

MODEL GS

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



SPECIFICATIONS

Model	Flow Range GPM	Horsepower Range	Best Eff. 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	½ – 5	18	1¼"	4"	CCW
25GS	8 – 33	1 – 5	25	1¼"	4"	CCW




① Rotation is counterclockwise when observed from pump discharge end.

"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 Eng. 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	
Coupling	AISI 304 SS, Powder Metal
Cable Guard	AISI 304 SS
Suction Screen	AISI 304 SS

*See repair parts for where used.

AGENCY LISTINGS

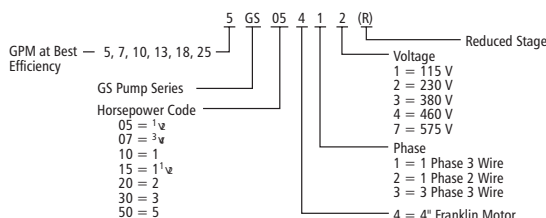
-  Canadian Standards Association
-  Underwriters Laboratories
-  ANSI/NSF 61 - Drinking Water System Components 4P49

Goolds Pumps is ISO 9001 Registered.

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:** Serviceability has been improved due to new manufacturing processes resulting in improved thread quality. 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 40 years as a superior sand handling, durable pump design.
- **Stainless Steel Metal Parts:** AISI types 302, 303 and 304 are corrosion resistant, non-toxic and non-leaching.
- **FDA Compliant Non-Metallic Parts:** Impellers, diffusers and bearing spiders are constructed of glass filled engineered composites.

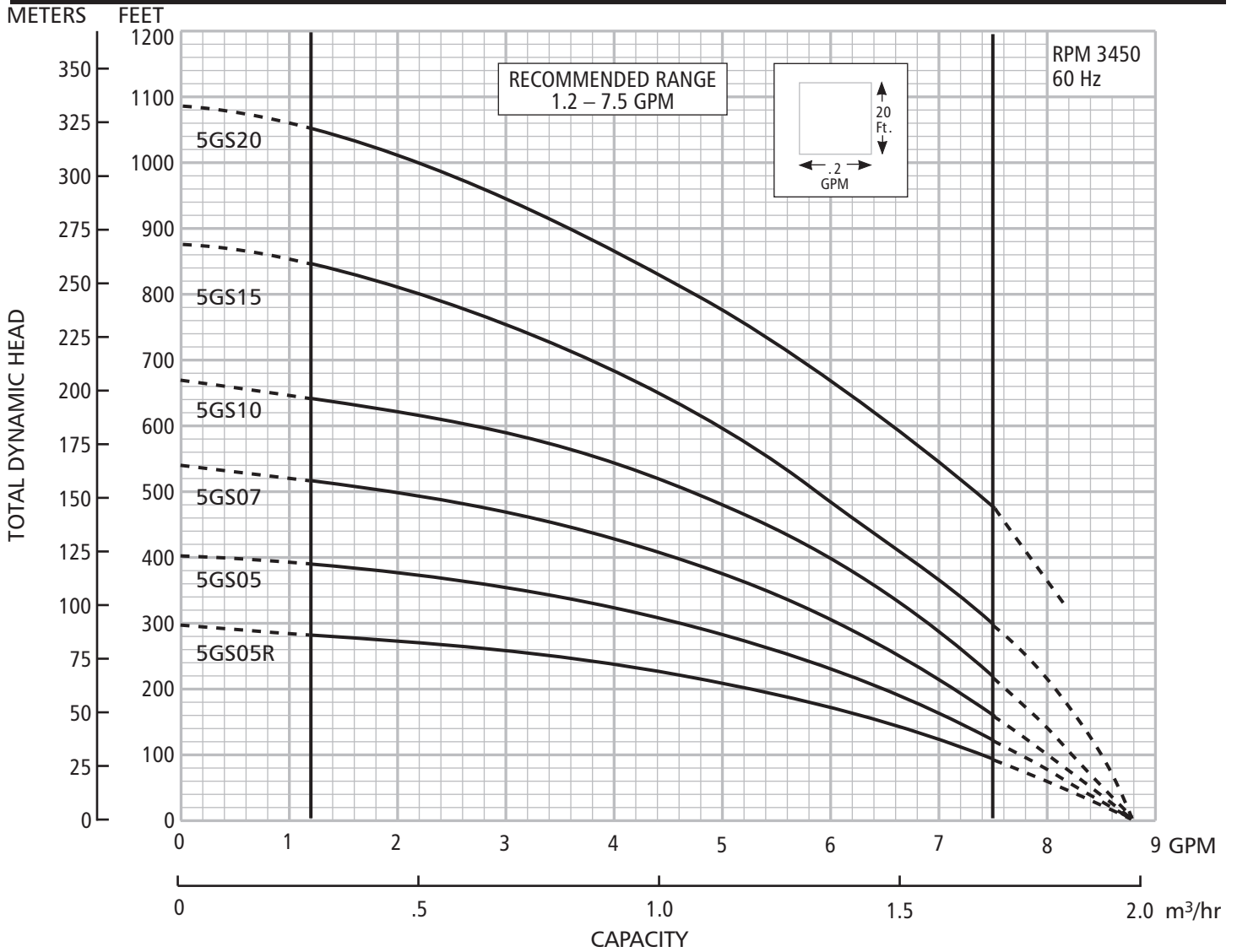
ORDER NUMBER CODE



- They are corrosion resistant and non-toxic.
- **Discharge Head/Check Valve:** Precision cast 303 stainless steel for superior strength and durability. Features two (2) 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:** Precision cast 303 stainless steel for rigid, accurate alignment of pump and motor. Generous space for access to motor mounting nuts using standard open end wrench.
- **Bowls:** Stainless steel for strength and abrasive resistance.
- **Stainless Steel Casing:** Polished stainless steel is strong, attractive and corrosion resistant.
- **Hex Shaft Design:** Six sided shafts for positive impeller drive.
- **Shaft Coupling:** Exposed for ease of field alignment to motor shaft and to check pump rotation.

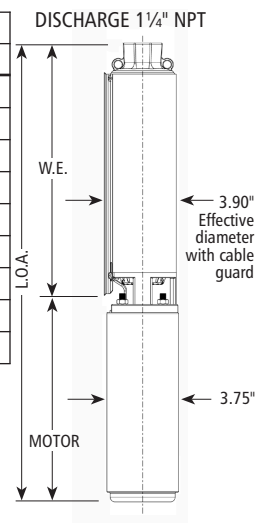
- **Engineered Polymer Bearings:** The proprietary, engineered polymer bearing material is extremely strong and highly resistant to abrasion and wear. The enclosed design upper bearing is mounted in a durable Noryl® bearing spider for excellent abrasion resistance.
- **NEMA Motor:**
 - Corrosion resistant stainless steel construction.
 - Built-in surge arrestor is provided on single phase motors through 5 HP.
 - Stainless steel splined shaft.
 - Hermetically sealed windings.
 - Replaceable motor lead assembly.
 - UL 778 recognized.
 - NEMA mounting dimensions.
 - Control box is required with 3 wire single phase units.
 - Three phase units require a magnetic starter with three leg protection. Magnetic starter and heaters must be ordered separately.
- **Agency Listings:** All factory assembled, complete pump/motor assemblies are UL778 and CSA listed. All pumps and motors comply with ANSI/NSF 61-1992. Motors are UL778 recognized.

Model 5GS



DIMENSIONS AND WEIGHTS

Order Number	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.②	Motor	L.O.A.③	W.E.	Motor	Total
5GS05412R,22,11,21①	½R①	1	9	12.9	9.5	22.4	8	19	27
5GS05412,22,11,21	½	1	12	15.0	9.5	24.5	9	19	28
5GS07412,22	¾	1	15	17.0	10.7	27.7	11	21	32
5GS10412,22	1	1	20	21.7	11.8	33.5	13	24	37
5GS15412	1½ 3 wire	1	26	25.8	13.6	39.4	15	28	43
5GS15422	1½ 2 wire	1	26	25.8	15.1	40.9	15	31	46
5GS15432,34	1½	3	26	25.8	11.8	37.6	15	24	39
5GS20④	2	1	33	31.6	15.1	46.7	19	33	52
5GS20④	2	3	33	31.6	13.6	45.2	19	28	47



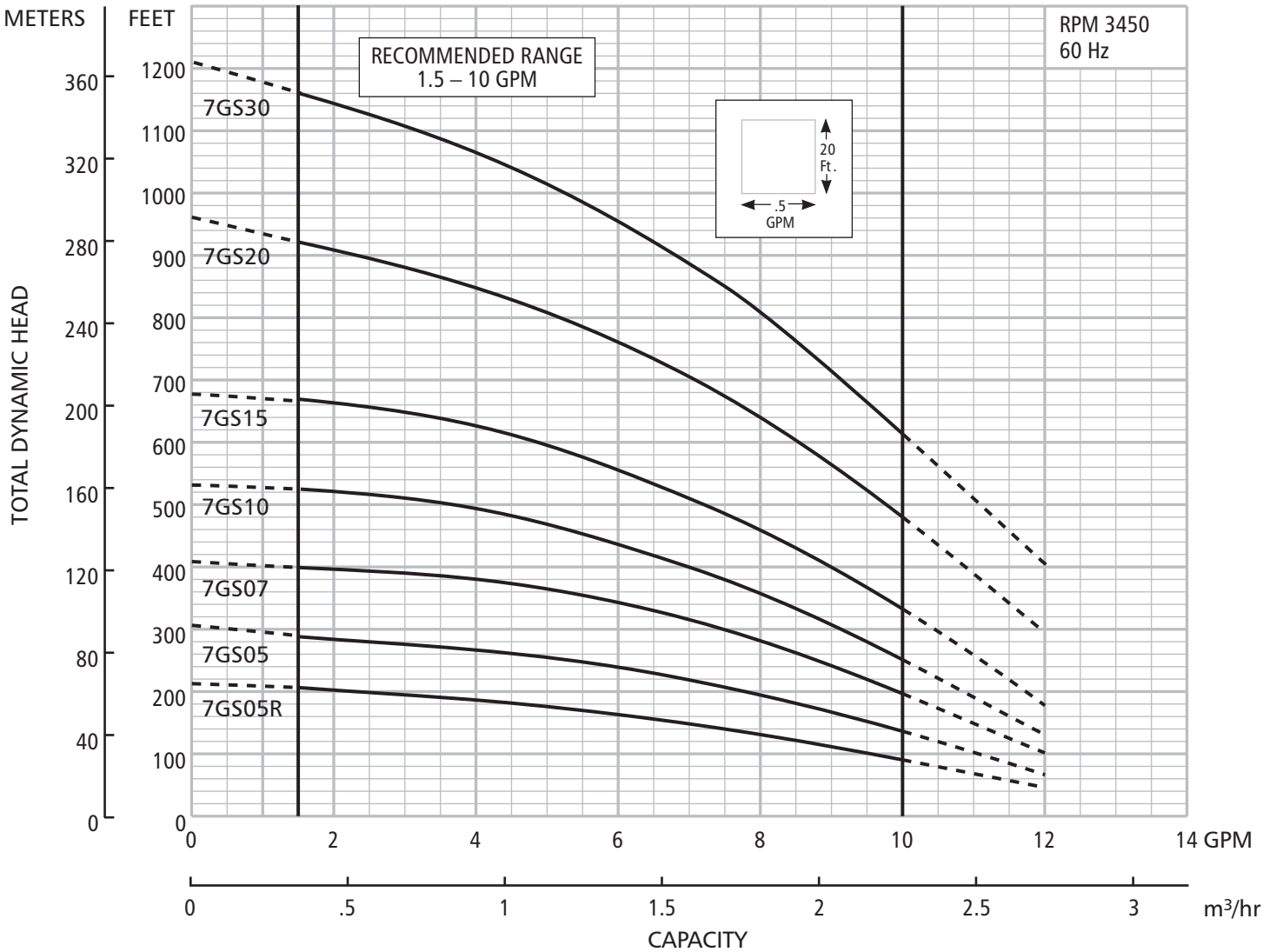
① Reduced stage ½ HP pump/water end for low head applications. This model replaces the ½ HP water end.

② W.E. = water end or pump without motor.

③ L.O.A. = length of assembly – complete pump – water end and motor.

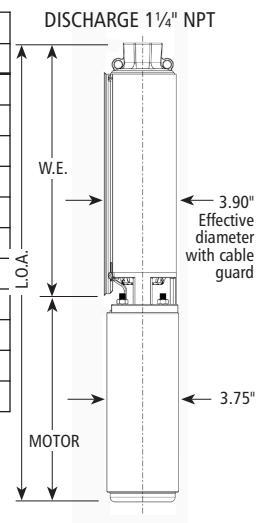
④ See Price Book for Complete Pump Order Numbers, 2 HP and larger units are not preassembled.

Model 7GS



DIMENSIONS AND WEIGHTS

Model	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.②	Motor	L.O.A.③	W.E.	Motor	Total
7GS05412R,22,11,21①	½R①	1	7	11.7	9.5	21.2	6	19	25
7GS05412,22,11,21	½	1	10	13.8	9.5	23.3	7	19	26
7GS07412,22	¾	1	13	16.0	10.7	26.7	8	21	29
7GS10412,22	1	1	17	18.8	11.8	30.6	9	24	33
7GS15412	1½ 3 wire	1	22	23.6	13.6	37.2	12	28	40
7GS15422	1½ 2 wire	1	22	23.6	15.1	38.7	12	31	43
7GS15432,34	1½	3	22	27.2	11.8	39.0	12	24	36
7GS20④	2	1	27	27.2	15.1	42.3	13	33	46
7GS20④	2	3	27	27.2	13.6	40.8	13	28	41
7GS30④	3	1	34	33.2	19.1	52.3	18	41	59
7GS30④	3	3	34	33.2	16.1	49.3	18	35	53



- ① Reduced stage ½ HP pump/water end for low head applications. This model replaces the ½ HP water end.
- ② W.E. = water end or pump without motor.
- ③ L.O.A. = length of assembly – complete pump – water end and motor.
- ④ See Price Book for Complete Pump Order Numbers, 2 HP and larger units are not preassembled.

Model 7GS



SELECTION CHART

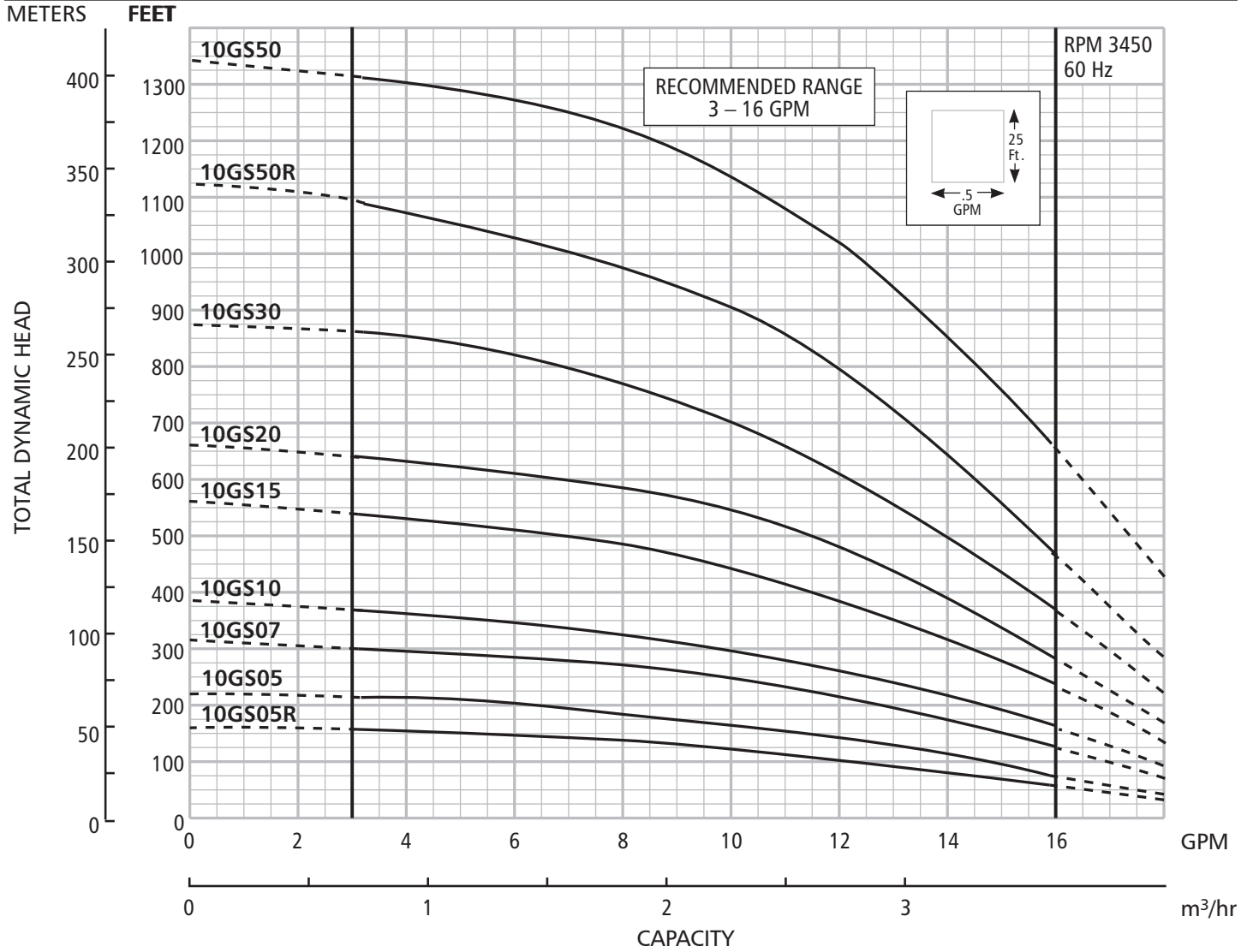
Horsepower Range 1/2 – 1, Recommended Range 1.5 – 10 GPM, 60 Hz, 3450 RPM

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	340	380	420	460	500	540	580	620	660	700	740	780	820	
7GS05R	1/2R	0					9.7	8.7	7.6	6.2	4.3	2.0																			
		20			9.4	8.4	7.4	5.7	3.5	1.5																					
		30		9.2	8.2	7.0	5.4	3.4																							
		40	9.0	8.1	6.9	5.2	3.1																								
		50	7.7	6.5	4.8	3.0																									
		60	6.2	4.3	2.0																										
Shut-off PSI			82	74	65	56	48	39	30	22	13	4																			
7GS05	1/2	0							9.8	9.2	8.5	7.8	7.0	5.9	4.5	2.8															
		20					9.7	9.0	8.3	7.5	6.6	5.7	4.1	2.0																	
		30				9.5	8.9	8.2	7.3	6.4	5.4	4.0	1.5																		
		40		10.0	9.4	8.8	8.1	7.3	6.1	5.1	3.9	1.5																			
		50	10.0	9.3	8.6	8.0	7.1	6.0	4.8	3.3																					
		60	9.2	8.5	7.8	7.0	5.9	4.5	2.8																						
Shut-off PSI			121	113	104	95	87	78	69	61	52	43	35	26	17	9															
7GS07	3/4	0										9.8	9.4	8.8	8.4	7.9	7.4	5.8	3.8												
		20							9.7	9.3	8.8	8.3	7.8	7.3	6.5	5.7	3.0														
		30							9.6	9.3	8.7	8.2	7.7	7.0	6.3	5.5	4.5														
		40					10.1	9.5	9.1	8.7	8.2	7.7	6.9	6.2	5.4	4.5	2.7														
		50				10.0	9.4	9.0	8.5	8.0	7.6	6.8	6.0	5.2	4.0	2.5															
		60			9.8	9.4	8.8	8.4	7.9	7.4	6.7	5.8	5.0	3.8	1.5																
Shut-off PSI					148	140	131	123	114	105	97	88	79	71	62	53	45	27	10												
7GS10	1	0												9.7	9.4	9.1	8.2	7.4	6.5	5.2	3.5										
		20												9.7	9.3	8.9	8.5	8.1	7.3	6.3	5.0	3.0									
		30												10.0	9.6	9.2	8.8	8.4	8.1	7.7	6.7	5.6	4.0								
		40												9.9	9.5	9.2	8.7	8.4	8.0	7.7	7.2	6.1	4.8	2.5							
		50												9.8	9.4	9.1	8.7	8.3	7.8	7.5	7.1	6.2	5.4	3.9							
		60												9.7	9.4	9.1	8.6	8.2	7.8	7.4	7.0	6.5	5.8	4.4	2.0						
Shut-off PSI									177	168	159	151	142	133	125	116	107	99	81	64	47	29	12								

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

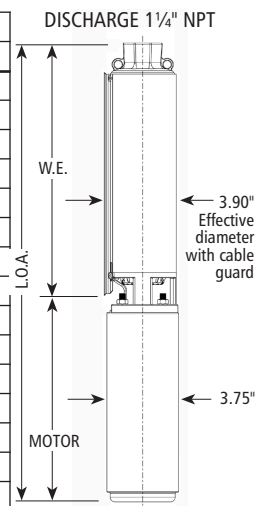
Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																													
			200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980	1020	1060	1100	1140			
7GS15	1 1/2	0							9.8	9.3	8.7	8.0	7.3	6.4	5.4	4.1	1.8															
		20					10.1	9.8	9.2	8.5	7.9	7.2	6.4	5.3	3.8	1.5																
		30				10.0	9.8	9.5	8.8	8.2	7.4	6.7	5.7	4.5	2.8																	
		40			10.0	9.7	9.5	9.1	8.4	7.8	7.0	6.2	5.2	3.4																		
		50		9.9	9.6	9.4	9.0	8.7	8.0	7.4	6.5	5.6	4.2	2.3																		
		60	9.8	9.6	9.3	9.0	8.7	8.3	7.6	6.9	6.0	4.9	3.1																			
Shut-off PSI			206	198	185	176	168	159	142	124	107	90	72	55	38	20																
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											
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



DIMENSIONS AND WEIGHTS

Model	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.②	Motor	L.O.A.③	W.E.	Motor	Total
10GS05412R,22,11,21①	½R①	1	5	10.1	9.5	19.6	6	19	25
10GS05412,22,11,21	½	1	7	11.5	9.5	21.0	7	19	26
10GS07412,22	¾	1	10	13.6	10.7	24.3	8	21	29
10GS10412,22	1	1	12	15.0	11.8	26.8	9	24	33
10GS15412	1½ 3 wire	1	17	18.4	13.6	32.0	12	28	40
10GS15422	1½ 2 wire	1	17	18.4	15.1	33.5	12	31	43
10GS15432	1½	3	17	18.4	11.8	30.2	12	24	36
10GS20④	2	1	20	21.7	15.1	36.8	13	33	46
10GS20④	2	3	20	21.7	13.6	35.3	13	28	41
10GS30④	3	1	27	27.5	19.1	46.6	18	41	59
10GS30④	3	3	27	27.5	16.1	43.6	18	35	53
10GS50R④①	5	1	35	33.0	28.2	61.2	21	70	91
10GS50R④①	5	3	35	33.0	22.2	55.2	21	55	76
10GS50④	5	1	42	40.2	28.2	68.4	24	70	94
10GS50④	5	3	42	40.2	22.2	62.4	24	55	79



- ① R = Reduced stage water end.
- ② W.E. = water end or pump without motor.
- ③ L.O.A. = length of assembly – complete pump – water end and motor.
- ④ See Price Book for Complete Pump Order Numbers, 2 HP and larger units are not preassembled.

Model 10GS



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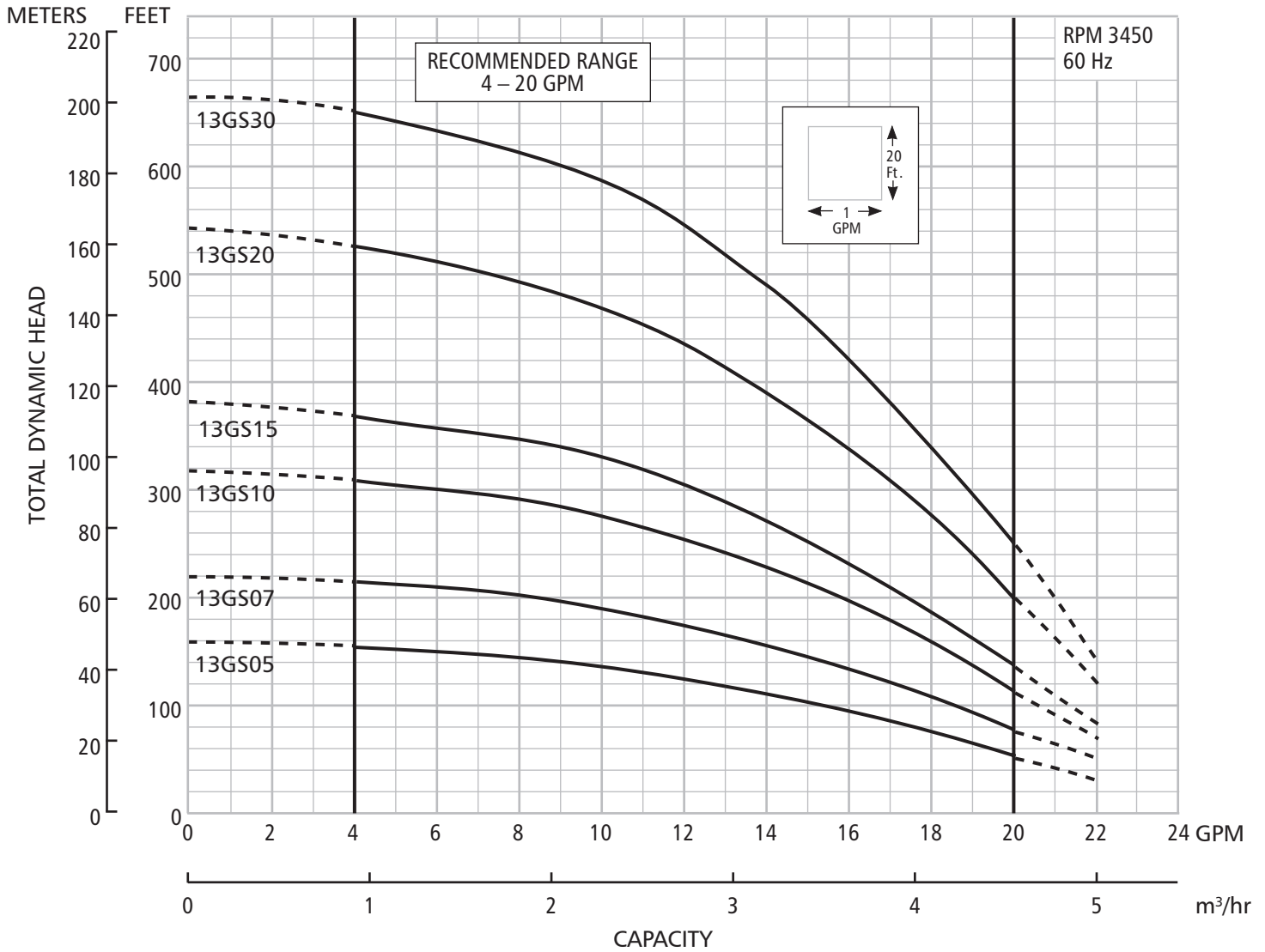
Horsepower Range 1/2 – 3, Recommended Range 3 – 16 GPM, 60 Hz, 3450 RPM

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	340	380	420	460	500	540	580	620	660	700	740	780	820							
10GS05R	1/2	0			15.6	14.0	12.4	10.4	6.5																												
		20	15.4	13.5	11.5	9.2	6.0																														
		30	13.0	11.1	8.0	4.0																															
		40	11.0	7.9	3.0																																
		50	7.0																																		
		60																																			
Shut-off PSI			61	53	44	34	26	18	10																												
10GS05	1/2	0				16.0	15.3	14.3	12.8	11.3	9.0	6.4																									
		20		15.9	14.9	13.8	12.5	10.8	8.3	4.8																											
		30	15.7	14.6	13.5	12.3	10.5	7.8	4.0																												
		40	14.5	13.4	12.0	10.3	7.5	3.0																													
		50	13.0	11.5	9.8	7.2																															
		60	11.3	9.0	6.4																																
Shut-off PSI			89	81	72	63	55	46	37	29	20	11																									
10GS07	3/4	0					16.0	15.2	14.3	13.4	12.5	11.5	10.3	9.0	7.0	4.0																					
		20				15.8	15.0	14.0	13.0	12.3	11.2	10.2	8.5	6.0																							
		30				15.7	14.8	13.9	12.8	12.0	11.0	9.8	8.2	5.5																							
		40		15.6	14.7	13.8	12.7	11.9	10.8	9.7	8.1	5.2																									
		50	15.3	14.4	13.5	12.6	11.6	10.5	9.4	7.5	4.8																										
		60	14.3	13.4	12.5	11.5	10.3	9.0	7.0	4.0																											
Shut-off PSI			130	121	113	104	95	87	78	69	61	52	43	35	26	17	9																				
10GS10	1	0						15.8	15.2	14.5	13.7	12.8	12.0	11.0	10.0	6.7																					
		20						15.7	14.9	14.3	13.5	12.7	11.7	10.6	9.6	8.1	6.5																				
		30				16.0	15.6	14.8	14.2	13.3	12.5	11.6	10.4	9.4	7.8	5.5	3.0																				
		40			16.0	15.5	14.7	14.1	13.2	12.4	11.5	10.3	9.1	7.4	5.0	3.0																					
		50			15.3	14.6	13.9	13.0	12.3	11.3	10.1	8.9	7.0	4.3																							
		60	15.8	15.2	14.5	13.7	12.8	12.0	11.0	10.0	8.6	6.7	4.0																								
Shut-off PSI			158	150	141	132	124	115	106	98	89	81	72	63	55	46	37	20																			
10GS15	1 1/2	0											15.7	15.3	14.8	14.4	13.3	12.2	10.9	9.3	7.1	3.0															
		20											16.0	15.6	15.2	14.7	14.3	13.7	13.2	11.9	10.6	9.0	6.5														
		30											15.9	15.5	15.2	14.6	14.2	13.5	13.1	12.6	11.3	9.7	7.6	4.0													
		40											15.8	15.5	15.1	14.6	14.2	13.5	13.0	12.5	11.8	10.3	8.8	6.0													
		50											15.7	15.4	14.9	14.5	14.0	13.4	12.8	12.3	11.7	11.0	9.4	7.4	3.4												
		60											15.7	15.3	14.8	14.4	13.9	13.3	12.8	12.2	11.6	10.9	10.1	8.1	5.6												
Shut-off PSI						197	188	180	171	162	154	144	136	128	119	110	93	76	58	41	24	6															
10GS20	2	0														16.0	15.7	14.9	14.2	13.4	12.4	11.4	10.0	8.2	5.8												
		20														15.9	15.5	15.3	14.8	14.1	13.2	12.2	11.0	9.9	8.0	5.2											
		30														15.8	15.4	15.1	14.7	14.4	13.5	12.7	11.7	10.3	8.8	6.5											
		40														15.8	15.4	15.1	14.7	14.4	14.0	12.9	12.2	10.9	9.5	7.8	3.9										
		50														16.1	15.7	15.3	15.0	14.6	14.2	14.0	13.4	12.5	11.5	10.1	8.5	6.0									
		60														16.0	15.7	15.3	14.9	14.5	14.2	13.8	13.4	12.8	11.8	10.7	9.1	7.2	3.4								
Shut-off PSI									225	216	208	199	190	182	173	164	156	139	121	104	87	69	52	35	17												
10GS30	3	0																		15.8	15.2	14.6	14.0	13.3	12.6	11.9	11.0	10.0	9.0	7.5	5.8						
		20																		15.7	15.1	14.5	13.9	13.2	12.5	11.8	10.9	9.9	8.8	7.2	5.4						
		30																			15.9	15.4	14.8	14.2	13.4	12.8	12.0	11.3	10.3	9.3	8.1	6.2	3.8				
		40																			15.9	15.6	15.0	14.4	13.8	13.1	12.4	11.5	10.8	9.7	8.6	7.1	4.7				
		50																			16.0	15.8	15.6	15.3	14.7	14.1	13.3	12.7	11.9	11.0	10.2	9.1	7.8	6.0	3.0		
		60																			16.0	15.8	15.5	15.2	14.8	14.3	13.7	12.9	12.3	11.4	10.6	9.6	8.3	6.8	4.5		
Shut-off PSI																				284	275	267	258	249	232	215	197	180	163	145	128	111	94	76	59	42	24

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

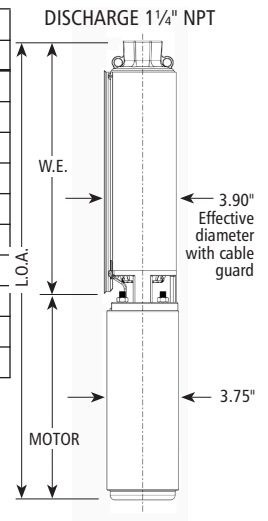
Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																										
			340	380	420	460	500	540	580	620	660	700	740	780	820	860	900	940	980	1020	1060								
10GS50R	5	0						15.6	15.1	14.6	14.2	13.7	13.3	12.8	12.3	11.7	11.0	10.2	9.2	7.9	6.3	4.3							
		20						16.0	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</														



DIMENSIONS AND WEIGHTS

Model	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.②	Motor	L.O.A.③	W.E.	Motor	Total
13GS05412,22,11,21	1/2	1	5	10.1	9.5	19.6	6	19	25
13GS07412,22	3/4	1	7	11.5	10.7	22.2	7	21	28
13GS10412,22	1	1	10	13.6	11.8	25.4	8	24	32
13GS15412	1 1/2 3 wire	1	12	15.0	13.6	28.6	9	28	37
13GS15422	1 1/2 2 wire	1	12	15.0	15.1	30.1	9	31	40
13GS15432,34	1 1/2	3	12	15.0	11.8	26.8	9	24	33
13GS20④	2	1	17	18.4	15.1	33.5	12	33	45
13GS20④	2	3	17	18.4	13.6	32.0	12	28	40
13GS30④	3	1	21	22.3	19.1	41.4	15	41	56
13GS30④	3	3	21	22.3	16.1	38.4	15	35	50



② W.E. = water end or pump without motor.
 ③ L.O.A. = length of assembly – complete pump – water end and motor.
 ④ See Price Book for Complete Pump Order Numbers, 2 HP and larger units are not preassembled.

Model 13GS

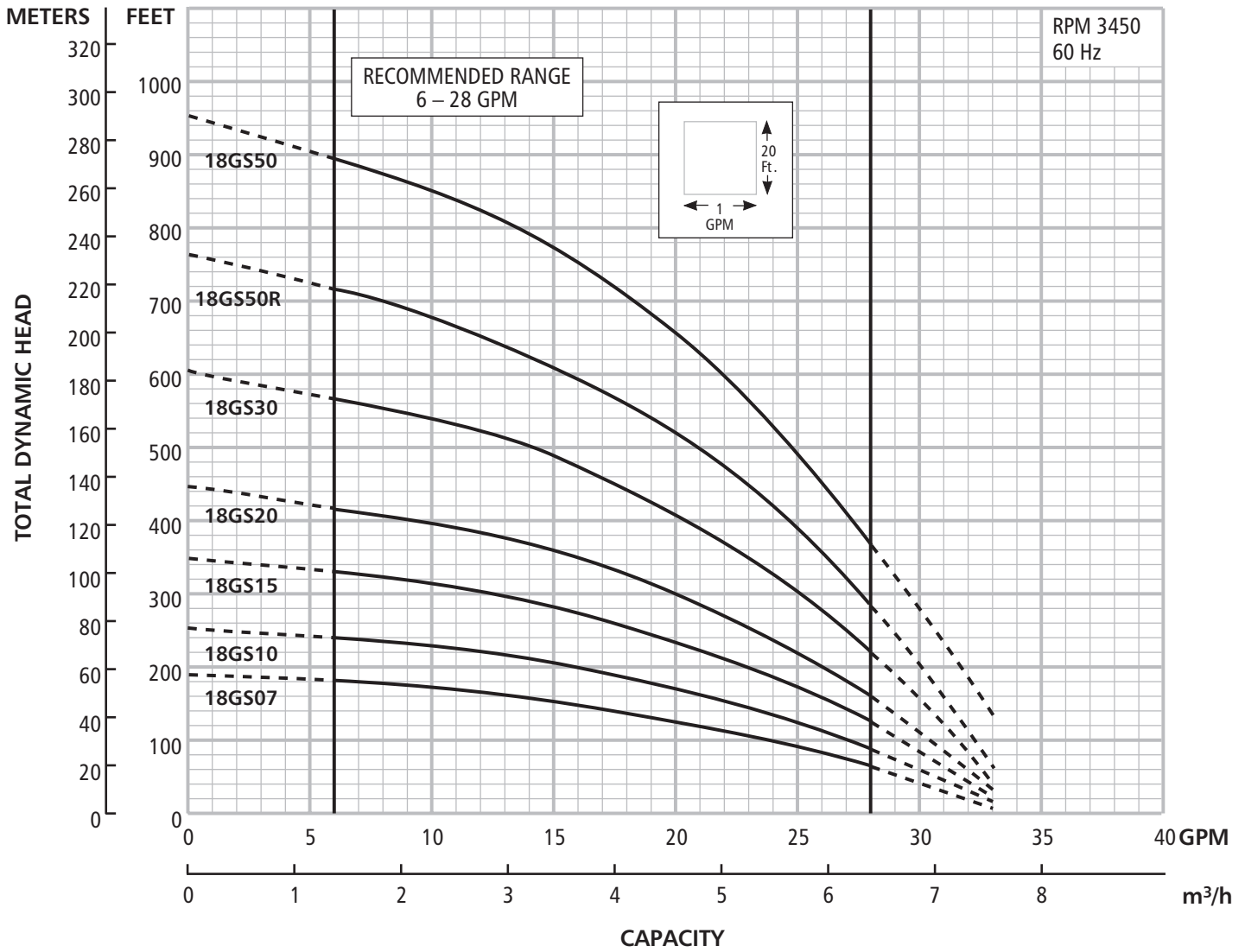


SELECTION CHART

Horsepower Range 1/2 – 3, Recommended Range 4 – 20 GPM, 60 Hz, 3450 RPM

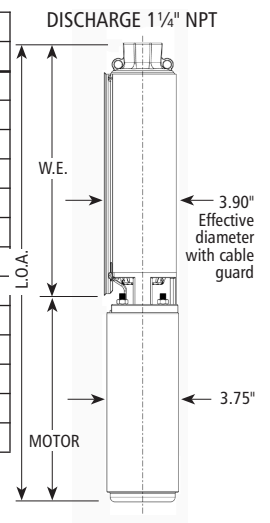
Pump Model	HP	PSI	Depth to Water in Feet/Ratings in GPM (Gallons per Minute)																												
			20	40	60	80	100	120	140	160	180	200	220	240	260	280	300	340	380	420	460	500	540	580	620	660	700	740	780	820	
13GS05	1/2	0			19.0	17.5	15.3	12.5	8.2																						
		20	18.8	16.5	14.5	12.0	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	3/4	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	1 1/2	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							

Model 18GS



DIMENSIONS AND WEIGHTS

Model	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.②	Motor	L.O.A.③	W.E.	Motor	Total
18GS07412,22	¾	1	6	11.8	10.7	22.5	7	21	28
18GS10412,22	1	1	8	13.5	11.8	25.3	8	24	32
18GS15412	1½ 3 wire	1	11	16.1	13.6	29.7	10	28	38
18GS15422	1½ 2 wire	1	11	16.1	15.1	31.2	10	31	41
18GS15432,34	1½	3	11	16.1	11.8	27.9	10	24	34
18GS20④	2	1	14	18.6	15.1	33.7	11	33	44
18GS20④	2	3	14	18.6	13.6	32.2	11	28	39
18GS30④	3	1	19	24.1	19.1	43.2	15	41	56
18GS30④	3	3	19	24.1	16.1	40.2	15	35	50
18GS50R ①④	5	1	24	28.3	28.2	56.5	17	70	87
18GS50R ①④	5	3	24	28.3	22.2	50.5	17	55	72
18GS50④	5	1	30	34.4	28.2	62.6	21	70	91
18GS50④	5	3	30	34.4	22.2	56.6	21	55	76



- ① R = Reduced stage water end.
- ② W.E. = water end or pump without motor.
- ③ L.O.A. = length of assembly – complete pump – water end and motor.
- ④ See Price Book for Complete Pump Order Numbers, 2 HP and larger units are not preassembled.

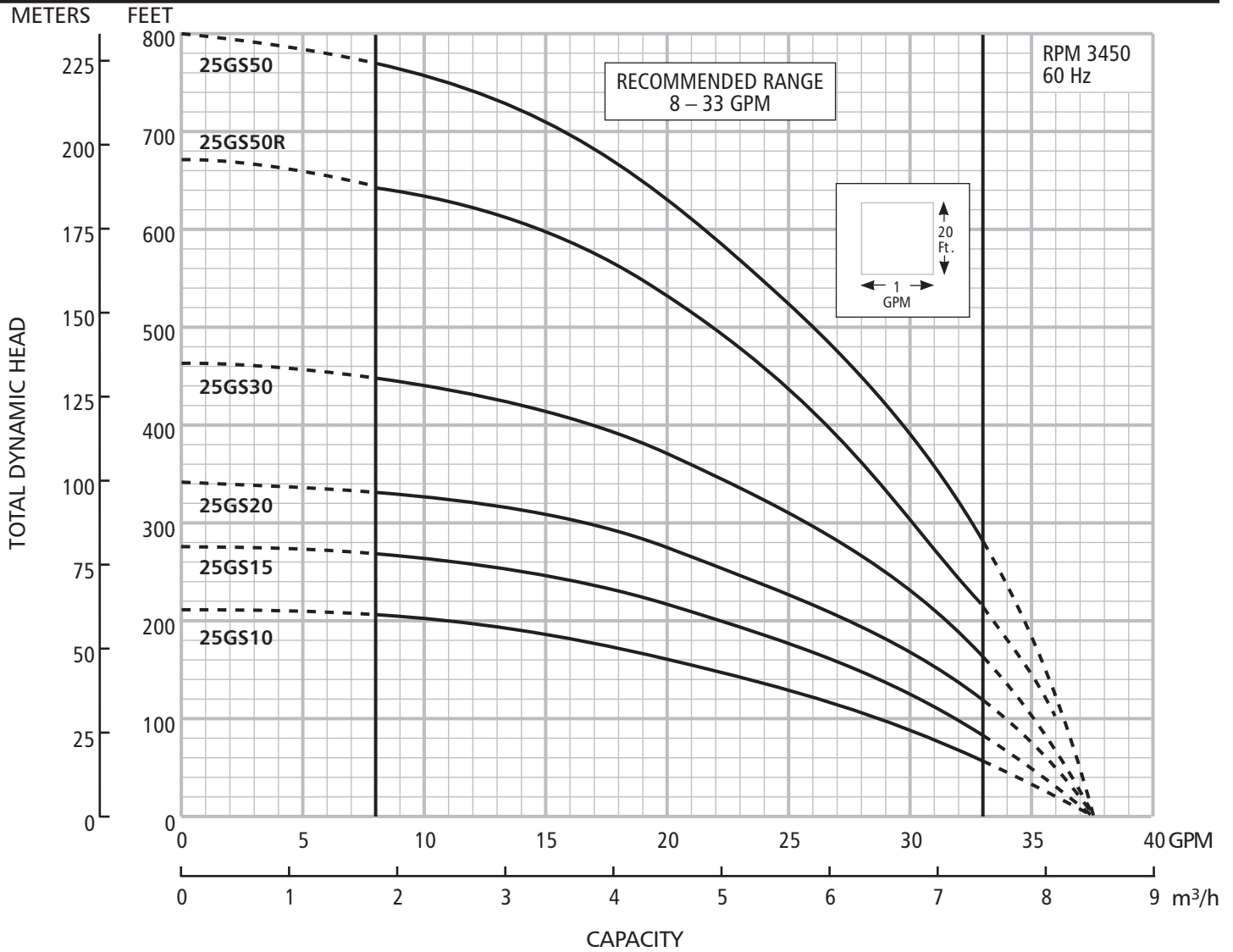
Model 18GS



SELECTION CHART

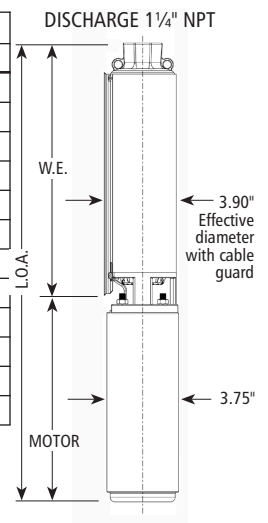
Horsepower Range $\frac{3}{4}$ – 5, Recommended Range 6 – 28 GPM, 60 Hz, 3450 RPM

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	$\frac{3}{4}$	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	$1\frac{1}{2}$	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	26.3	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



DIMENSIONS AND WEIGHTS

Model	HP	Phase	Stages	Length (inches)			Weight (lbs.)		
				W.E.②	Motor	L.O.A.③	W.E.	Motor	Total
25GS10412,422	1	1	7	13.4	11.8	25.2	8	24	32
25GS15412	1½ 3 wire	1	9	15.3	13.6	28.9	9	28	37
25GS15422	1½ 2 wire	1	9	15.3	15.1	30.4	9	31	40
25GS15432,34	1½	3	9	15.3	11.8	27.1	9	24	33
25GS20④	2	1	11	17.2	15.1	32.3	10	33	43
25GS20④	2	3	11	17.2	13.6	30.8	10	28	38
25GS30④	3	1	15	20.9	19.1	40.0	14	41	55
25GS30④	3	3	15	20.9	16.1	37.0	14	35	49
25GS50R ①④	5	1	22	28.7	28.2	56.9	17	70	87
25GS50R ①④	5	3	22	28.7	22.2	50.9	17	55	72
25GS50④	5	1	26	33.4	28.2	61.6	21	70	91
25GS50④	5	3	26	33.4	22.2	55.6	21	55	76



- ① R = Reduced stage water end.
- ② W.E. = water end or pump without motor.
- ③ L.O.A. = length of assembly – complete pump – water end and motor.
- ④ See Price Book for Complete Pump Order Numbers, 2 HP and larger units are not preassembled.

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	32.5	32.0	31.5	30.9	30.2	29.5	28.7	27.8	25.9	23.9	21.9	19.9	17.4	13.3							
		40							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								
		50					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										
		60				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										
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		

Notes



Notes



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