

COWANS

COWANS SHELDON

OnTrak-Jet - TJ10 Pump Module

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PUMP UNIT

Pump Type	Woma 325Z P30 - 2000
Nominal Flow	131 lpm
Operating Pressure	1000 Bar
Pumping Medium	Water
NPSH	3 - 5 Bar
Cylinders	3 No.

DIESEL ENGINE

Model	Volvo TWD 1240 VE
Power Output	263 kW nett continuous
Speed	1,000 - 1,800 RPM
Cooling	Water
Cylinders	6 No. Turbo charged
Starting	Electric starter 24volts

WEIGHT AND DIMENSIONS

Length	- 4200 mm
Height	- 2050 mm
Width	- 1570 mm
Weight	- 5400kg

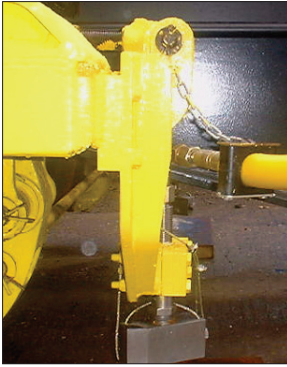
COMPONENTS

75mm High pressure delivery hose with quick release couplers

38mm pump return hose with quick release couplers

Intermodal connecting delivery hose - Low pressure - 75mm flexible rubber hose (interlaced spiral wire support) complete with quick release coupling either end

factsheet



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ENCLOSURE

Complete system mounted into a sound reducing enclosure designed to contain noise levels to 85 dBA at 7 metres under free field conditions. Enclosure supplied with service lighting and hinged type maintenance/access doors. All services points including inlet water, return line and high-pressure outlet terminate at suitably located bulkhead positions, via quick release connectors, final positions to be agreed.

The equipment is afforded additional protection via and an infrared flame detector linked to the engine management system.

RADIO REMOTE CONTROL

Radio control system to permit switching, with the following features: Control Voltage 24DC, Power Supply Voltage 24DC, Frequency Operation 450-470 MHz. The control is from the trainset locomotive, permitting Engine START/STOP, Pump Pressure ON/OFF, option - Sandite ON/OFF. Talkback facility to indicate fire alarm activated, low system operating pressure, low inlet water pressure and one future indication. Capable of 1000 different

CONTAINER BASE UNIT

Type	Large 20ft x 8ft container base generally to UIC 592-20R Category 20
Material	RHS to EN10219 S355 J2H
Surface Finish	Shot Blast SA2½, 2 Coat Epoxy Paint system - Colour - to suit client
Deck Finish	Non-slip floor paint

CONTROL AND MONITORING SYSTEM

PLC control system control panel for operation and engine monitoring. All wiring numbered, crimp finished and to IEE/Railway Group Standards.

Automatic shutdown in case of critical operation on:-

High Oil Temp	Diesel Engine
Low Oil Pressure	Diesel Engine
Low Inlet Pressure	HP Pump
Low Oil Pressure	HP Pump
High Oil Temp	HP Pump
Fire Detection	Diesel Engine

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