

SECTION 4

AGM LONGHAUL

All prices are exclusive of G.S.T.

AGM 820

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.	

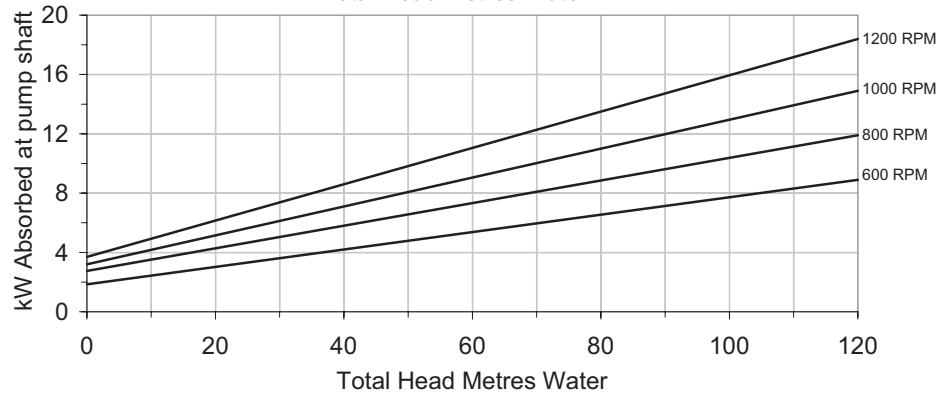
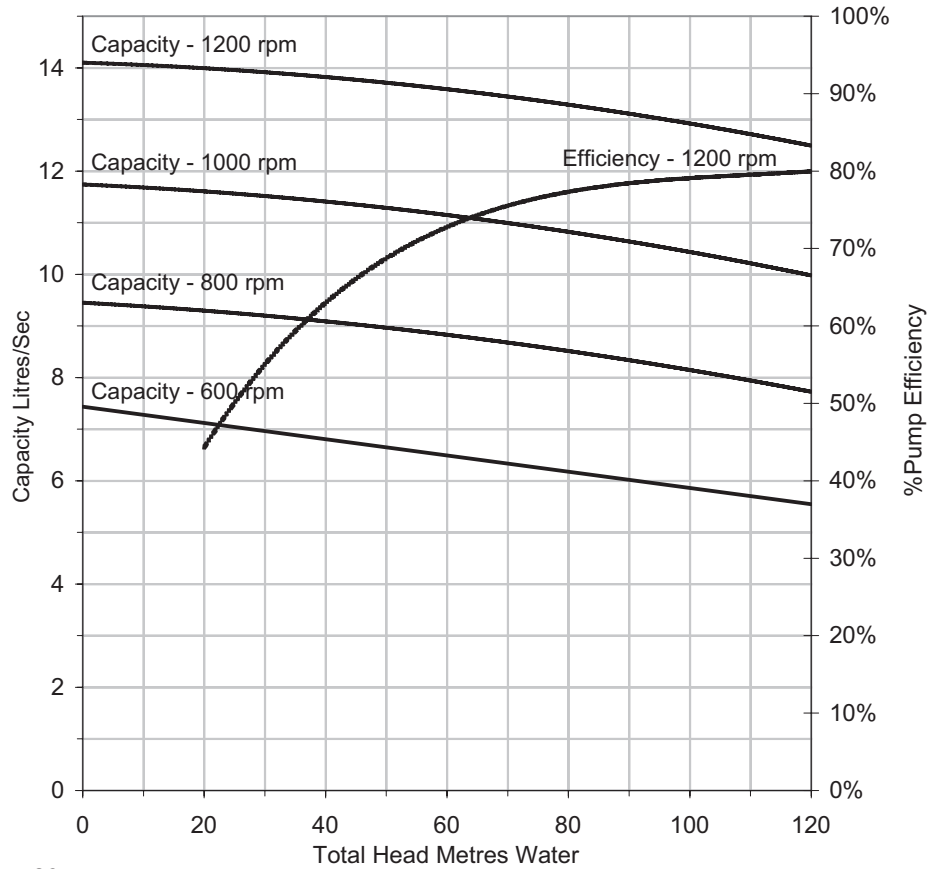
Suction Table	
RPM	Metres
1200	1.5
1000	3.5
800	5.5
600	7.0

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: 5.5kW	
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					
		20 65ft	40 130ft	60 197ft	80 262ft	100 328ft	120 393ft
1200	Litres/Sec	14.0	13.80	13.60	13.30	12.90	12.50
	Gph	11086	10928	10770	10532	10215	9899
	kW abs	6.20	8.60	11.00	13.50	16.00	18.40
1000	Litres/Sec	11.60	11.40	11.20	10.80	10.40	10.00
	Gph	9186	9028	8869	8552	8236	7919
	kW abs	5.20	7.10	9.00	11.00	12.90	14.9
800	Litres/Sec	9.30	9.10	8.80	8.50	8.20	7.70
	Gph	7365	7206	6969	6731	6493	6098
	kW abs	4.20	5.80	7.30	8.80	10.40	11.90
600	Litres/Sec	7.00	6.80	6.60	6.30	5.90	5.40
	Gph	5543	5385	5226	4989	4672	4276
	kW abs	3.10	4.20	5.40	6.60	7.70	8.90

