

ASP 520 Bareshaft Pump Performance

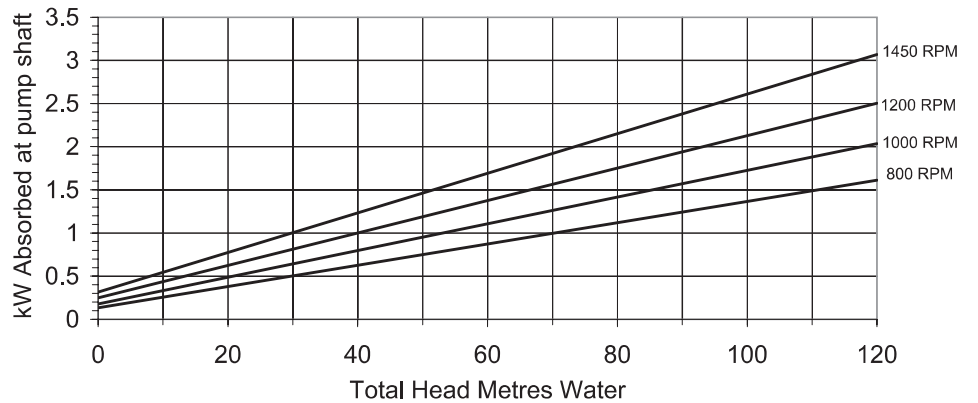
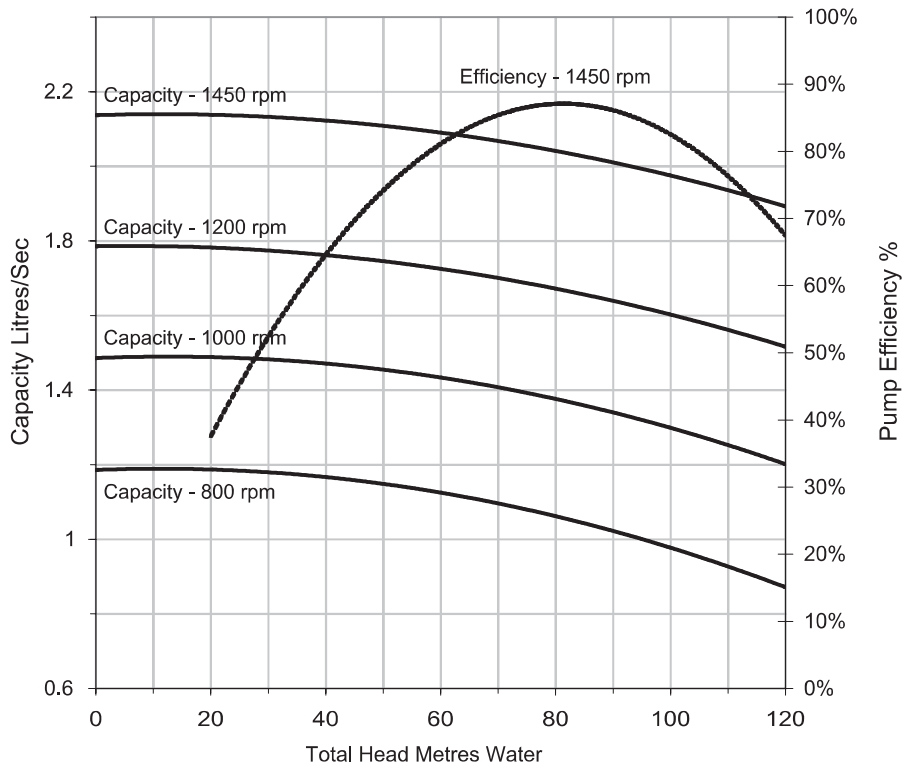
Rotor Selection	
10° - 40°C Standard Rotor	
41° - 70°C Mark 3 Rotor	
For applications outside these temperature limits, contact NOV Australia.	

Suction Table	
RPM	Metres
1450	6.5
1200	7.0
1000	7.5
800	8.0
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: 1.5kW
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 (m)					
		20 65ft	40 130ft	60 197ft	80 262ft	100 328ft	120 393ft
1450	Litres/Sec	2.14	2.12	2.09	2.04	1.98	1.89
	Gph	1694	1678	1654	1614	1567	1496
	kW abs	0.77	1.23	1.7	2.15	2.6	3.07
1200	Litres/Sec	1.79	1.75	1.72	1.68	1.61	1.51
	Gph	1417	1385	1361	1330	1274	1195
	kW abs	0.62	1.01	1.37	1.76	2.13	2.5
1000	Litres/Sec	1.49	1.47	1.43	1.38	1.3	1.2
	Gph	1179	1163	1132	1092	1029	950
	kW abs	0.49	0.8	1.11	1.4	1.73	2.04
800	Litres/Sec	1.19	1.16	1.13	1.06	0.98	0.87
	Gph	942	918	894	839	776	689
	kW abs	0.39	0.63	0.87	1.1	1.36	1.63