

EQUIPMENT SPECIFICATION

300 m³/hr Self Priming Diesel Engine Ballast Pumps



Revision	Date	Comment	Prepared by
0	Sep 2008	Re-issued. Updated pump curve included	SJJ

ITEM 1. Self Priming Ballast Pumps

Classification:	300m ³ /hr Ballast Pump
Prime Mover:	Deutz F4L912 Air Cooled Diesel Engine
Pump:	Victor S180 G31B Self Priming Casing: Gray Iron (ASTM A48-64 35B) Impellor: Ø342mm Ductile Iron (ASTM A536 60-40-18) Wear Plates: Ductile Iron (ASTM A536 60-40-18) Shaft: Stainless Steel (ASTM A276 A420) Self-priming up to 7.0m suction depth.
Transmission:	Engine (1500rpm) : Pump (1500rpm) via SAE 11½ Stub Shaft & Fenaflex F80H Rubber Tyre Coupling
Suction/Discharge Fittings	6" Bauer Style Quick Connect Clamps Suction: Female Discharge: Male
Motor Control:	"ControlLite" DC Engine Control c/w overspeed/oil temp/oil press/belt tension automatic shutdown
Overall Dimensions:	Length 2.4m / Width 1.3m / Height 1.2m.
Fuel Tank:	200L capacity for 24hr runtime.
Approx. Weight:	1200kg including 100L diesel fuel
Mobility:	Mounted on 2 x pneumatic light truck tyres on 12" automotive rims/hubs/stub axles. Axle line is positioned of the centre of gravity of the machine for ease of handling.



Mark 2 Pump Set - Jan 2008



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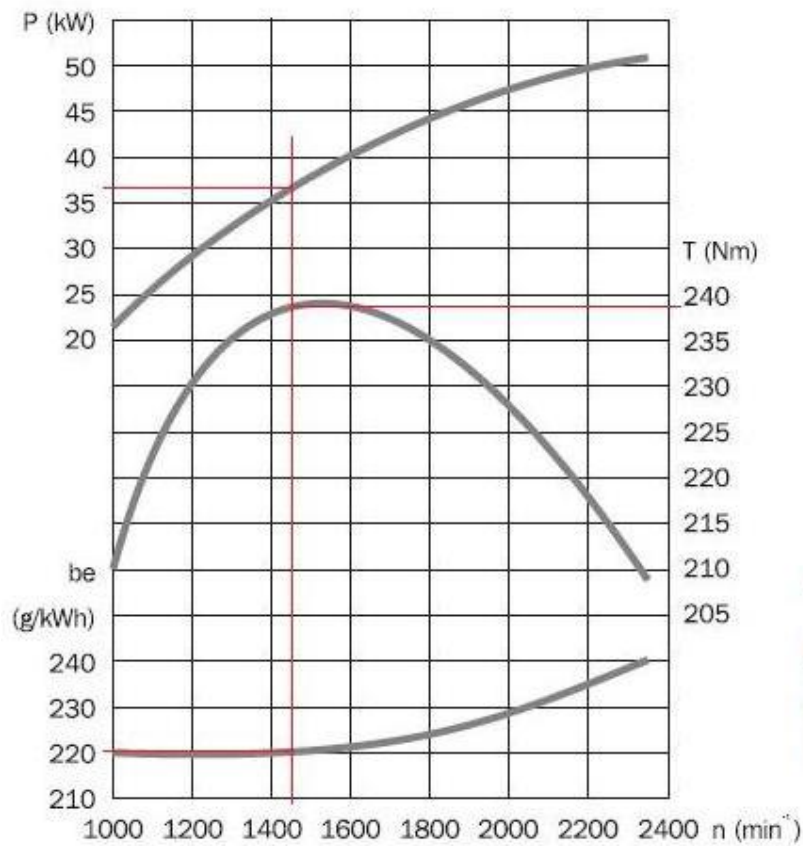


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Deutz F4L912 Performance Curve



At 1450rpm, F4L912 performs:

Power, $P=36$ kW

Torque, $T=238$ Nm

Consumption, $be=220$ g/kWhr
(or 6.5L/hr)

F4L912

S180 G31B Pump Curve

Impeller: **342 mm Ø**
Girante:

Solids up to: **40 mm Ø**
Solidi fino a:

Speed: **1450 min⁻¹**
Velocità:

