

# HYDRAINER

## THE SUBMERSIBLE PUMP COMPANY

SPECIALIST HIRE OF HYDRAULIC AND ELECTRIC SUBMERSIBLE PUMPS

### 20 Series Super Silenced Diesel Power Pack



#### 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.

#### Engine

|                  |   |
|------------------|---|
| Type             | - Isuzu 3CE1 water cooled indirect injection diesel engine. |
| HP               | - 24.2 h.p. – 18.1 kw continuous at 2250 rpm.               |
| Speed            | - Governed to 2250 rpm off load.                            |
| Fuel Consumption | - 5.8 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)<br>@1m @5m @7m<br>68 55 52             |

#### Chassis

|           |   |
|-----------|---|
| Fuel Tank | - 242 litres Approximately 42 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<br>Low pressure 29 bar-425 psi. |
| Suction Filter  | - Spin on to 25 microns.   |
| Return Filter   | - Replacement elements to 10 microns.                            |
| Flow            | - Up to 30 l/min.  |
| Pressure        | - Up to 205 bar-3000 psi.  |
| Oil Grade       | - Mineral – ISO 46.<br>Biodegradable – Hydra 46.                 |
| Oil Temperature | - Max.90°C.  |

#### Hydraulic Hose

|            |   |
|------------|---|
| Length     | - 10 and 20 metre sets.   |
| Size       | - Flow & return 12mm dia.,<br>drain 8mm dia.  |
| Connection | - Extendable up to 100 metres using bespoke Hydrainer quick release, double sealed locking couplings. |

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