HYDRAINER
THE SUBMERSIBLE PUMP COMPANY
SPECIALIST HIRE OF HYDRAULIC AND ELECTRIC SUBMERSIBLE PUMPS

30 Series Super Silenced Diesel Power Pack

Engine

Type	-	Isuzu 4LE1 water cooled indirect injection diesel engine.
HP	-	42.7 h.p. – 31.9 kw continuous at 2700 rpm.
Speed	-	Governed to 2700 rpm off load.
Fuel Consumption	-	9.9 litres/hour at full load.
Fuel Pickup	-	Floating – eliminating silt pick up.
Starting	-	Full electric start as standard.
Noise Emission	-	On full load dB(A)

@1m	@5m	@7m
70	63	58

Chassis

Fuel Tank	-	242 litres Approximately 24 hours consumption on full load.
Length	-	1985mm
Width	-	1135mm
Height	-	1720mm
Weight	-	1600kg full diesel tank.

Hydraulics

System	-	Closed loop – 3 pipe.
Pump Type	-	Variable displacement piston with boost.
Reservoir	-	30 litres (approx.)
Relief Valves	-	High pressure 235 bar-3450 psi Low pressure 29 bar-425 psi.
Suction Filter	-	Spin on to 25 microns.
Return Filter	-	Replacement elements to 10 microns.
Flow	-	Up to 60 l/min.
Pressure	-	Up to 205 bar-3000 psi.
Oil Grade	-	Mineral – ISO 46. Biodegradable – Hydra 46.
Oil Temperature	-	Max.90°C.

Hydraulic Hose

Length	-	10 and 20 metre sets.
Size	-	Flow & return 19mm dia., drain 12mm dia.
Connection	-	Extendable up to 100 metres using bespoke Hydrainer quick release, double sealed locking couplings.

Features

- Closed loop system for efficient compact power transmission & minimum volume of hydraulic oil.
- Enclosed in the reservoir, the variable displacement hydraulic pump gives the Hydrainer submersible pump variable impeller speeds.
- Full flow filters on flow & return lines for long component life.
- High & Low pressure relief valves for maximum safety.
- Simple adjustable ratchet handle controls.
- Automatic engine shut down for low oil level and automatic resetting excessive oil temperature.
- Handed quick release couplings to eliminate incorrect hose connection.
- Easily installed using non skilled labour.

Options

- GSM dialler for automatic phone notification of malfunction.
- Floats enable total automatic operation.

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