

**BGS HP-165L**  
**PERFORMANCE CHART**  
**2-3/4" TO 3-3/8" X 4-1/2" QUINTUPLEX PLUNGER PUMP**

DISPLACEMENT VOLUMES (100% V.E.)			Pump Speeds in Crankshaft Revolutions Per Minute			
GPM	BPH	BPD	2-1/4" 1110 psi	3" 935 psi	3- 1/4" 800 psi	3-1/8" 740 psi
42	60	1440	73	61	52	
56	80	1920	97	81	69	64
70	100	2400	121	101	87	80
84	120	2880	145	122	104	96
98	140	3360	169	142	121	112
112	160	3840	193	163	138	128
126	180	4320	218	183	156	144
140	200	4800	242	203	173	161
154	220	5280	266	223	190	177
168	240	5760	290	244	208	193
182	260	6240	314	264	225	209
196	280	6720	338	284	242	225
210	300	7200	363	305	260	241
224	320	7680	387	325	277	257
238	340	8160		345	294	273
252	360	8640		366	312	289
266	380	9120		386	329	305
280	400	9600			346	321
294	420	10080			363	337
322	460	11040			398	369
336	480	11520				385
<b>GPM FACTOR</b>			<b>.5785</b>	<b>.6885</b>	<b>.8080</b>	<b>.8714</b>
<b>BPH FACTOR</b>			<b>.8272</b>	<b>.9845</b>	<b>1.1554</b>	<b>1.2461</b>

Input H.P. = BPH x PSI ÷ 2200

All figures based on 100% volumetric efficiency in water.