



REDJACKET SERIES

Grizzly

60 Hz, 4" Submersible Pumps



**DRAINAGE
SOLUTIONS, INC**

(317) 346-4110

www.drainagesolutionsinc.com



GOULDS
WATER TECHNOLOGY

a **xylem** brand

FEATURES

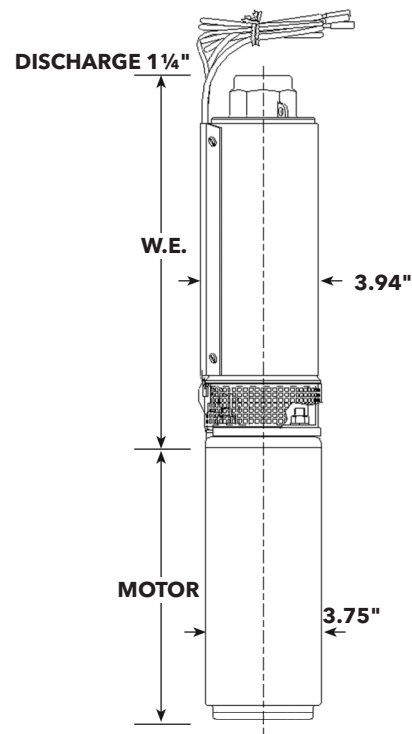
- Nylon impact and corrosion resistant discharge head and motor adapter.
- Pump shell constructed with a press and roll process for better performance.
- 303 stainless steel pump parts for maximum corrosion resistance.
- Powered by CentriPro submersible motors. Available in 2-wire and 3-wire single-phase and three-phase models.
- Noryl® Impeller-diffuser assemblies are mounted on a stainless steel hex shaft for positive drive.
- Noryl®-stage components (impellers/diffusers) are permanently bonded by a reliable, ultrasonic welding process.

GRIZZLY WATER END LENGTHS AND WEIGHTS

Order Number	Required HP	Stages	Length (in.)	Weight (lbs.)
6G17	½	17	22.5	5
6G19	¾	19	25.2	7
6G24	1	24	29.7	8
8G12	½	12	17.6	4
8G16	¾	16	21.2	5
8G21	1	21	26.3	7
8G25	1½	25	29.9	12
12G8	½	8	14.2	4
12G9	½	9	15.1	5
12G12	¾	12	17.8	5
12G14	1	14	19.7	6
12G18	1½	18	24.0	7
20G5	½	5	11.4	3
20G6	¾	6	12.3	3
20G8	1	8	14.2	4
20G11	1½	11	16.9	5
25G7	1	7	14.9	4
25G10	1½	10	18.2	5

NOTE: To order a complete pump and motor assembly combine the motor order number followed by the pump water end order number.

EXAMPLE: a 50C3116G17 = a ½ HP, 230V, 3-wire CentriPro motor on a 6G17 water end.



Water Pumps from Red Jacket are the natural choice of well drillers, pump installers and home owners alike. Built on over a century of engineering excellence, the name Red Jacket has become synonymous with quality for generations of customers who enjoy well water. The Grizzly submersible pump is no exception. Rugged and reliable, the Grizzly is designed to exceed performance requirements in the most demanding applications. Whether your needs are home, farm or industrial, choose the Red Jacket pump generations have come to count on.

CENTRIPRO 4" SINGLE-PHASE MOTORS

Order No.	Type	HP	Volts	Length in. (mm)	Weight lb. (kg.)
M05421	2-wire PSC	½	115	11.0 (279)	20 (9.1)
M05422		½	230	11.0 (279)	20 (9.1)
M07422		¾		12.4 (314)	23 (10.4)
M10422		1		13.3 (337)	25 (11.3)
M15422		1.5		14.9 (378)	29 (13.2)
M05411	3-wire	½	115	10.0 (253)	19 (8.6)
M05412		½	230	9.7 (246)	18 (8.2)
M07412		¾		10.8 (275)	22 (10)
M10412		1		11.7 (297)	23 (10.4)
M15412		1.5		13.6 (345)	28 (12.7)
M20412		2		15.1 (383)	31 (14.1)
M30412		3		18.3 (466)	40 (18.1)
M50412		5		27.7 (703)	70 (31.8)

CENTRIPRO 4" THREE-PHASE MOTORS

Order No. by Voltage			HP	Length in. (mm)	Weight lb. (kg.)
200V	230V	460V			
M05430	M05432	M05434	½	10.8 (275)	22 (9.7)
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)

SPECIFICATIONS

Model	Flow Range GPM	Horsepower Range	Best Efficiency GPM	Discharge Connection	Minimum Well Size	Rotation ^①
6G	1.2 - 8.5	½ - 1	5	1¼"	4 "	CCW
8G	1.5 - 10	½ - 1½	7	1¼"	4 "	CCW
12G	3 - 13	½ - 1½	10	1¼"	4 "	CCW
20G	6 - 25	½ - 1½	18	1¼"	4 "	CCW
25G	8 - 31	1 - 1½	22	1¼"	4 "	CCW

^① Rotation is counterclockwise when viewed from pump discharge end

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.
- CSA certified to CSA and UL standards.
- NEMA mounting dimensions.
- Control box is required with 3 wire single phase units.
- Three phase motors require a magnetic starter with Class 10 overload protection.

AGENCY LISTINGS



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



Pump/Water End - Drinking Water System Components - Certified to NSF/ANSI 61, Annex G



CentriPro 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

½ HP GRIZZLY SUBMERSIBLE PUMPS

Motor		½ HP					½ HP					½ HP					½ HP					½ HP				
Pump End		6G17					8G12					12G8					12G9					20G5				
Discharge Pressure		20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#
Depth of Water in Feet	0																									
	20			7.8	7.4	7.0		10.1	9.6	9.0	8.6	13.9	13.2	12.4	11.5	10.2	14.1	13.7	13.1	12.1	10.9	21.6	19.5	16.8	13.6	7.4
	40		7.9	7.5	7.0	6.6	10.1	9.7	9.1	8.6	8.2	13.3	12.5	11.6	10.4	8.8	13.8	13.2	12.3	11.1	9.8	19.8	17.2	14.1	8.7	
	60		7.5	7.1	6.7	6.2	9.8	9.2	8.7	8.3	7.7	12.6	11.7	10.6	9.0	7.3	13.3	12.4	11.3	10.0	8.7	17.5	14.6	9.8		
	80		7.2	6.7	6.3	5.8	9.2	8.7	8.3	7.8	7.1	11.9	10.7	9.2	7.6	5.5	12.5	11.4	10.1	8.9	7.5	15.0	10.7			
	100	7.2	6.8	6.3	5.7	5.4	8.8	8.4	7.9	7.2	6.3	10.9	9.4	7.8	5.9		11.6	10.3	9.0	7.7	5.8	11.5				
	120	6.8	6.4	6.0	5.5	5.0	8.4	8.0	7.3	6.4	5.3	9.6	8.0	6.2			10.5	9.2	7.9	6.1	2.7					
	140	6.5	6.0	5.5	5.0	4.5	8.1	7.4	6.5	5.6	4.7	8.2	6.5	3.1			9.4	8.1	6.4	3.4						
	160	6.1	5.6	5.1	4.6	4.0	7.5	6.7	5.7	4.8	3.6	6.8	3.8				8.2	6.7	3.9							
	180	5.7	5.2	4.7	4.1	3.4	6.8	5.9	4.9	3.8		4.4					6.9	4.4								
	200	5.3	4.7	4.2	3.5	2.8	6.0	5.1	4.0	1.8							4.9									
	220	4.8	4.2	3.6	2.9	2.0	5.2	4.2	2.3																	
	240	4.3	3.7	3.0	2.1	1.2	4.3	2.6																		
	260	3.8	3.1	2.3	1.3		3.0																			
	280	3.2	2.4	1.5																						
	300	2.5	1.0																							
	320	1.7																								
	340																									
	360																									
	380																									
	400																									
	420																									
	440																									
	460																									
	480																									
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	580																									
	600																									
	620																									
	640																									
	660																									
	680																									
	700																									
	720																									
	740																									
Shutoff PSI		175					143					104					115					71				
Best Efficiency		5 GPM					7 GPM					10 GPM					10 GPM					18 GPM				

Residential Water Systems

¾ HP GRIZZLY SUBMERSIBLE PUMPS

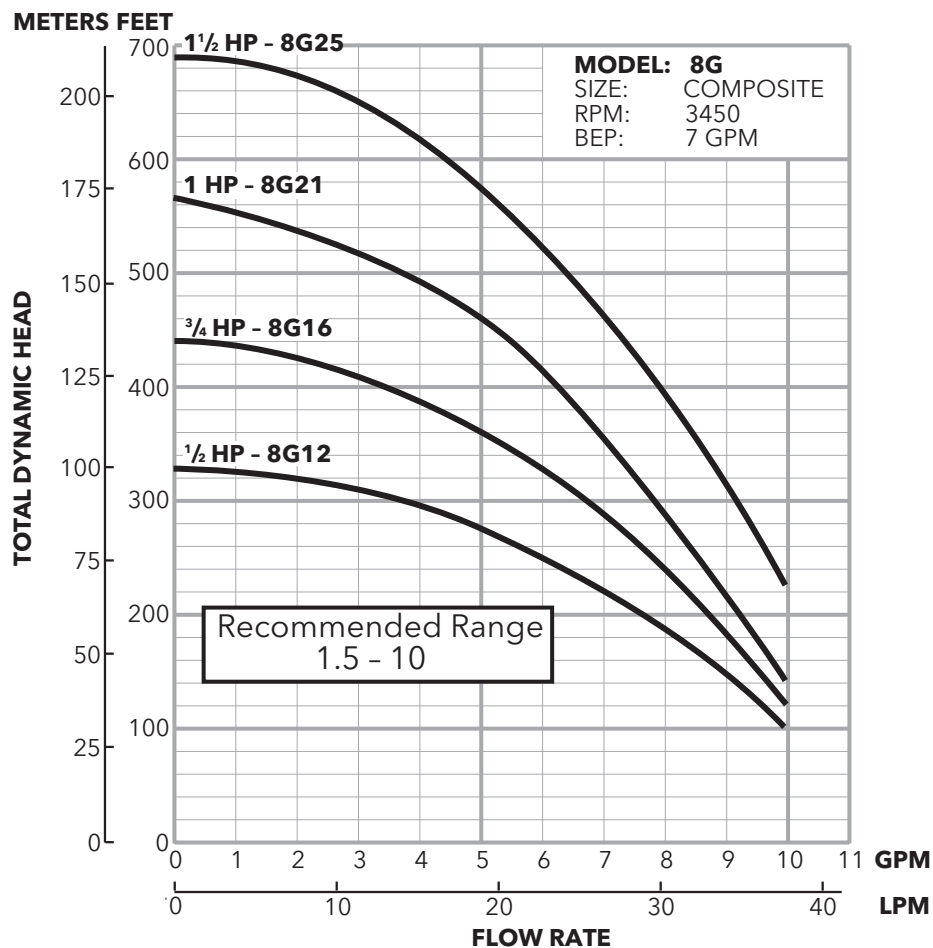
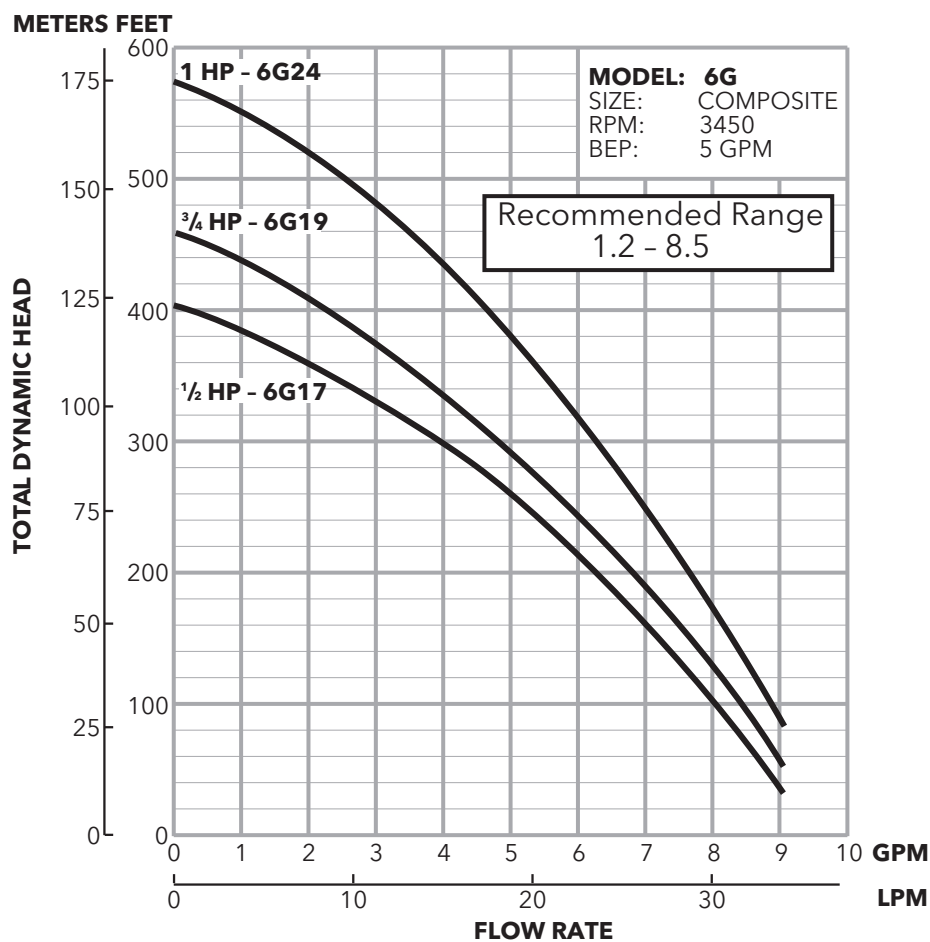
Motor		¾ HP					¾ HP					¾ HP					¾ HP									
Pump End		6G19					8G16					12G12					20G6									
Discharge Pressure		20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#
Depth of Water in Feet	0																									
	20				7.4	9.9	9.6	9.4	9.2	9.1		14.0	13.7	13.4	12.9	23.2	21.6	19.4	17.1	14.6						
	40				7.5	7.1	9.6	9.4	9.3	9.1	8.9	14.0	13.8	13.4	13.0	12.3	21.8	19.7	17.5	15.0	11.1					
	60			7.5	7.2	6.8	9.4	9.3	9.1	8.9	8.7	13.8	13.5	13.0	12.4	11.6	20.0	17.8	15.3	11.8	4.1					
	80			7.2	6.8	6.4	9.3	9.1	9.0	8.7	8.4	13.5	13.1	12.5	11.7	10.8	18.1	15.7	12.4	5.5						
	100		7.3	6.9	6.5	6.0	9.2	9.0	8.8	8.4	8.0	13.2	12.6	11.8	11.0	10.0	16.0	13.0	6.8							
	120	7.3	6.9	6.5	6.1	5.7	9.0	8.8	8.5	8.1	7.6	12.7	11.9	11.1	10.2	9.3	13.5	8.0								
	140	7.0	6.6	6.2	5.7	5.3	8.8	8.5	8.1	7.7	7.1	12.0	11.2	10.3	9.4	8.5	9.0									
	160	6.6	6.2	5.8	5.3	4.9	8.6	8.2	7.7	7.2	6.6	11.3	10.4	9.5	8.6	7.6										
	180	6.3	5.8	5.4	4.9	4.4	8.3	7.8	7.3	6.7	6.1	10.5	9.6	8.7	7.8	6.5										
	200	5.9	5.5	5.0	4.5	4.0	7.9	7.3	6.8	6.2	5.5	9.7	8.8	7.9	6.7	4.6										
	220	5.5	5.1	4.6	4.1	3.5	7.4	6.8	6.2	5.6	5.0	9.0	8.0	6.9	5.0											
	240	5.1	4.6	4.1	3.6	2.9	6.9	6.3	5.7	5.1	4.3	8.2	7.1	5.3												
	260	4.7	4.2	3.7	3.0	2.3	6.4	5.8	5.1	4.4	3.3	7.2	5.6													
	280	4.3	3.7	3.1	2.4	1.6	5.9	5.2	4.5	3.5	1.9	5.9	3.2													
	300	3.8	3.2	2.5	1.8		5.3	4.6	3.7	2.2		3.6														
	320	3.3	2.6	1.9			4.7	3.8	2.4																	
	340	2.7	2.0				4.0	2.6																		
	360	2.1	1.2				2.9																			
	380	1.3																								
	400																									
	420																									
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	640																									
	660																									
	680																									
	700																									
	720																									
	740																									
Shutoff PSI		198					188					156					87									
Best Efficiency		5 GPM					7 GPM					10 GPM					18 GPM									

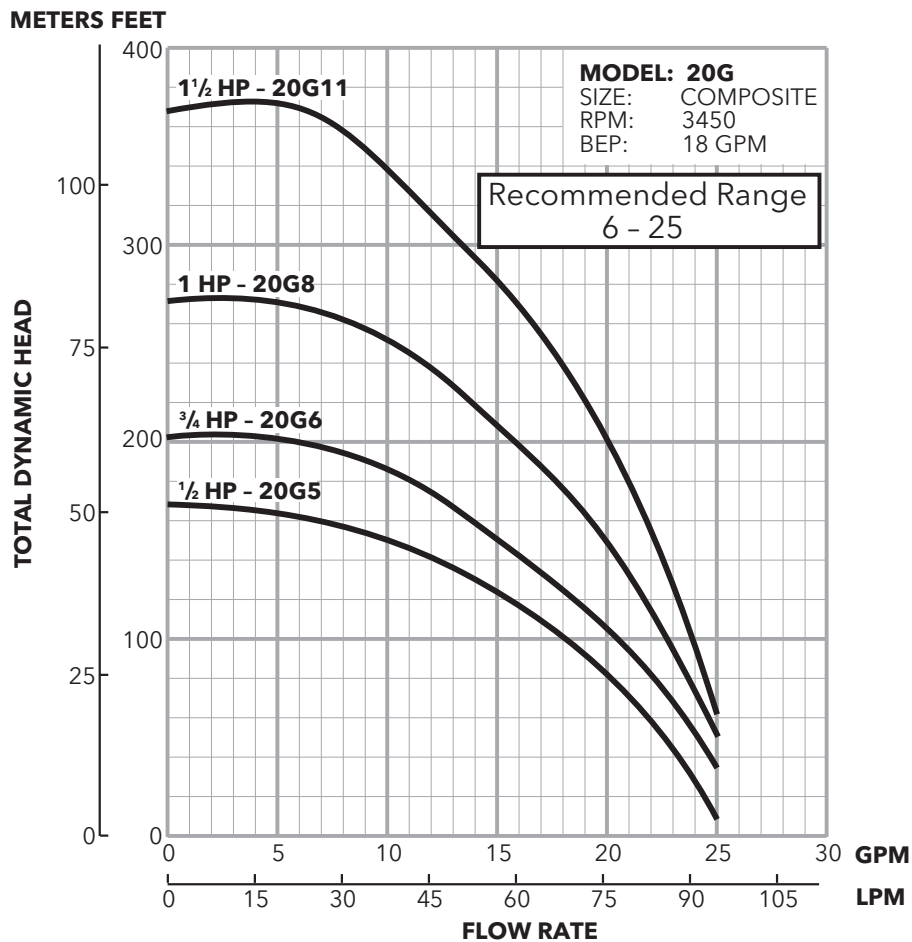
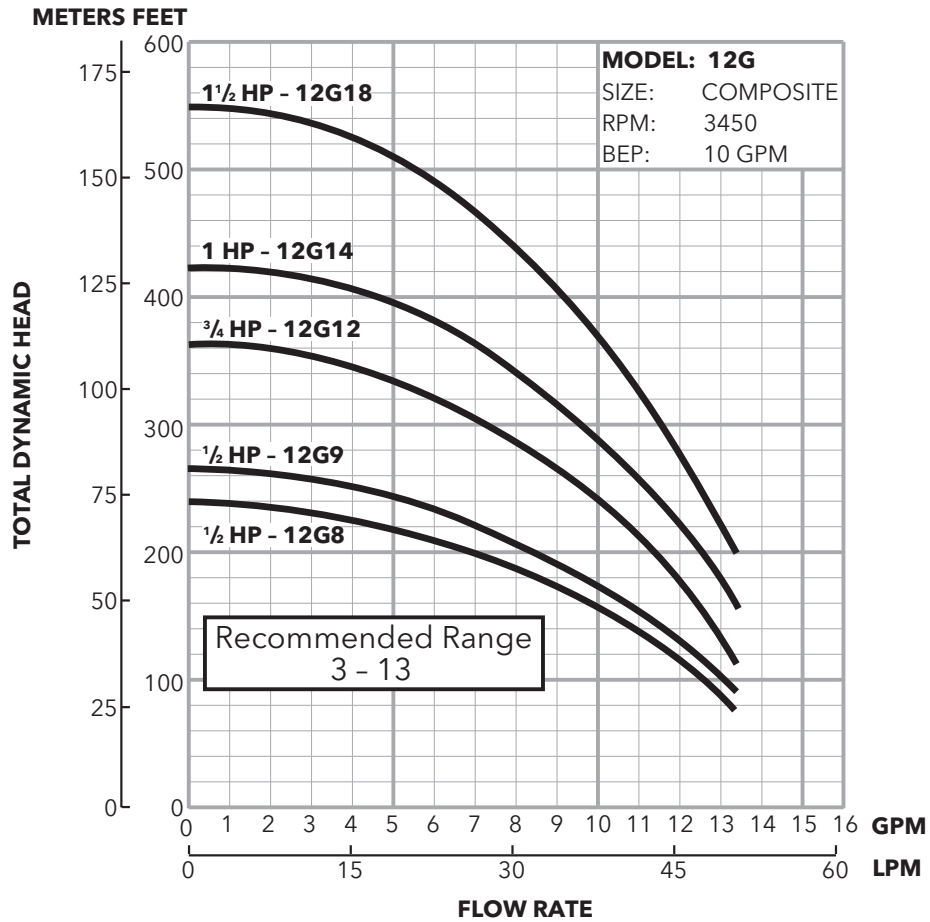
1 HP GRIZZLY SUBMERSIBLE PUMPS

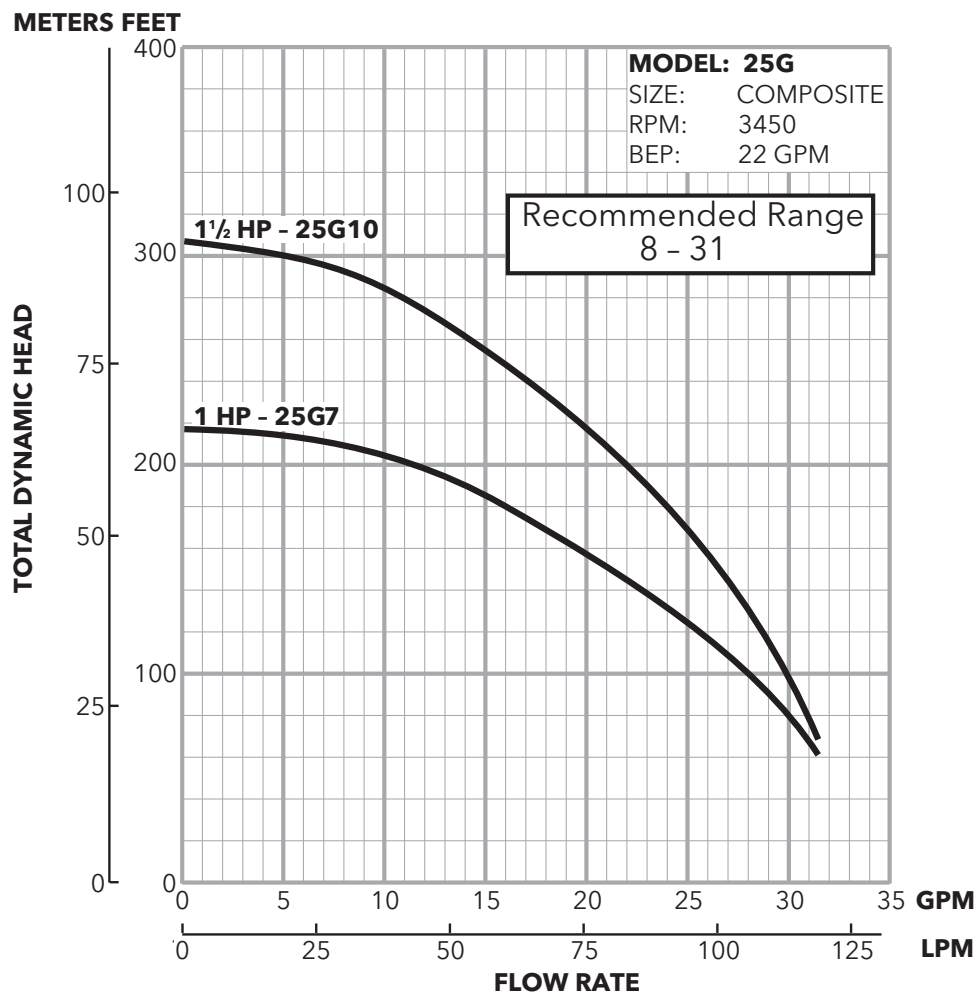
Motor		1 HP					1 HP					1 HP					1 HP					1 HP				
Pump End		6G24					8G21					12G14					20G8					25G7				
Discharge Pressure		20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#
Depth of Water in Feet	0																									
	20									9.9	9.6				14.0	13.7	24.5	23.5	22.1	20.6	19.2	30.5	29.4	27.5	23.8	19.6
	40								9.9	9.6	9.4			14.0	13.7	13.3	23.6	22.3	20.8	19.4	18.0	29.6	27.9	24.4	20.1	16.7
	60							10.0	9.7	9.4	9.2			13.8	13.4	12.8	22.5	22.0	19.5	18.2	16.6	28.2	25.0	20.7	17.1	13.1
	80					7.4	10.0	9.7	9.4	9.2	9.0		13.8	13.4	12.9	12.3	21.2	19.7	18.4	16.8	14.5	25.5	21.2	17.5	13.9	
	100				7.4	7.1	9.8	9.5	9.2	9.0	8.8	13.9	13.5	13.0	12.4	11.7	19.9	18.6	17.1	14.9	11.4	21.8	17.9	14.6		
	120			7.4	7.2	6.9	9.5	9.3	9.0	8.8	8.5	13.5	13.1	12.5	11.8	11.0	18.7	17.3	13.2	11.9	7.2	18.4	15.1	6.9		
	140		7.5	7.2	6.9	6.6	9.3	9.0	8.8	8.6	8.3	13.1	12.6	11.9	11.1	10.3	17.5	15.6	12.5	7.9		15.6	8.8			
	160	7.5	7.2	6.9	6.6	6.3	9.1	8.8	8.6	8.3	8.0	12.6	12.0	11.2	10.4	9.6	15.9	13.0	8.6			10.4				
	180	7.3	7.0	6.7	6.4	6.0	8.9	8.6	8.4	8.1	7.7	12.1	11.3	10.5	9.7	8.9	13.4	9.3								
	200	7.0	6.7	6.4	6.1	5.7	8.7	8.4	8.1	7.7	7.3	11.4	10.6	9.8	9.0	8.2	9.9									
	220	6.8	6.5	6.1	5.8	5.4	8.5	8.1	7.8	7.3	6.9	10.7	9.9	9.1	8.3	7.3	5.4									
	240	6.5	6.2	5.8	5.4	5.0	8.2	7.8	7.4	6.9	6.4	10.0	9.2	8.4	7.5	6.1										
	260	6.2	5.9	5.5	5.1	4.7	7.9	7.5	7.0	6.5	6.0	9.3	8.5	7.6	6.3	4.3										
	280	5.9	5.5	5.1	4.7	4.3	7.5	7.1	6.6	6.1	5.6	8.7	7.8	6.5	4.6											
	300	5.6	5.2	4.8	4.3	3.9	7.1	6.6	6.1	5.5	5.2	7.9	6.7	4.9												
	320	5.3	4.8	4.4	3.9	3.5	6.7	6.2	5.7	5.2	4.8	6.9	5.2													
	340	4.9	4.5	4.0	3.5	3.0	6.3	5.8	5.3	4.8	4.3	5.5	2.9													
	360	4.5	4.1	3.6	3.1	2.5	5.8	5.4	4.9	4.4	3.7	3.3														
	380	4.1	3.7	3.1	2.6	2.0	5.4	4.9	4.5	3.8	3.0															
	400	3.7	3.2	2.7	2.1	1.3	5.0	4.5	3.9	3.1	1.7															
	420	3.3	2.7	2.1	1.4		4.6	4.0	3.2	2.0																
	440	2.8	2.2	1.5			4.1	3.4	2.2																	
	460	2.3	1.6				3.5	2.4																		
	480	1.7					2.6																			
	500																									
	520																									
	540																									
	560																									
	580																									
	600																									
	620																									
	640																									
	660																									
	680																									
	700																									
	720																									
	740																									
Shutoff PSI		248					242					182					117					95				
Best Efficiency		5 GPM					7 GPM					10 GPM					18 GPM					22 GPM				

1 1/2 HP GRIZZLY SUBMERSIBLE PUMPS

Motor		1 1/2 HP					1 1/2 HP					1 1/2 HP					1 1/2 HP									
Pump End		8G25					12G18					20G11					25G10									
Discharge Pressure		20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#
Depth of Water in Feet	0																									
	20										13.9	24.5	23.9	23.5	22.8	21.8		30.1	29.3	28.2	26.3					
	40									13.9	13.7	24.0	23.6	22.9	21.9	20.8	30.2	29.5	28.4	26.6	24.0					
	60								14.0	13.8	13.5	23.6	23.0	22.1	20.9	19.8	29.6	28.6	26.9	24.4	21.5					
	80				10.0		14.0	13.8	13.6	13.1	23.1	22.2	21.1	19.9	18.8	28.7	27.1	24.8	21.9	19.0						
	100				10.0	10.1	14.0	13.8	13.6	13.3	13.0	22.3	21.3	20.1	19.0	17.9	27.4	28.1	22.3	19.4	16.9					
	120				10.1	9.8	13.8	13.6	13.4	13.1	12.7	21.4	20.2	19.1	18.1	17.0	25.5	22.7	19.8	17.2	14.7					
	140			10.1	9.9	9.4	13.7	13.4	13.1	12.7	12.3	20.4	19.3	18.2	17.1	15.7	23.1	20.2	17.5	15.1	11.6					
	160		10.1	9.9	9.5	9.0	13.4	13.2	12.8	12.3	11.8	19.4	18.4	17.3	15.9	14.0	20.6	17.8	15.4	12.2						
	180	10.1	10.0	9.6	9.1	8.7	13.2	12.8	12.4	11.9	11.3	18.5	17.4	16.1	14.3	11.6	18.2	15.8	12.8	6.4						
	200	10.0	9.6	9.2	8.7	8.4	12.9	12.5	12.0	11.4	10.8	17.6	16.3	14.6	12.0	8.5	16.1	18.3	7.6							
	220	9.7	9.2	8.8	8.5	8.2	10.5	12.0	11.5	10.9	10.2	16.5	14.9	12.4	9.0	4.7	13.8	8.7								
	240	9.3	8.8	8.5	8.2	8.0	12.1	10.5	10.9	10.3	9.7	15.1	12.8	9.5	5.3		9.7									
	260	8.9	8.5	8.3	8.0	7.8	11.6	11.0	10.4	9.8	9.2	13.2	10.0	5.9												
	280	8.6	8.3	8.1	7.9	7.6	11.1	10.5	9.9	9.2	8.6	10.5	6.5													
	300	8.3	8.1	7.9	7.6	7.3	10.6	9.9	9.3	8.7	8.1	7.1	2.6													
	320	8.1	7.9	7.7	7.4	7.0	10.0	9.4	8.8	8.2	7.5	3.2														
	340	7.9	7.7	7.4	7.1	6.6	9.5	8.9	8.3	7.6	6.7															
	360	7.7	7.5	7.1	6.7	6.2	9.0	8.3	7.7	6.8	5.6															
	380	7.5	7.2	6.8	6.3	5.8	8.4	7.8	7.0	5.8	4.0															
	400	7.2	6.8	6.4	5.9	5.4	7.9	7.1	6.0	4.3																
	420	6.9	6.4	6.0	5.5	5.1	7.2	6.1	4.5																	
	440	6.5	6.0	5.6	5.1	4.7	6.3	4.8																		
	460	6.1	5.6	5.2	4.8	4.4	5.0																			
	480	5.7	5.2	4.8	4.5	4.0																				
	500	5.3	4.9	4.5	4.1	3.3																				
	520	4.9	4.6	4.1	3.5	2.2																				
	540	4.6	4.2	3.6	2.4																					
	560	4.3	3.7	2.6																						
	580	3.8	2.8																							
	600	3.0																								
	620																									
	640																									
	660																									
	680																									
	700																									
	720																									
	740																									
Shutoff PSI		294					236					158					133									
Best Efficiency		7 GPM					10 GPM					18 GPM					22 GPM									







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- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

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