



MOBILE HYDRAULIC TEST STAND FOR AIRCRAFT MAINTENANCE **MODEL HT electric driven**

IDEAL FOR

- MAINTENANCE AND OVERHAUL CHECKS OF AMM / ATA CHAPTER 29
- FILLING AND DRAINING OF AIRCRAFT RESERVOIR
- FLUSHING OF AIRCRAFT HYDRAULIC SYSTEM TO CLASS 6 NAS1638 OR BETTER

MODEL

HTM - • - E/1 - ■

HTC - • - E/1 - ■

FLOW RANGE

• = 15 : 0-15 USGPM

OUTPUT

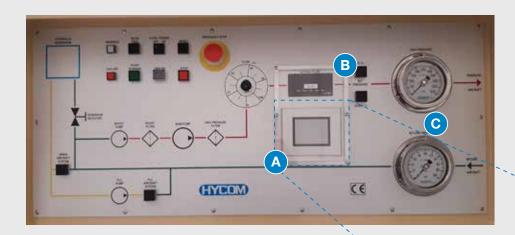
■ = S : SINGLE SYSTEM ■ = S2 : DUAL SYSTEM

FEATURES

- Single system (S): one pressure and one return line or
- Dual system (S2): single system with two pressure and two return lines with shutoff valves
- Axial piston pump variable stroke with proportional control of flow and pressure
- Boost pump for closed loop circuit
- Stainless steel reservoir of 130 liter with drain valve and filling cap
- Fluid contamination level NAS 1638 class 6 or better
- Oil-air cooler with low noise level suitable for tropical conditions
- Open and closed loop configuration suitable for filling and draining of A/C reservoir
- Temperature and boost pressure shut down switches
- Oil sample and calibration points
- De-aeration / flushing valve
- · Operator panel with graphic layout, digital display with maintenance and failure indication given in clear text
- Controlled by a PLC system with safety devices and switches
- Flow setting by potentiometer. Display will indicate the value of actual flow
- Pressure setting by push buttons + and -
- 3000 psi pre-selection push button
- Hydraulic and electric components completely isolated from each other
- Weather proof cover for operator panel
- · Canopy out of steel, spray painted
- Doors for easy maintenance
- Heavy duty frame with drip tray
- Lifting points, tie down and fork lift pick-up points
- Maximum towing speed 16 km/h
- Parking brake on front wheels by tow bar in upright position



OPERATOR PANEL



- A Digital display with failure and maintenance notifications
- **B** Digital readout of acutal flow
- C High and return pressure gauges



Oil temperature 42.3° HPU Reservoir 172Liter

TECHNICAL DATA

GENERAL

Main power supply cable12 meterHydraulic hoses – single system9 meterHydraulic hoses – dual system12 meter

Noise level less than 75 dbA at 1 meter distance

HYDRAULIC

Fluid HTM Mineral based e.g. MIL-H-83282 or MIL-H-87257
Fluid HTC Phosphate ester based e.g. Skydrol or Hyjet

300-3000 psi at 15 USGPM, 4000 psi at reduced flow

High (3 micron), low pressure (10 micron) and fill (3 micron) filters with electric clogging indicators

MEASUREMENT

High pressure gauge 0-5000 psi

Accuracy 1% of full scale

Return pressure gauge 0-200 psi

Accuracy 1% of full scale

Digital readout of actual flow Accuracy of < 2% of measured value

POWER

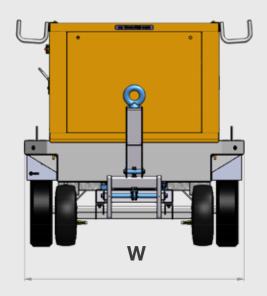
Supply 3 Ph. 400 V – 50 Hz, other on request

 Current
 41,5 A - 50 Hz

 Electric motor
 22 kW - 50 Hz



DIMENSIONS & WEIGHT





LENGTH2600 mmWIDTH1740 mmHEIGHT1650 mm

WEIGHT approx. 1600 kg

POSSIBLE OPTIONS

Z = Quick disconnect couplings to connect hoses to the aircraft

H = High accuracy flowmeter, 0,3% of actual value

Other options and accessories are available upon request.

IMAGES







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