



BALLASTING

Barge ballasting pumps



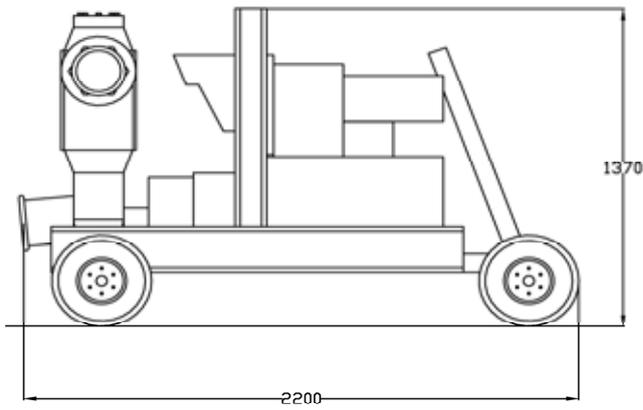
BARGE BALLASTING PUMP
6" Diesel driven centrifugal pump



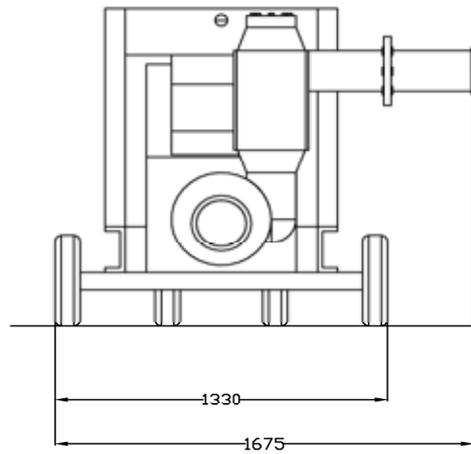
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Pump dimensions

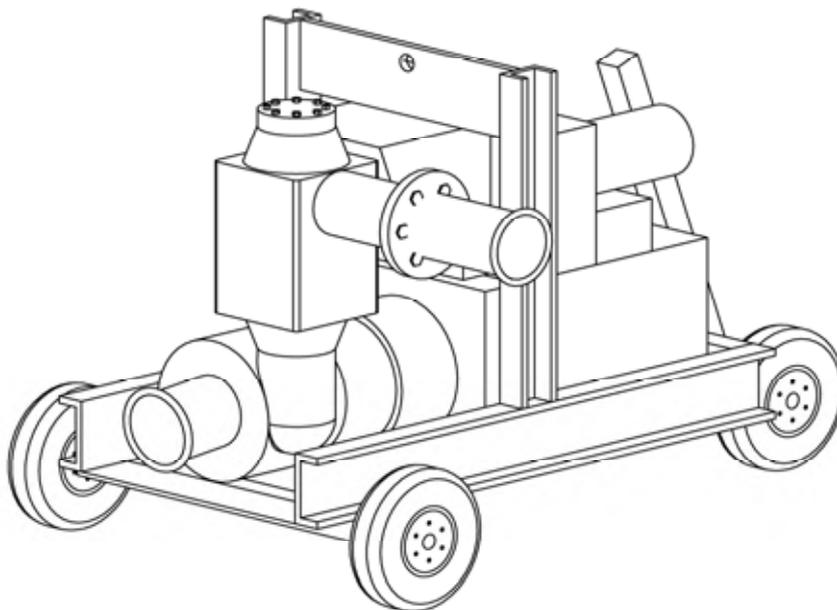
SIDE VIEW



END VIEW



ISOMETRIC VIEW



BARGE BALLASTING PUMP

6" Diesel driven centrifugal pump



Air-Marine

BALLASTING

Pump general specifications

Pump Casing/ Separation Tank	Engine Adaptor	Wear Plate	Impeller	Shaft	NRV Tank* Ball & Seat	Mechanical Seal	Drive End Bearing	Pump End Bearing	Compressor
Cast Iron to BS1452 Grade 220	Cast Iron to BS1452 Grade 220	Cast Carbon Manganese Steel BS3 100- 1991 Grade 5 Min. Hardness Brinell 300HB	Cast Steel BS3100 1976G08W Hardened to 341 H B Brinell	Nickel Chrome Steel to BS 970 Grade M40 EN241	Cast Iron - High Nitrile Rubber	Silicon Carbide vs Silicon Carbide	Taper Roller 3311	Taper Roller 3311	15 cfm ● 60 psi

* Also available in Silicon Aluminium to BS 1490 Grade LM25WP

Technical Details:

- Suction: Flanged 6" table 'D'
 - Discharge: Flanged 6" table 'D'
 - Max. Solids handling size 65 mm dia.
 - Max. Impeller dia. 280 mm (three bladed fully open)
 - Max. Operating temp. +80°C
 - Max. Working Pressure 4 BAR (59 PSI)
 - Max. Suction Pressure 2 BAR (29 PSI)
 - Max. Test Pressure 6 BAR (88 PSI)
 - Max. Operating Speed 2200 RPM
 - Min. Operating Speed 1200 RPM
 - Standard Compressor Absorbs 3 KW
- | Fuel tank capacity | litres | hours running |
|--------------------|--------|---------------|
| Lister TR3 | 73 | 14 |
| Perkins 104.19 | 73 | 16 |
| Perkins 1004-40T | 270 | 15 |

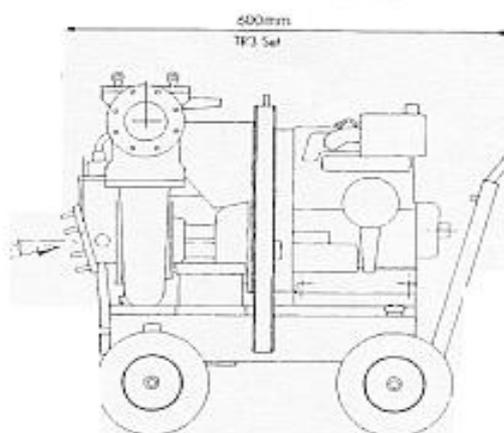
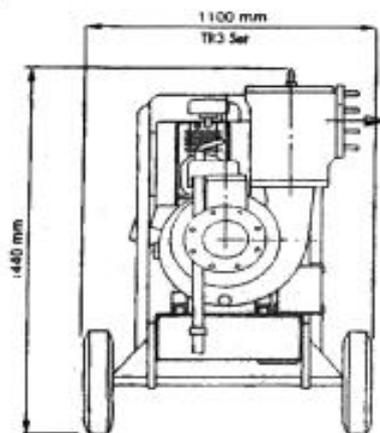
Diesel Set – Performance Tables

CD150M/TR3 – 17 kw at 1500 r.p.m. – 250 mm impeller
 CD150M/104.19 – 15 kw at 1500 r.p.m. – 250 mm impeller

Total Delivery Head – Feet					
Total Suction Head – Feet	10	20	30	40	50
Output GPM	1380	1200	1000	700	260
15	1280	1110	860	500	

Total Delivery Head – Feet					
Total Suction Head – Feet	30	60	90	120	140
Output GPM	1680	1610	1400	1000	600
15	1650	1590	1340	900	450

Approximate Dimensions:



Approximate Nett Weight:

CD150M/TR3
723kg

CD150M/104.19
693kg

BARGE BALLASTING PUMP

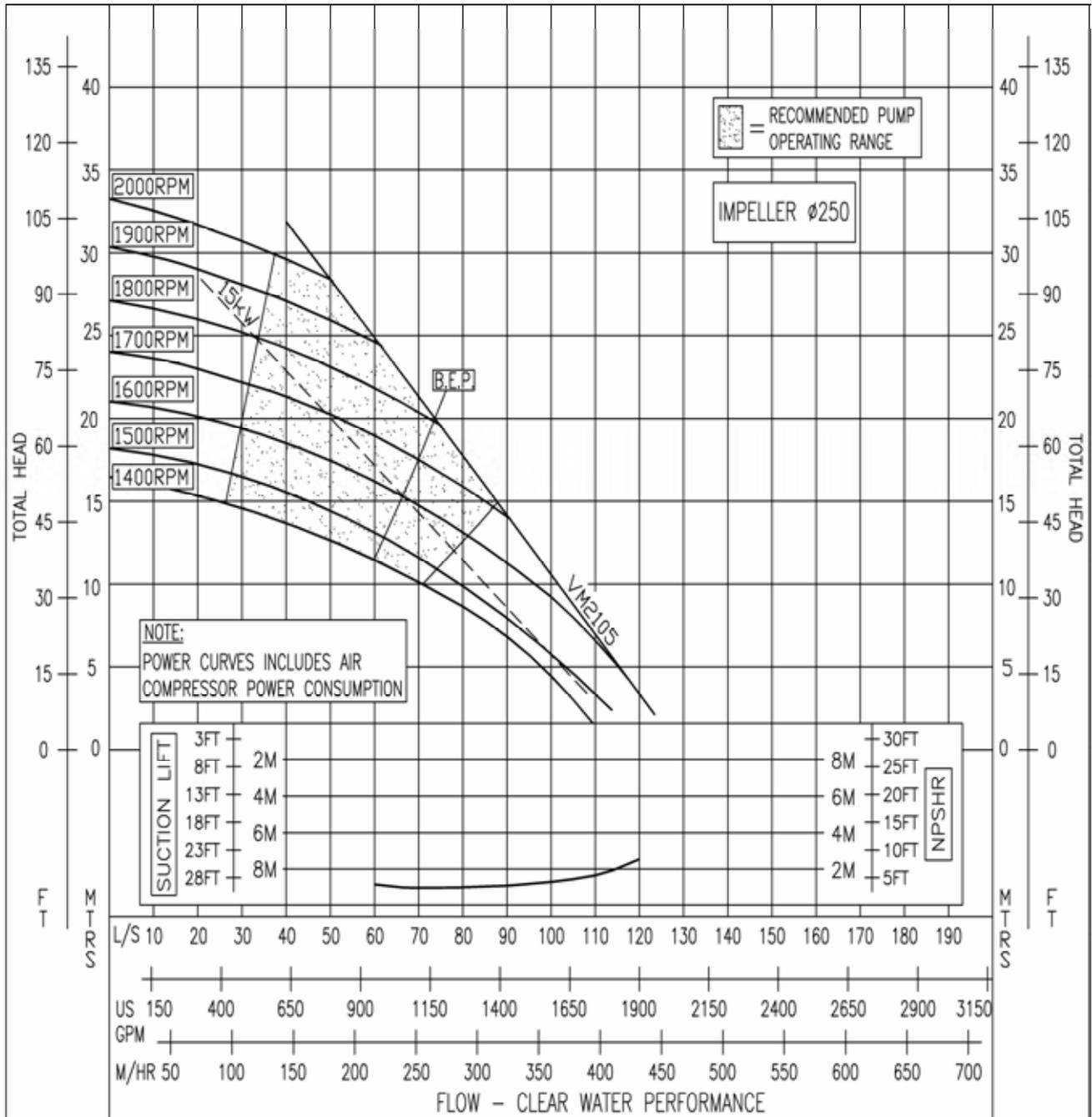
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Air-Marine

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Pump flow chart



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