

MERLIN H12-30 MARINE PUMP TEST BENCH



The **Merlin H12-30E** Test Stand has been designed principally to test heavy duty in-line, V or single cylinder diesel fuel Injection pumps.

A selection of mobile injector mount/calibration units, cam-boxes and fuel pump mounting brackets are available to enable testing of a variety of pump types.

Options are available in 4, 6, 8, 16 and 18 cylinder capacity.

Remote control panel duplicates motor start/stop, shot-count start/drain and speed control only and is designed to locate either side of test bench bulkhead. When plugged into the socket the relevant controls on the front panel are disabled.

Two 2.5 Kw heater elements are fitted in the test oil tank. Also fitted with a microprocessor-based digital controller with thermo-couple.

INJECTION

Injection is via the **R series** Mobile Cylinder Injector Mounting Unit.

- The unit will accept standard 'T', 'S' and orifice plate test injectors for multi-cylinder fuel pumps.
- A heavy duty damper and valve selector system is incorporated for testing single cylinder fuel pumps.
- Single cylinder test injectors are positioned remotely on a universal fixture mounted on the test bench bed.



TEST EQUIPMENT - Tel: +44 (0) 1772 694185

UK SALES - Tel: +44 (0) 1772 694130

EXPORT SALES - Tel: +44 (0) 1772 694133

EMAIL: testequipment@merlindiesel.com



www.merlindiesel.com



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08/21



H12-30 Specifications

DRIVE MOTOR:	40hp (30kw)
SPEED RANGE:	0-4200 rpm
DISPLAY:	LED & Gauges
MEASURING RANGE:	R series injector mounting units
TEST OIL SUPPLY PUMP:	2280 litres/hr
TEST OIL FEED PRESSURE:	363 litres/hr
LUBE OIL SUPPLY PUMP:	0-7 bar
FLYWHEEL:	Inertia value 4.9 kgm ²
FLOWMETER:	C series calibration units
TACHOMETER:	± 1 rpm with 0.5 seconds update
WATER SUPPLY:	270 litres/hr at 2-3 bar required
TEMPERATURE CONTROL:	0-50°C, ±1° C at 40°C
ELECTRICAL SUPPLY:	380Volts/ 3 Phase/ 50Hz
CALIBRATION FLUID:	Shell Calibration Fluid 4113, now S9365.
WORK TABLE:	175mm Centre height
DIMENSIONS	
HEIGHT:	1530mm
LENGTH:	2640mm
WIDTH:	860mm
WEIGHT:	2000kg

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