

POWERPAL MICRO-HYDROELECTRIC GENERATORS

Waterhead and Flow Rate to Power Output

Note: These data relate to test work done under ideal test conditions and should only be used as a guide to the performance capabilities of these low head micro-hydro products in general use.

MHG-200 (1) At constant waterhead

Head (m)	Head (ft)	Flow (m3/sec)	Flow (US gal/min)	Flow (Imp gal/min)	Power output (watts)
1.5	4.9	0.035	554	462	246
1.5	4.9	0.03	475	396	211
1.5	4.9	0.025	396	330	176
1.5	4.9	0.02	317	264	141

(2) At constant flow rate

1.5	4.9	0.035	554	462	246
1.4	4.6	0.035	554	462	230
1.3	4.3	0.035	554	462	213
1.2	3.9	0.035	554	462	197

MHG-500 (1) At constant waterhead

1.5	4.9	0.07	1,109	924	682
1.5	4.9	0.065	1,030	858	633
1.5	4.9	0.06	950	792	585
1.5	4.9	0.055	871	726	536

(2) At constant flow rate

1.5	4.9	0.07	1,109	924	682
1.4	4.6	0.07	1,109	924	637
1.3	4.3	0.07	1,109	924	595
1.2	3.9	0.07	1,109	924	546

MHG-1000 (1) At constant waterhead

1.5	4.9	0.135	2,138	1,782	1000
1.5	4.9	0.13	2,059	1,716	955
1.5	4.9	0.125	1,980	1,650	918
1.5	4.9	0.12	1,901	1,584	882

(2) At constant flow rate

1.5	4.9	0.135	2,138	1,782	1000
1.4	4.6	0.135	2,138	1,782	928
1.3	4.3	0.135	2,138	1,782	859
1.2	3.9	0.135	2,138	1,782	794