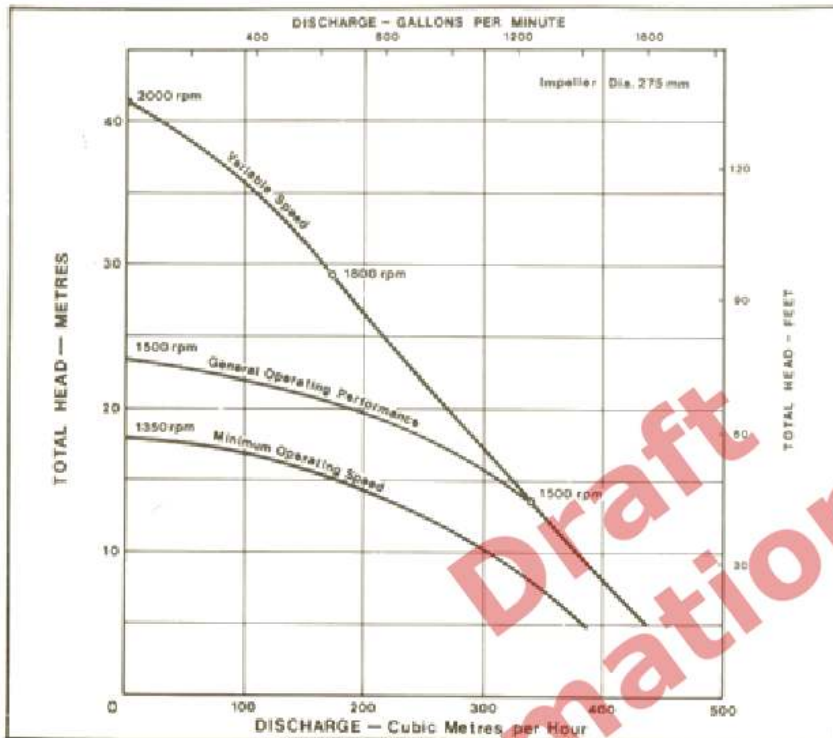


# CD150M Performance Curve



## Performance Tables

Diesel Set - Hatz 3L40C 24.1 h.p. at 1500 r.p.m.  
Impeller Diameter 275 m.m.

Total Suction Head - Feet	Total Delivery Head - Feet				
	10	20	30	40	50
10	1540	1415	1300	1130	875
15	1490	1350	1220	1000	710
20	1415	1300	1130	875	480
25	1280	1220	1020	710	100

Diesel Set - Lister TR3 22.0 h.p. at 1450 r.p.m.  
Impeller Diameter 270 m.m.

Total Suction Head - Feet	Total Delivery Head - Feet				
	5	10	20	30	40
10	1460	1380	1200	1000	730
15	1380	1280	1100	860	600
20	1300	1200	970	740	440
25	1170	1100	860	600	110

MANOMETRIC or TOTAL Heads are given in the rating tables and curves based on water tests at sea level and 20°C.

For maximum flows larger diameter pipes may be required.

Dimensions in m.m. - Dry Weight - Kilos

	Site Trolley			
	Length	Width	Height	Weight
Hatz 3L40C	1620	1014	1425	832
Lister TR3	1430	1014	1450	718

## Technical Notes:

Maximum operating speed:  
2000 r.p.m.

Maximum operating temperature:  
+ 100°C

Maximum working pressure:  
4.0 bar (58.5 p.s.i.)

Maximum suction pressure:  
2.0 bar (29.0 p.s.i.)

Maximum casing pressure:  
6.05 bar (88 p.s.i.)

Fuel tank capacity:  
73.1 litres (16 gallons)

Pipe connections:  
6" BS10 table 'D'

## Material Specifications:

Pump casing, suction cover, separation tank and wearplates:  
Cast iron BS1452, 1977, Grade 220

Impeller:  
Cast steel, 1% chromium to BS 3100, 1976, Grade BW4.  
Minimum Brunell hardness 341 HB

Shaft:  
1½% nickel/chrome steel, BS970, part 2, 1970, 17M40 (EN24T)

NRV Body-Ejector Housing:  
Silicon aluminium BS 1490, Grade LM 25WP

NRV Ball and Seat:  
High nitrile rubber

Mechanical Seal Faces:  
Solid silicon carbide

godwin  
pumps