

BGS HP-165M
PERFORMANCE CHART
1 5/8" to 2 1/2" x 4 1/2" QUINTUPLEX PLUNGER PUMP

DISPLACEMENT VOLUMES (100% V.E.)			Pump Speeds in Crankshaft Revolutions Per Minute						
GPM	BPH	BPD	1-5/8" 3180 psi	1-3/4" 2745 psi	1- 7/8" 2390 psi	2" 2100 psi	2-1/8" 1860 psi	2-1/4" 1345 psi	2-1/2" 1345 psi
14	20	480	69	60	52				
21	30	720	104	90	78	69	61	54	
28	40	960	139	120	104	92	81	72	59
35	50	1200	173	149	130	114	101	90	73
42	60	1440	208	179	156	137	122	108	88
49	70	1680	243	209	182	160	142	127	102
56	80	1920	277	239	208	183	162	145	117
63	90	2160	312	269	234	206	182	163	132
70	100	2400	347	299	260	229	203	181	146
77	110	2640	381	329	286	252	223	199	161
84	120	2880		359	312	275	243	217	176
91	130	3120			338	297	263	235	190
98	140	3360			364	320	284	253	205
105	150	3600			390	343	304	271	220
112	160	3840				366	324	289	234
119	170	4080				389	344	307	249
126	180	4320					365	325	264
133	190	4560					385	343	278
140	200	4800						361	293
147	210	5040						380	307
154	220	5280						398	322
161	230	5520							337
168	240	5760							351
175	250	6000							366
182	260	6240							381
189	270	6480							395
GPM FACTOR			.2020	.2343	.2689	.3060	.3455	.3873	.4781
BPH FACTOR			.2886	.3347	.3842	.4371	.4935	.5533	.6830

Input H.P. = BPH x PSI ÷ 2200
All figures based on 100% volumetric efficiency in water.