.8	30.4	29.0	27.4	25.7	22.6	21.5	19.3	15.4														
		20				32.7	31.3	30.0	28.6	26.8	25.0	22.9	20.9	18.3	14.3	9.0															
		30			32.3	31.0	29.6	28.5	26.4	24.5	22.6	20.5	18.0	14.0	8.0																
		40			30.9	29.5	28.2	26.3	24.3	22.4	20.4	17.8	13.6	8.0																	
		50		30.5	29.4	28.0	26.0	24.1	22.1	20.0	17.2	13.2																			
		60	30.4	29.0	27.4	25.7	22.6	21.5	19.3	15.4	12.2																				
Shut-off PSI			139	130	121	113	104	95	87	78	69	61	52	43	35	26	17														
25GS30	3	0								33.0	32.2	31.5	30.5	29.6	28.3	27.1	25.8	22.6	19.0	14.0											
		20						32.8	32.0	31.0	30.0	29.0	27.9	26.6	25.0	23.8	21.9	20.0	12.6												
		30					32.6	31.8	30.9	30.0	28.8	27.6	26.5	24.9	23.4	21.6	19.9	15.2	8.0												
		40				32.5	31.7	30.9	29.9	28.8	27.5	26.2	24.7	23.3	21.5	19.9	17.8	11.9													
		50			32.3	31.6	30.8	29.8	28.5	27.3	26.0	24.5	23.0	21.2	19.5	17.4	11.5														
		60	33.0	32.2	31.5	30.5	29.6	28.3	27.1	25.8	24.1	22.6	20.9	19.0	16.9	14.0	10.0														
Shut-off PSI			191	183	174	165	157	148	139	131	122	113	105	96	87	79	70	53	35	18											
25GS50R	5	0											32.7	32.2	31.7	31.2	30.5	29.1	27.3	25.3	23.3	21.4	19.3	16.5	11.7						
		20										33.0	32.5	32.1	31.5	31.0	30.3	29.6	28.8	27.0	25.0	23.0	21.1	18.9	15.9	10.6					
		30							32.9	32.4	31.9	31.4	30.8	30.1	29.4	28.5	27.6	26.7	24.7	22.7	20.8	18.6	15.3								
		40						32.8	32.3	31.8	31.3	30.7	30.0	29.2	28.4	27.5	26.5	25.6	23.6	21.6	19.6	16.9									
		50				32.7	32.2	31.7	31.2	30.6	29.9	29.1	28.3	27.4	26.4	25.4	24.4	22.4	20.4	18.2	14.6										
		60							32.6	32.1	31.6	31.0	30.3	29.9	29.2	27.8	26.3	24.5	22.6	21.8	18.7	16.0	12.7								
Shut-off PSI						252	243	234	226	217	208	200	191	182	174	165	156	139	122	104	87	70	52	35	18						
25GS50	5	0														33.0	32.5	31.5	30.2	29.0	27.6	26.0	24.2	22.4	20.5	18.3	15.8	12.0			
		20														32.9	32.3	31.8	31.3	30.0	28.8	27.2	25.8	23.9	22.0	20.0	17.8	15.0	11.0		
		30														32.8	32.2	31.8	31.2	30.5	29.3	27.9	26.4	24.8	22.9	21.0	18.9	16.2	13.0	8.0	
		40												32.7	32.1	31.7	31.1	30.4	29.9	28.5	27.1	25.4	23.7	21.9	19.9	17.5	14.5	10.5			
		50											32.6	32.1	31.6	31.0	30.3	29.9	29.2	27.8	26.3	24.5	22.6	21.8	18.7	16.0	12.7				
		60							33.0	32.5	32.0	31.5	30.8	30.2	29.8	29.0	28.3	26.9	25.1	23.3	21.5	19.5	17.0	14.0	9.5						
Shut-off PSI								286	277	268	260	251	242	234	225	216	199	182	165	147	130	113	95	78	61	43	26				



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