

BERKELEY® MGP/MGPS Series



The MGP/MGPS Booster Pumps are the most durable booster pump available. The proven SignaSeal™ floating impeller design minimizes thrust loads allowing for continuous operation without damage to motor bearings, mechanical seal or pump hydraulic components.

APPLICATIONS

Car wash
Filtration and reverse osmosis
Residential, commercial or agricultural pressure washing
Booster and spray systems
HVAC
General purpose pumping

SPECIFICATIONS

Max. Inlet Pressure: 80 PSI
Max. Working Pressure: 315 PSI
Max. Suction Lift: 15 feet
Maximum Limits: Prolonged use with liquids above 140°F is not recommended.
Discharge:
MGP Series: cast iron
MGPS Series: stainless steel
Motor Adapter and Base:
MGP Series: cast iron
MGPS Series: stainless steel
Shell: Stainless steel 304 grade
Impeller: Acetal
Diffuser: Polycarbonate
Shaft: Stainless steel 304 grade
O-Rings: Buna-N
Mechanical Seal: Carbon/ceramic, Buna-N

FEATURES

SignaSeal Staging System: The proven SignaSeal staging system utilizes a ceramic wear surface that, when incorporated with Sta-Rite's "true" independent floating impellers, dominates with 1st-in-class performance, superior sand handling and thrust management staging system.

Acetal Impellers: Precision-molded for perfect balance...ultra-smooth for highest performance and efficiency.

Precision-Molded Diffusers: Superior performance with high resistance to corrosion and abrasion.

Mechanical Shaft Seal: Precision lapped and highly polished carbon-ceramic, stainless steel construction. Internal design guarantees continuous water lubrication.

Motor Windings: Superior insulation materials protect against excessive moisture and contaminants...assure prolonged motor life.

Balanced Rotor: Diecast under high pressures for uniform performance and greater efficiency; dynamically balanced.

Heavy-Duty Ball Bearings: Shielded, permanently lubricated bearings, extensively tested to ensure extended life and smooth, quiet operation.

Pump and Motor Shaft: Stainless steel for maximum corrosion resistance; one-piece threaded shaft for positive impeller drive.

Dustproof Cover: All electrical components are protected from dirt, dust and insects by a dustproof canopy; ventilating air cannot contaminate.

TEFC Models available. Contact Customer Service.

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ORDERING INFORMATION									
Catalog Number		GPM	HP	Phase	Stages	Pipe Tapping Sizes		Motor Voltage	Shipping Wt. (lbs.)
Cast Iron	Stainless Steel					Inlet	Outlet		
MGP7C	MGPS7C	7	1/2	1	9	3/4"	3/4"	115/230	42
MGP7C3	MGPS7C3		1/2	3	9	3/4"	3/4"	208-230/460	42
MGP7D	MGPS7D		3/4	1	12	3/4"	3/4"	115/230	48
MGP7D3	MGPS7D3		3/4	3	12	3/4"	3/4"	208-230/460	48
MGP7E	MGPS7E		1	1	16	3/4"	3/4"	115/230	59
MGP7E3	MGPS7E3		1	3	16	3/4"	3/4"	208-230/460	59
MGP10C	MGPS10C	10	1/2	1	6	3/4"	3/4"	115/230	40
MGP10C3	MGPS10C3		1/2	3	6	3/4"	3/4"	208-230/460	40
MGP10D	MGPS10D		3/4	1	8	3/4"	3/4"	115/230	46
MGP10D3	MGPS10D3		3/4	3	8	3/4"	3/4"	208-230/460	46
MGP10E	MGPS10E		1	1	10	3/4"	3/4"	115/230	57
MGP10E3	MGPS10E3		1	3	10	3/4"	3/4"	208-230/460	57
MGP10F	MGPS10F		1-1/2	1	14	3/4"	3/4"	230	71
MGP10F3	MGPS10F3		1-1/2	3	14	3/4"	3/4"	208-230/460	71
MGP10G	MGPS10G		2	1	16	3/4"	3/4"	230	79
MGP10G3	MGPS10G3		2	3	16	3/4"	3/4"	208-230/460	79
MGP20E	MGPS20E	20	1	1	7	1"	1"	115/230	55
MGP20E3	MGPS20E3		1	3	7	1"	1"	208-230/460	55
MGP20F	MGPS20F		1-1/2	1	9	1"	1"	230	68
MGP20F3	MGPS20F3		1-1/2	3	9	1"	1"	208-230/460	68
MGP20G	MGPS20G		2	1	11	1"	1"	230	74
MGP20G3	MGPS20G3		2	3	11	1"	1"	208-230/460	74
MGP20H	MGPS20H		3	1	15	1"	1"	208-230-1	59
MGP20H3	MGPS20H3		3	3	15	1"	1"	208-230/460-3	55
MGP30E	MGPS30E	30	1	1	5	1-1/4"	1-1/4"	115/230-1	47
MGP30E3	MGPS30E3		1	3	5	1-1/4"	1-1/4"	208-230/460-3	44
MGP30F	MGPS30F		1-1/2	1	6	1-1/4"	1-1/4"	230-1	54
MGP30F3	MGPS30F3		1-1/2	3	6	1-1/4"	1-1/4"	208-230/460-3	49
MGP30G	MGPS30G		2	1	7	1-1/4"	1-1/4"	230-1	57
MGP30G3	MGPS30G3		2	3	7	1-1/4"	1-1/4"	208-230/460-3	53
MGP30H	MGPS30H		3	1	11	1-1/4"	1-1/4"	208-230-1	59
MGP30H3	MGPS30H3		3	3	11	1-1/4"	1-1/4"	208-230/460-3	55

NOTE: ODP motor is standard, for TEFC motors, contact Customer Service.

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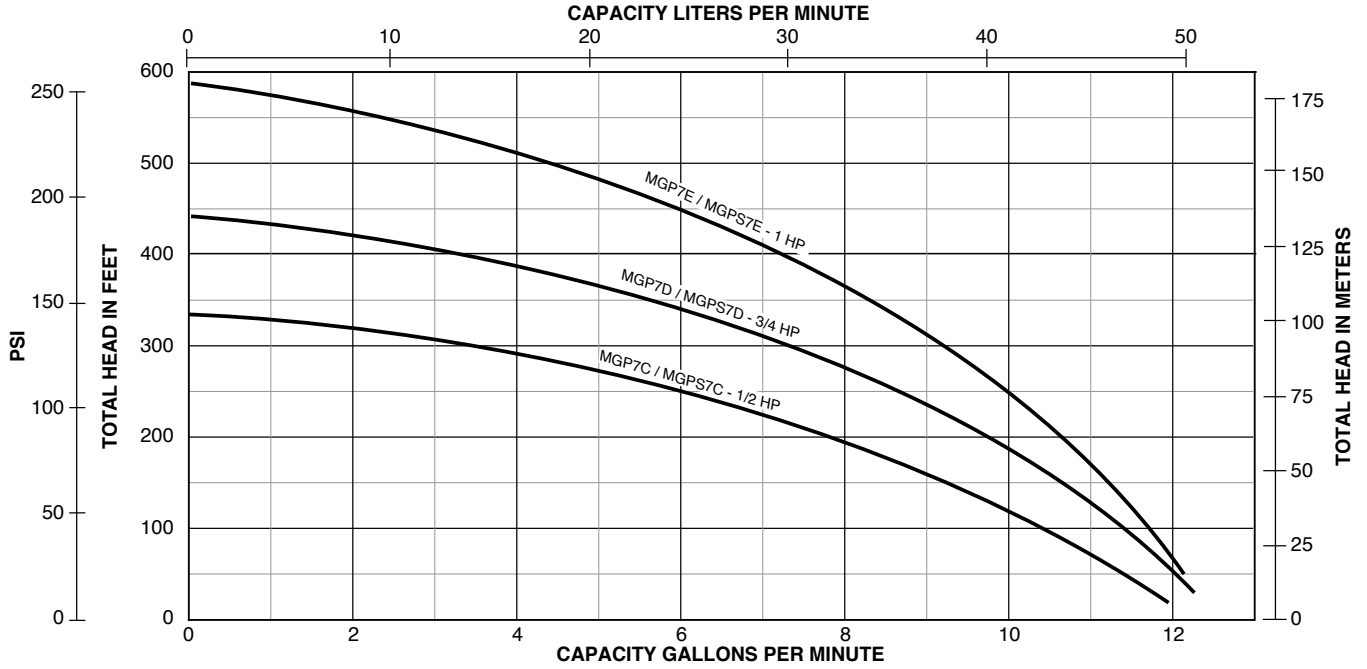
ORDERING INFORMATION (ACCESSORIES)		
Pkg. No.	Description	Approx. Wt. Lbs.
SUCTION		
83	Suction hose – 3/4" 150 PSI hose, 6 ft. section with two (2) female hose fittings	3
85	Two (2) garden hose/NPT adapters – 3/4" NPT male to 3/4" garden hose male	3
150 PSI RATED* DISCHARGE		
84	Discharge hose – 3/4" 150 PSI hose, 25 ft. section with male and female garden hose fittings	10
86	High-pressure pistol-grip nozzle with three (3) nozzles (No. 56, 50 and 49)	2

*To select proper discharge accessories for your pump, add incoming pressure to pump output pressure, to determine total discharge pressure.

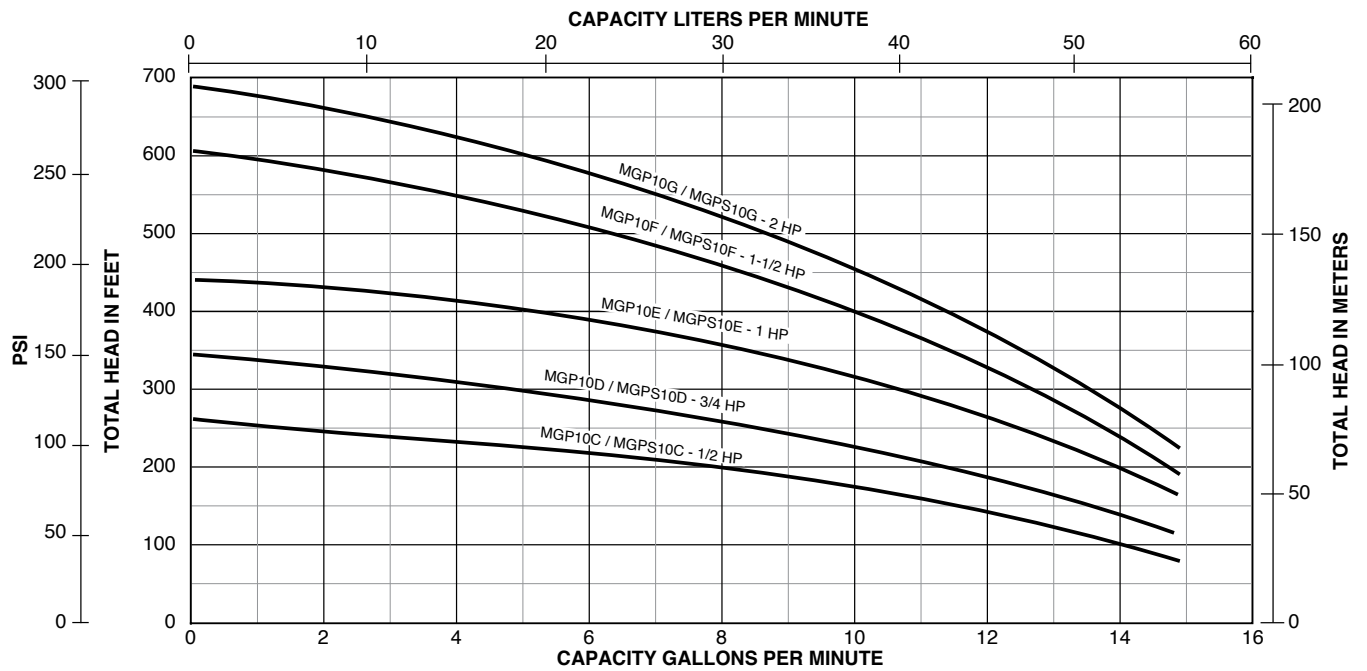
Example: Incoming pressure 20 PSI + pump output pressure (HP7C at 0 GPM, 300') 87 PSI = Total 150 PSI at discharge = 150 PSI rated discharge accessories

BERKELEY® MGP/MGPS Series

PUMP PERFORMANCE: 7 GPM

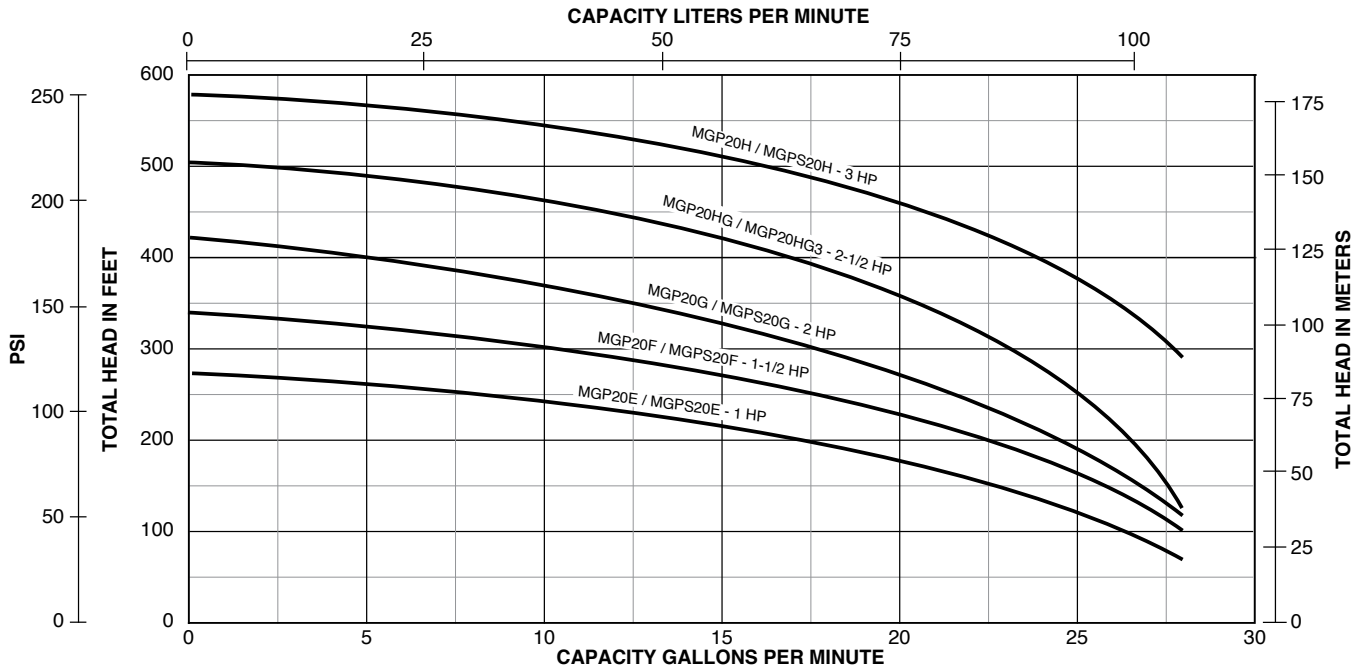


PUMP PERFORMANCE: 10 GPM

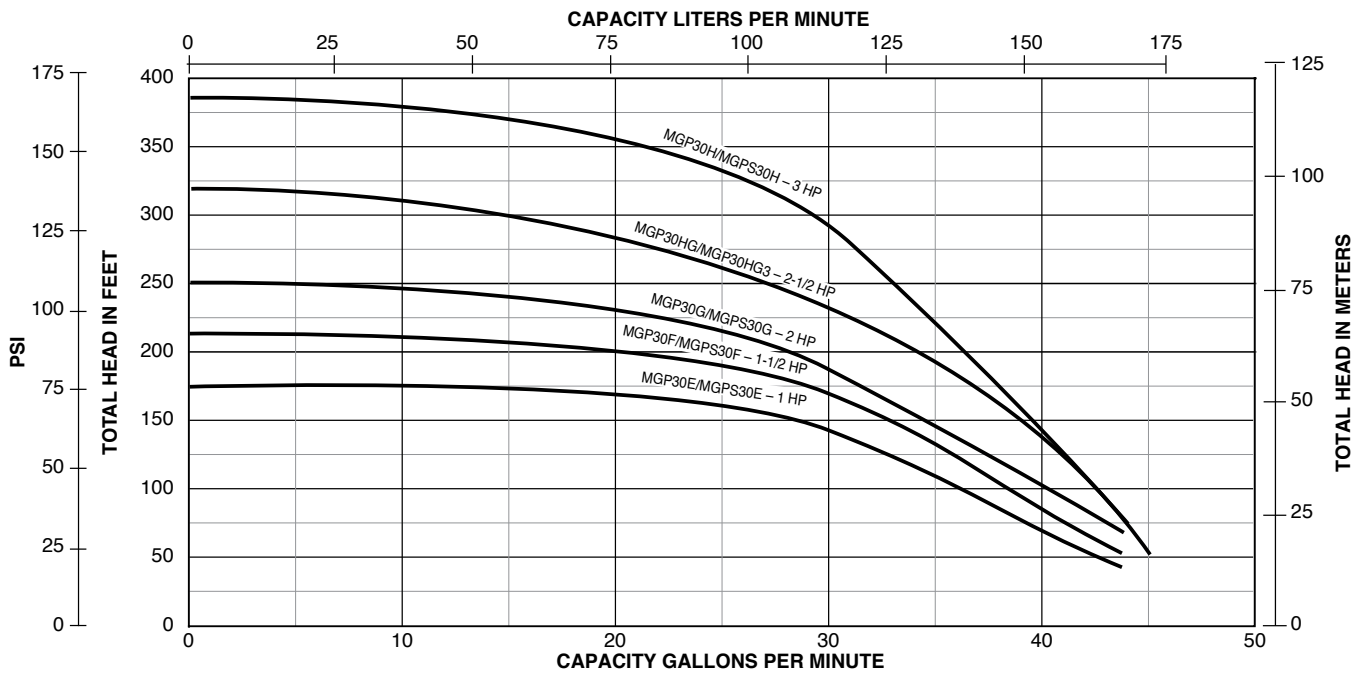


BERKELEY® MGP/MGPS Series

PUMP PERFORMANCE: 20 GPM

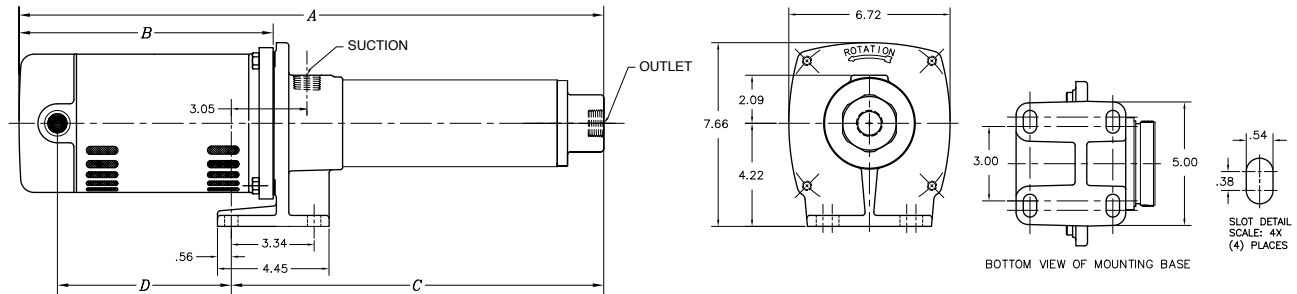


PUMP PERFORMANCE: 30 GPM



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OUTLINE DIMENSIONS



DIMENSIONS IN INCHES

CAST IRON						STAINLESS STEEL					
Catalog Number	HP	A	B	C	D	Catalog Number	HP	A	B	C	D
MGP7C	1/2	24.28	10.38	15.76	6.68	MGPS7C	1/2	25.39	11.60	15.65	8.44
MGP7C3	1/2	26.41	9.88	18.39	6.68	MGPS7C3	1/2	26.27	9.88	18.25	6.68
MGP7D	3/4	27.41	10.88	18.39	7.69	MGPS7D	3/4	28.36	11.97	18.25	8.81
MGP7D3	3/4	30.41	10.38	21.89	7.28	MGPS7D3	3/4	26.77	10.38	18.25	7.28
MGP7E	1	31.91	11.88	21.89	8.69	MGPS7E	1	31.89	11.97	21.78	8.81
MGP7E3	1	22.15	10.88	13.13	7.68	MGPS7E3	1	30.80	10.88	21.78	11.94
MGP10C	1/2	22.87	11.60	13.13	8.44	MGPS10C	1/2	22.76	11.60	13.02	8.44
MGP10C3	1/2	21.15	9.88	13.13	6.68	MGPS10C3	1/2	22.79	9.88	14.77	6.68
MGP10D	3/4	24.99	11.97	14.88	8.81	MGPS10D	3/4	24.88	11.97	14.77	8.81
MGP10D3	3/4	25.15	10.38	16.63	7.28	MGPS10D3	3/4	25.04	10.38	16.52	7.28
MGP10E	1	27.80	13.03	16.63	9.87	MGPS10E	1	27.69	13.03	16.52	9.87
MGP10E3	1	24.78	10.88	15.76	7.68	MGPS10E3	1	29.05	10.88	20.03	7.68
MGP10F	1-1/2	31.18	13.78	19.26	10.31	MGPS10F	1-1/2	31.95	13.78	20.03	10.31
MGP10FG	1-1/2	31.91	11.88	21.89	8.69	MGPS10F3	1-1/2	31.80	11.88	21.78	8.69
MGP10G	2	36.44	13.78	24.52	10.62	MGPS10G	2	33.70	13.78	21.78	10.62
MGP10G3	2	32.66	12.63	21.89	9.44	MGPS10G3	2	27.22	12.63	16.45	9.44
MGP20E	1	26.85	13.03	15.68	9.87	MGPS20E	1	26.74	13.03	15.57	9.87
MGP20E3	1	26.93	10.88	17.91	7.68	MGPS20E3	1	26.82	10.88	17.80	7.68
MGP20F	1-1/2	29.83	13.78	17.91	10.31	MGPS20F	1-1/2	29.72	13.78	17.80	10.31
MGP20F3	1-1/2	30.16	11.88	20.14	8.69	MGPS20F3	1-1/2	30.05	11.88	20.03	8.69
MGP20G	2	32.06	13.78	20.14	10.62	MGPS20G	2	31.95	13.78	20.03	10.62
MGP20G3	2	26.53	12.63	15.76	9.44	MGPS20G3	2	26.42	12.63	15.65	9.44
MGP30E	1	25.08	11.88	14.92	8.69	MGPS30E	1	26.23	13.03	14.92	9.87
MGP30E3	1	24.08	10.88	14.92	7.69	MGPS30E3	1	24.08	10.88	14.92	7.69
MGP30F	1-1/2	27.26	12.63	16.35	9.44	MGPS30F	1-1/2	28.10	13.47	16.35	10.31
MGP30F3	1-1/2	26.51	11.88	16.35	8.69	MGPS30F3	1-1/2	26.51	11.88	16.35	8.69
MGP30G	2	28.49	12.42	17.79	9.47	MGPS30G	2	29.85	13.78	17.79	10.62
MGP30G3	2	28.70	12.63	17.79	9.44	MGPS30G3	2	28.70	12.63	17.79	9.44
MGP30HG	2-1/2	32.24	13.18	20.78	10.25	MGPS30HG	2-1/2	32.24	13.18	20.78	10.28
MGP30HG3	2-1/2	32.26	13.20	20.78	10.28	MGPS30HG3	2-1/2	32.26	13.20	20.78	10.28
MGP30H	3	35.86	14.05	23.53	11.12	MGPS30H	3	35.86	14.05	23.53	11.12
MGP30H3	3	33.73	11.92	23.53	8.97	MGPS30H3	3	33.73	11.92	23.53	8.97



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