

ASP BARESHAFT

ASP 420

Bareshaft Pump Performance

Rotor Selection
10° - 40°C Standard Rotor
41° - 70°C Mark 3 Rotor
For applications outside these temperature limits, contact Mono Pumps.

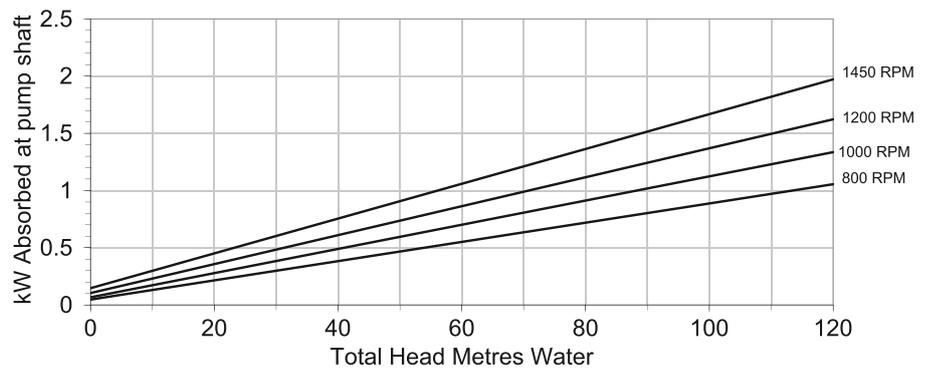
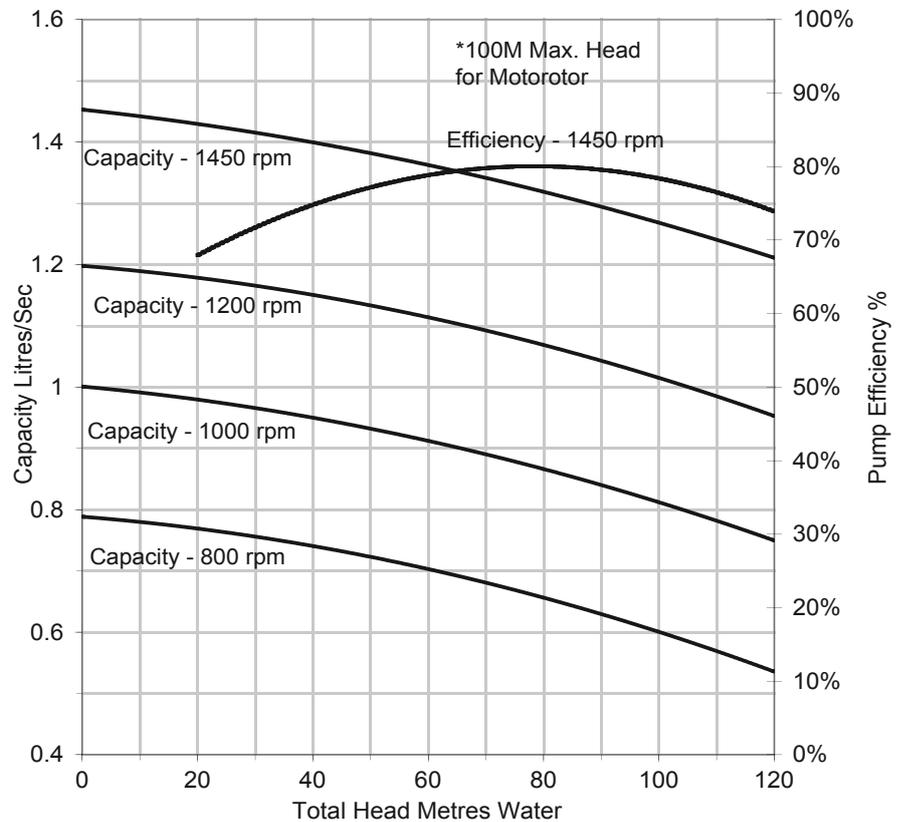
Suction Table	
RPM	Metres
1450	6.4
1200	7.1
1000	7.4
800	7.6

Figures shown are maximum suction lift at sea level at 20°C other losses due to fitting and pipe friction to be deducted for system design.

Minimum Motor Size: 1.1kW
kW absorbed curve and figures relate to power absorbed at the pump shaft. For drive power requirements use the following multipliers.
DIESEL x 1.33 PETROL x 1.5 ELECTRIC x 1.25

Common Conversions	
1 l/sec	= 792 gal/hr
1000 gal/hr	= 75.6 l/min
10 m	= 34 ft = 14.2 psi = 98 kpa
100 ft	= 30.5 m = 43.3 psi = 298 kpa
1 hp	= 0.75kW
1 kW	= 1.34 hp

Test curve and table are typical only figures at 20°C performance may vary with temperature and field condition.



Pump Speed rpm	Capacity and Power	Total head from all causes					
		20 65ft	40 130ft	60 197ft	80 262ft	100 328ft	120 393ft
1450	Litres/Sec	1.43	1.4	1.36	1.32	1.27	1.21
	Gph kW abs	1132 0.46	1108 0.74	1076 1.06	1045 1.37	1005 1.67	958 1.97
1200	Litres/Sec	1.18	1.15	1.11	1.07	1.02	0.95
	Gph kW abs	934 0.36	910 0.6	878 0.87	847 1.12	807 1.37	752 1.62
1000	Litres/Sec	0.98	0.95	0.91	0.87	0.81	0.75
	Gph kW abs	776 0.28	752 0.49	720 0.7	689 0.91	641 1.12	594 1.34
800	Litres/Sec	0.77	0.74	0.7	0.66	0.6	0.535
	Gph kW abs	609 0.22	586 0.38	554 0.55	522 0.71	475 0.89	423 1.06