

SECTION 4

AGM LONGHAUL

All prices are exclusive of G.S.T.

AGM 640 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.	

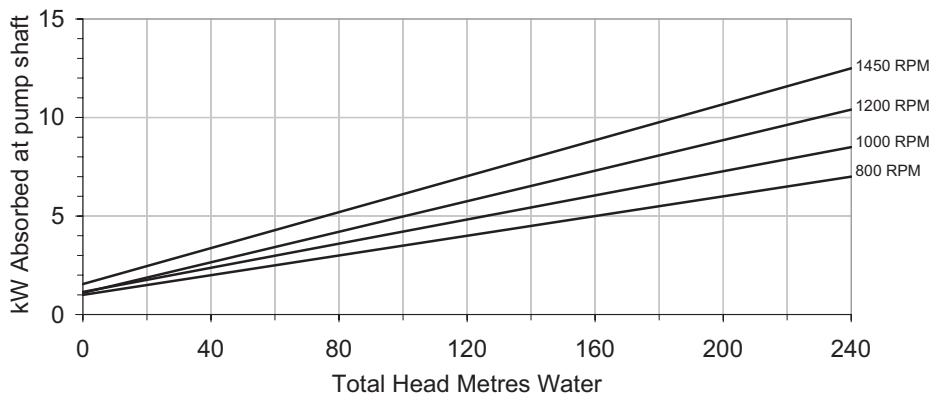
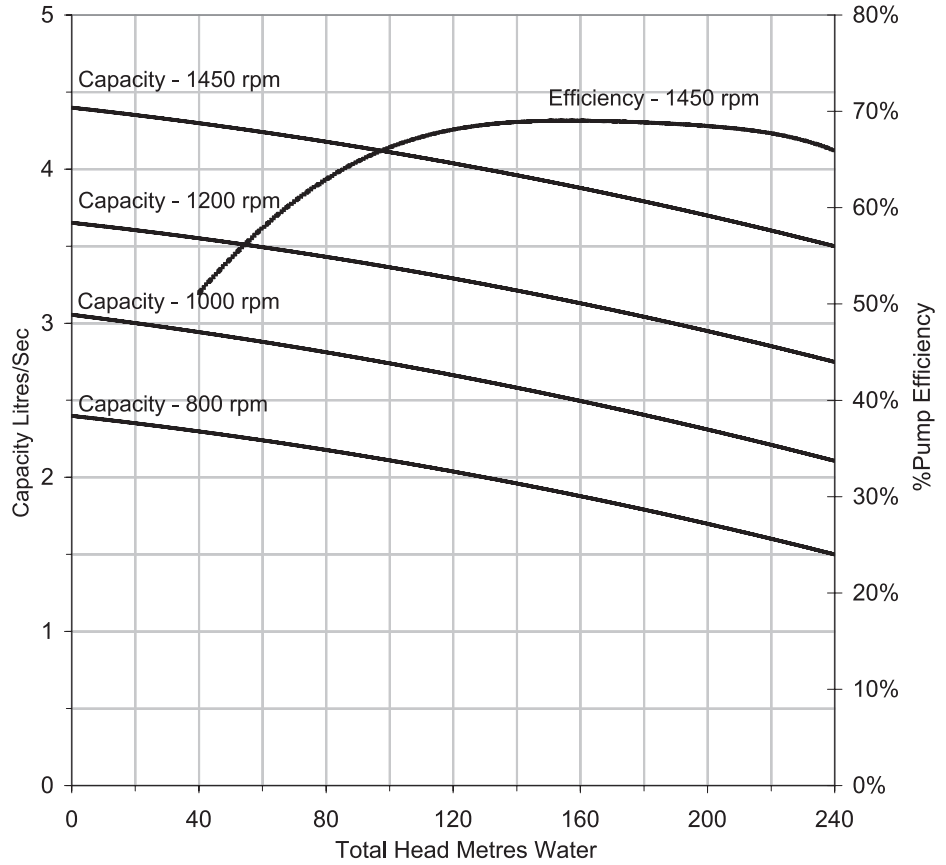
Suction Table	
RPM	Metres
1450	5.0
1200	6.0
1000	7.0
800	7.5

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: 2.2kW	
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					
		40 130ft	80 262ft	120 393ft	160 528ft	200 660ft	240 792ft
1450	Litres/Sec	4.30	4.17	4.05	3.87	3.70	3.50
	Gph kW abs	3405 3.30	3302 5.20	3207 7.00	3065 8.80	2930 10.60	2772 12.50
1200	Litres/Sec	3.55	3.43	3.30	3.12	2.95	2.75
	Gph kW abs	2811 2.70	2716 4.20	2613 5.80	2471 7.30	2336 8.80	2178 10.40
1000	Litres/Sec	2.95	2.80	2.66	2.50	2.32	2.10
	Gph kW abs	2336 2.30	2217 3.60	2106 4.80	1980 6.00	1837 7.20	1663 8.50
800	Litres/Sec	2.30	2.17	2.05	1.87	1.70	1.50
	Gph kW abs	1821 2.00	1718 3.00	1623 4.00	1481 5.00	1346 6.00	1188 7.00

