



ITT

BRJGRIZZ

Residential Water Systems

Red Jacket Water Products

60 Hz, 4" Submersible Pumps

GRIZZLY



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.



Drinking Water
NSF/ANSI 61-G



Tested to UL 778 and CSA 22.2 108 Standards
By Canadian Standards Association
File #LR38549

Red Jacket Water Products is a brand of ITT Corporation.

www.redjacketwaterproducts.com

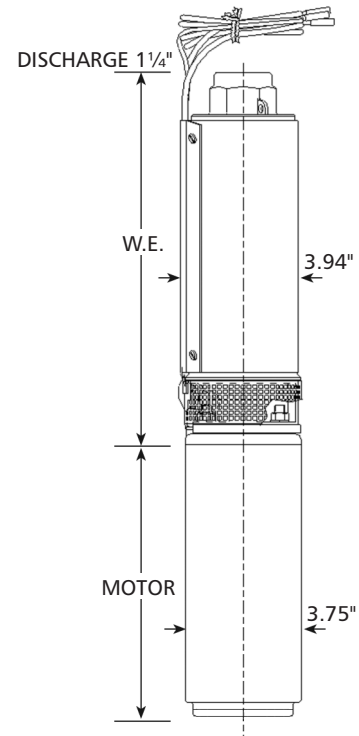
Engineered for life

Grizzly Water End Lengths and Weights

Order Number	Required HP	Stages	Length (in.)	Weight (lbs.)
6G17	1/2	17	22.5	5
6G19	3/4	19	25.2	7
6G24	1	24	29.7	8
8G12	1/2	12	17.6	4
8G16	3/4	16	21.2	5
8G21	1	21	26.3	7
8G25	1 1/2	25	29.9	12
12G8	1/2	8	14.2	4
12G9	1/2	9	15.1	5
12G12	3/4	12	17.8	5
12G14	1	14	19.7	6
12G18	1 1/2	18	24.0	7
20G5	1/2	5	11.4	3
20G6	3/4	6	12.3	3
20G8	1	8	14.2	4
20G11	1 1/2	11	16.9	5
25G7	1	7	14.9	4
25G10	1 1/2	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 1/2 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

Red Jacket No.	Type	HP	Volts	Length in. (mm)	Weight lb. (kg.)
50C201	2-wire PSC	.5	115	11.0 (279)	19.2 (8.7)
50C211		.5	230	11.0 (279)	19.2 (8.7)
75C211		.75	230	12.4 (314)	22.7 (10.3)
100C211		1	230	13.3 (337)	24.5 (11.1)
150C211		1.5	230	14.9 (378)	28.9 (13.1)
50C301	3-wire	.5	115	10.0 (253)	18.9 (8.6)
50C311		.5	230	9.7 (246)	18.1 (8.2)
75C311		.75	230	10.8 (275)	21.4 (9.7)
100C311		1	230	11.7 (297)	23.1 (10.5)
150C311		1.5	230	13.6 (345)	27.4 (12.4)

CENTRIPRO 4" THREE-PHASE MOTORS

Order No.	HP	KW	Volts	Length In. (mm)	Weight Lb. (Kg)
50C313	0.5	0.37	230	10.0 (254)	19 (8.6)
75C313	0.75	0.55		10.8 (275)	22 (9.7)
100C313	1	0.75		11.7 (297)	23 (10.4)
150C313	1.5	1.1		11.7 (297)	23 (10.4)
50C353	0.5	0.37	460	10.0 (254)	19 (8.6)
75C353	0.75	0.55		10.8 (275)	22 (9.7)
100C353	1	0.75		11.7 (297)	23 (10.4)
150C353	1.5	1.1		11.7 (297)	23 (10.4)
50C323	0.5	0.37	200	10.0 (254)	19 (8.6)
75C323	0.75	0.55		10.8 (275)	22 (9.7)
100C323	1	0.75		11.7 (297)	23 (10.4)
150C323	1.5	1.1		11.7 (297)	23 (10.4)
150C363	1.5	1.1	575	11.7 (297)	23 (10.4)

SPECIFICATIONS

Model	Flow Range GPM	Horsepower Range	Best Eff. GPM	Discharge Connection	Min. 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.

Red Jacket Water Products

GRIZZLY

1/2 HP Grizzly Submersible Pumps

Motor	1/2 HP					1/2 HP					1/2 HP					1/2 HP					1/2 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#
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																									
500																									
520																									
540																									
560																									
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				

Red Jacket Water Products

GRIZZLY

3/4 HP Grizzly Submersible Pumps

Motor	3/4 HP					3/4 HP					3/4 HP					3/4 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#
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																									
440																									
460																									
480																									
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600																									
620																									
640																									
660																									
680																									
700																									
720																									
740																									
Shutoff PSI	198					188					156					87									
Best Efficiency	5 GPM					7 GPM					10 GPM					18 GPM									

Red Jacket Water Products

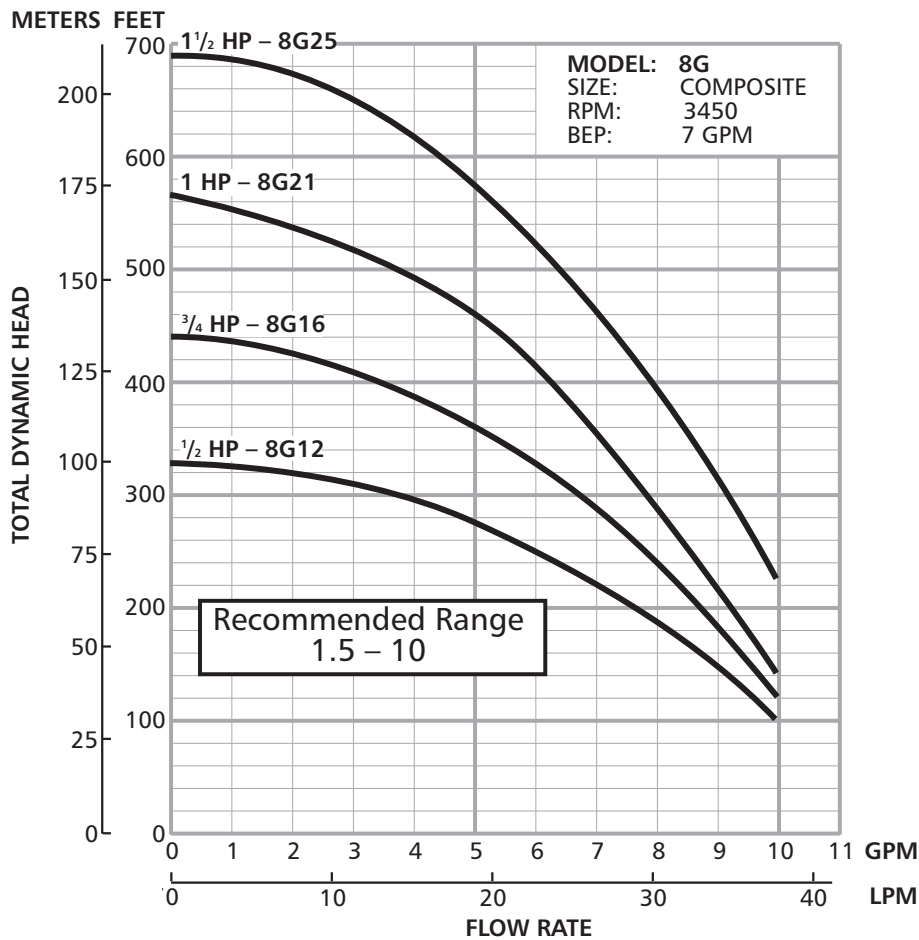
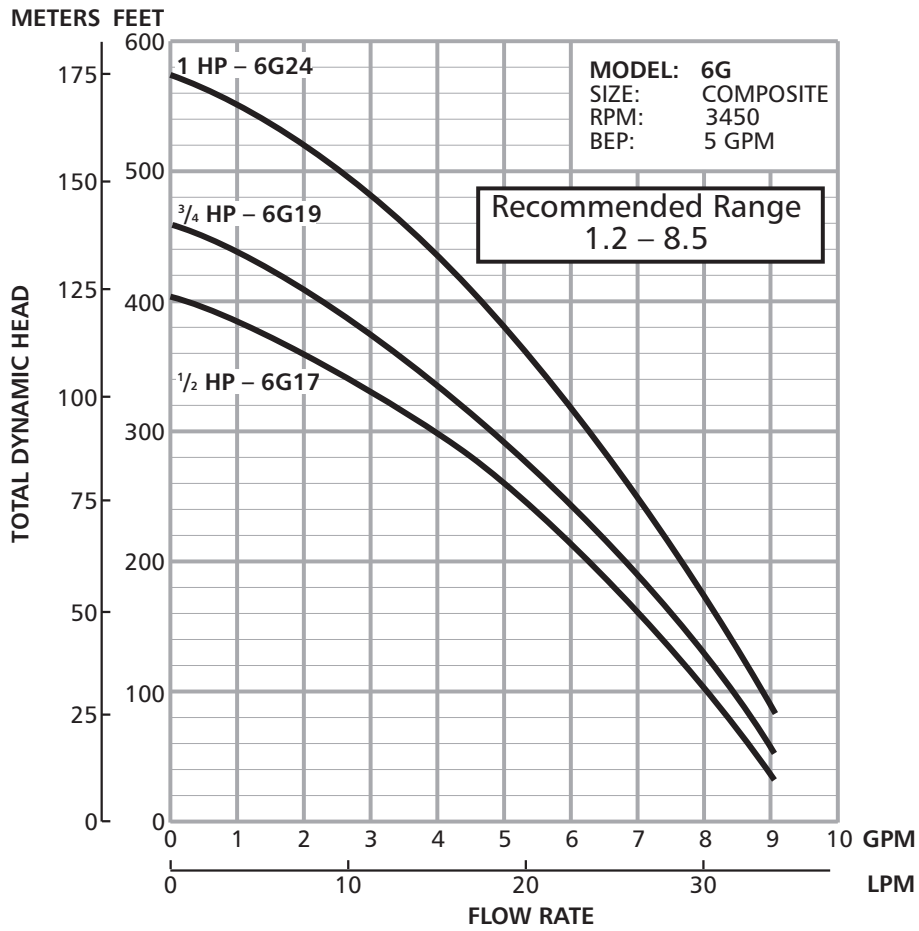
GRIZZLY

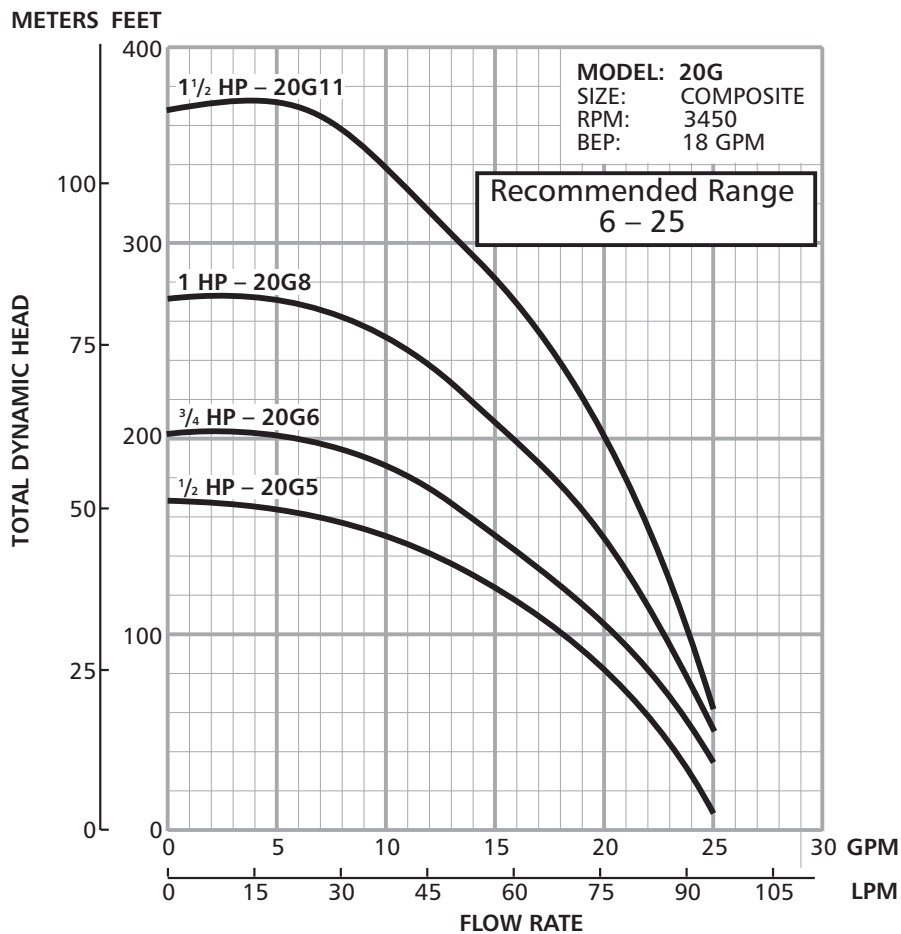
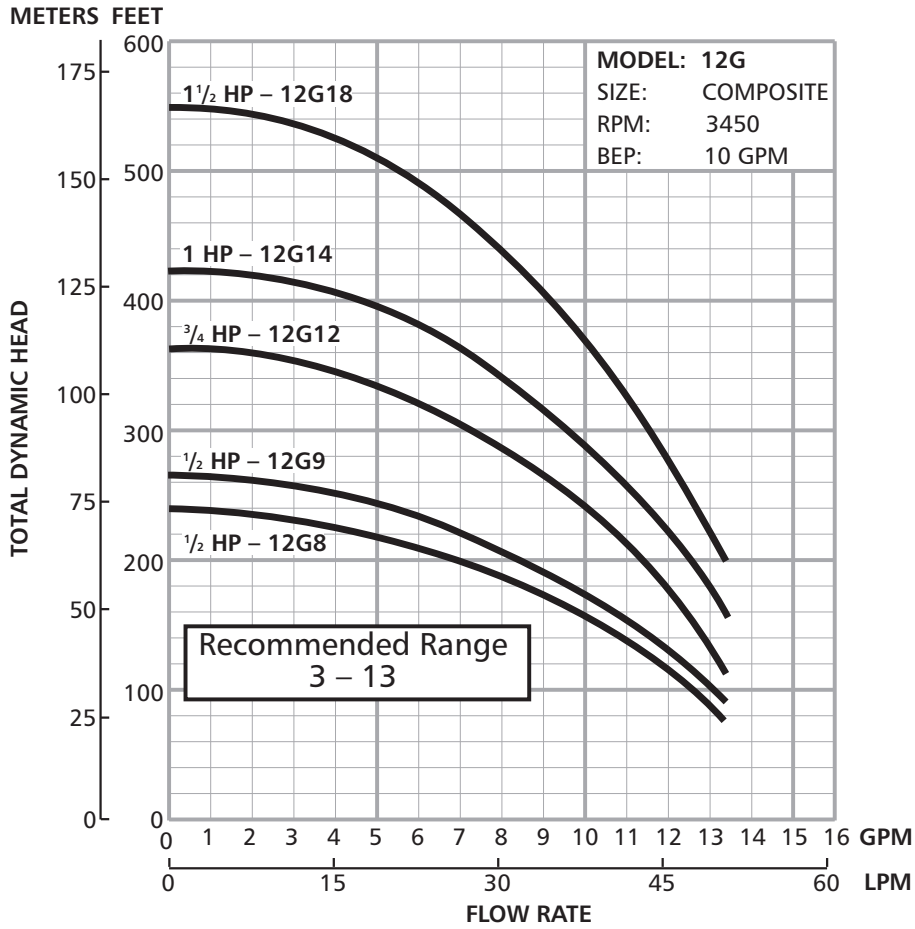
1 HP Grizzly Submersible Pumps

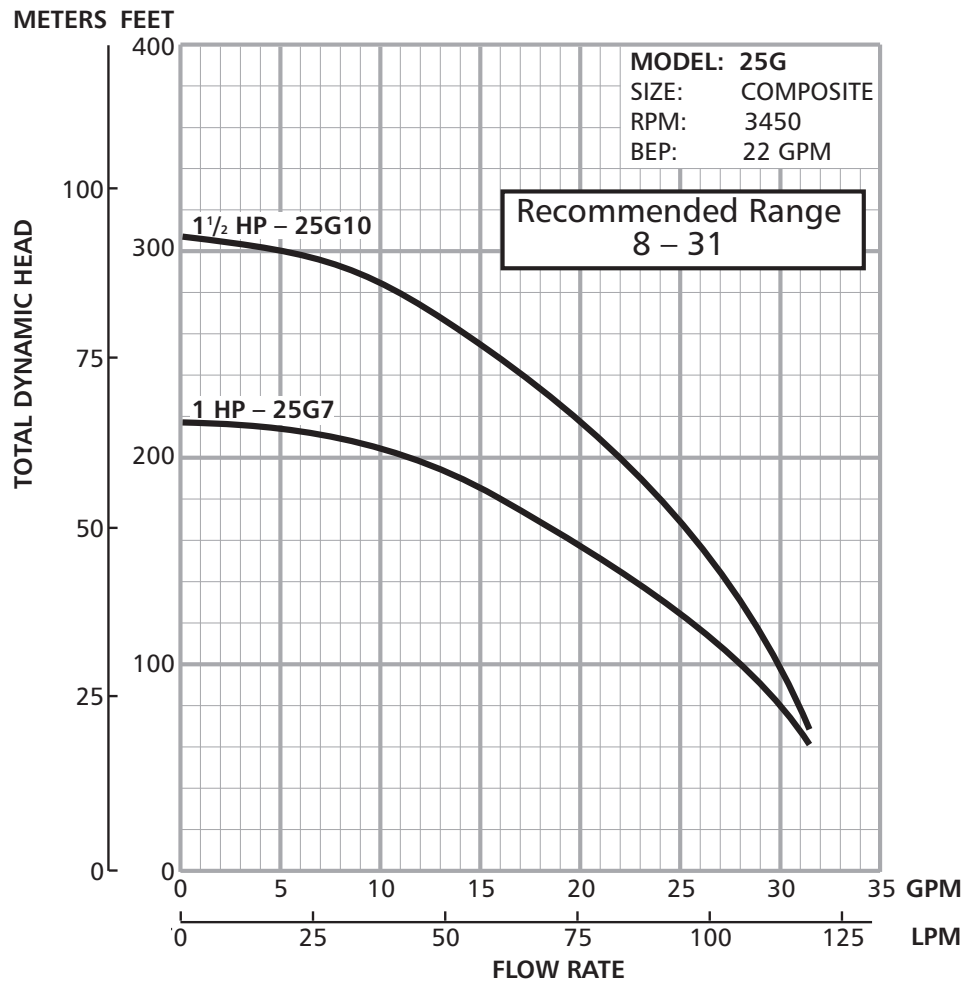
Motor	1 HP					1 HP					1 HP					1 HP					1 HP				
Pump End	6G24					8G21					12G14					20G8					25G7				
Discharge Pressure	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#	20#	30#	40#	50#	60#
0																									
20									9.9	9.6				14.0	13.7	24.5	23.5	22.1	20.6	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				

1½ HP Grizzly Submersible Pumps

Motor	1½ HP					1½ HP					1½ HP					1½ 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#	20#	30#	40#	50#	60#
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														









ITT

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