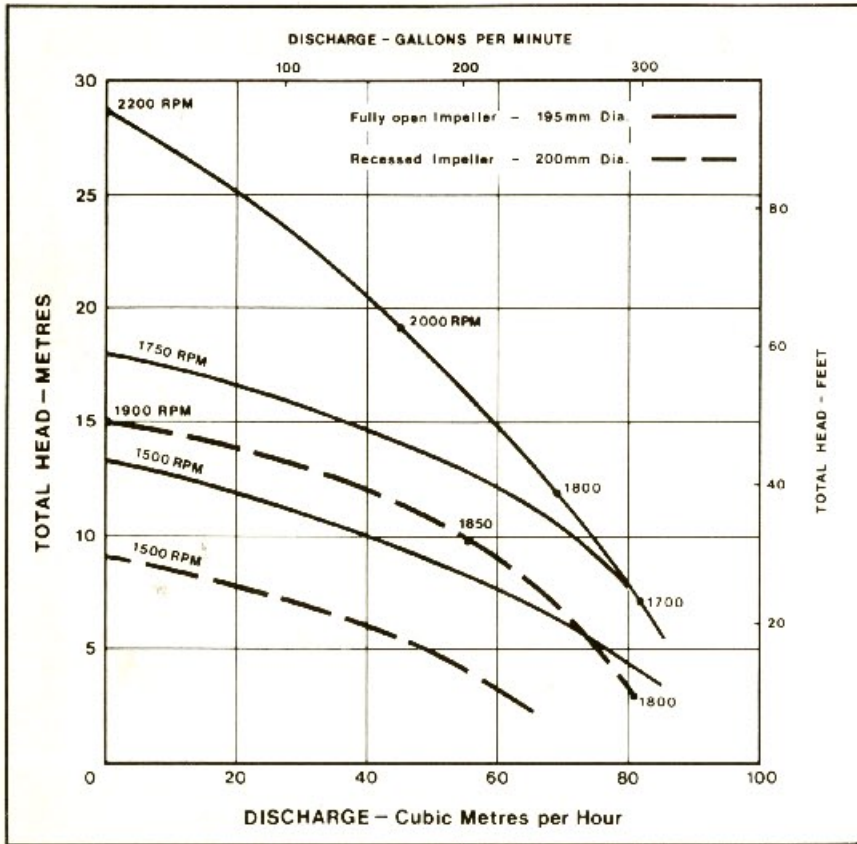


CD 80 Performance Curve



Performance Table

Diesel Set - Lister TS1 6.5 h.p. 1750 r.p.m.
Impeller Diameter - 195 m/m

Total Suction Head - Feet	Total Delivery Head - Feet				
	10	15	20	25	30
10	310	295	275	250	220
15	295	275	250	220	175
20	275	250	220	175	125
25	265	220	175	125	70

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
80 CD/TS 1	1890	835	1205	340

Technical Notes:

Maximum operating speed:
2200 r.p.m.

Maximum operating temperature:
+ 100°C

Maximum working pressure:
2.8 bar (41 p.s.i.)

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

Maximum casing pressure:
4.2 bar (61 p.s.i.)

Fuel tank capacity:
45 litres (10 gallons)

Pipe connections:
3" BS10 table 'D'

Material Specifications:

Pump casing, suction cover, separation tank,
N.R.V. body and wearplates
Cast iron BS1452, 1977, Grade 220

Impeller:
Cast steel BS3100. Spec. BS1
Grade B2

Shaft sleeve and shaft:
Mild steel BS970, 1955, Grade 080M40

Adaptor and ejector housing
Silicon aluminium BS1490,
Grade LM25WP

N.R.V. rubber:
of High nitrile

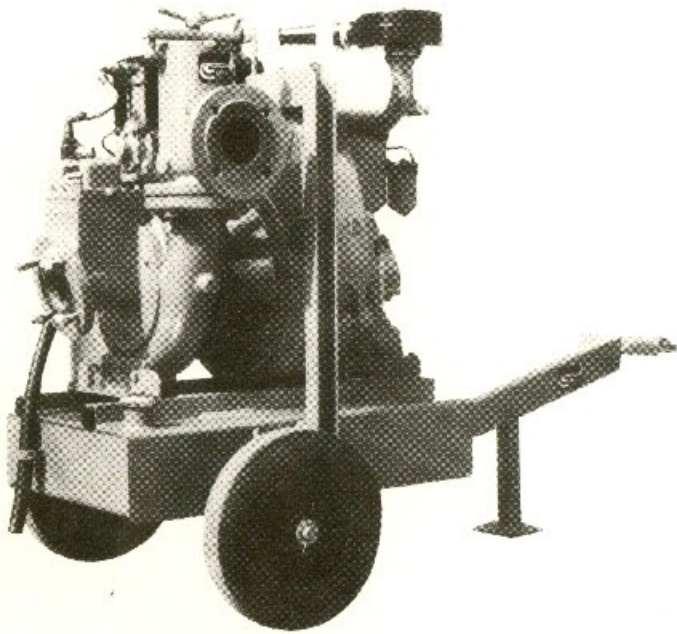
Mechanical Seal Faces:
Solid silicon carbide

Stuart Pumps Ltd

STUART HOUSE · CROWS HALL LANE
ATTLEBOROUGH · NORFOLK · NR17 1AD

Telephone: 44 (0) 1953 454540
Fax: 44 (0) 1953 456968

CD 80 Dri-Prime Pumps



Features:

Close mounted arrangement carrying pump and vacuum priming compressor mounted to a diesel engine (Lister TS1 illustrated).

All metal construction solids handling pump end.

Extensive application flexibility - will handle raw sewage, slurries and liquids with solids up to 40 mm diameter.

Recessed impeller version available.

Continuously operated 'Godwin' patented air ejector priming device requiring no form of periodic adjustment or control.

Dry running, oil lubricated, mechanical seal with high abrasion resistant silicon carbide interfaces.

Solids handling, mushroom non-return valve with quick release access feature.

Compact unit mounted on two wheeled site trolley or two wheeled highway trailer both incorporating integral overnight running fuel tank.

Very simple maintenance - normally confined to checking engine and seal cavity oil levels.

Available with a variety of engines including Lister, Hatz, Petter and Deutz.

Silenced and unsilenced versions can be supplied.

godwin
pumps