



HYCOM DATASHEET

MOBILE HYDRAULIC TEST STAND FOR AIRCRAFT MAINTENANCE
MODEL HT2000 engine 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
- HYDRAULIC SUPPLY FOR RAT TESTS WITH HYCOM GROUND CHECK MOTOR

MODEL

HT2000 - ● - F - ■ - X350

FLOW RANGE

- = 1 : 0-50 USGPM
- = 2 : 0-55 USGPM
- = 3 : 0-60 USGPM

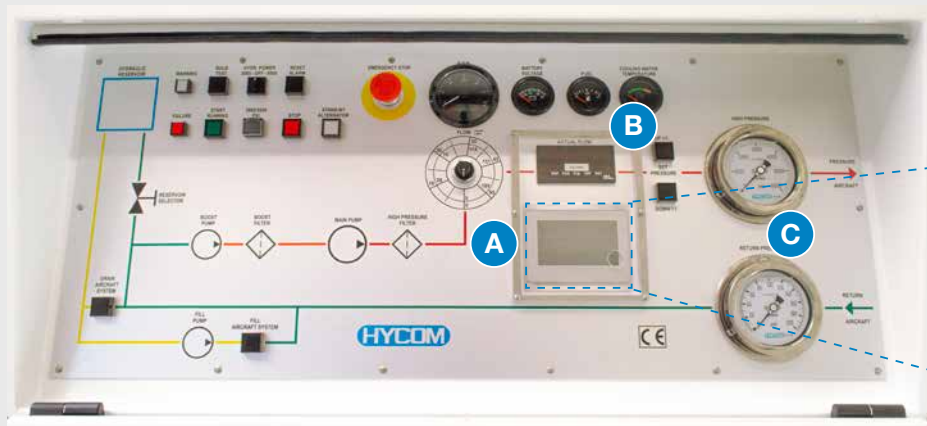
OUTPUT

- = 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
Side 1 output 3000 psi, side 2 output 5000 psi
Full automatic safety feature to avoid applying 5000 psi on 3000 psi aircrafts
- Axial piston pump variable stroke with proportional control of flow and pressure
- Boost pump for closed loop circuit
- Stainless steel reservoir of 240 liter with drain valve and filling cap (300 liter for model HT2000-3)
- Large fuel tank for 8 hours operation
- Fluid contamination level NAS 1638 class 6 or better
- Oil-air cooler with low noise level suitable for tropical conditions
- Open loop configuration for filling and draining of A/C reservoir and RAT tests
- Temperature and boost pressure shut down switches
- Oil sample point
- 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 –
- 3000/5000 psi pre-selection push button
- Hydraulic compartment, diesel engine and electric components completely isolated from each other
- Weather proof cover for operator panel
- Canopy out of steel, spray painted with phosphate-ester resistant paint
- 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

FEATURES



Aircraft Reservoir selected
Oil temperature **42.3°**
HPU Reservoir **172** Liter

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

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TECHNICAL DATA

GENERAL

Main power supply cable:	12 meter
Hydraulic hoses:	10 meter
Noise level:	less than 83 dbA at 1 meter distance

HYDRAULIC

Fluid phosphate ester based e.g. Skydrol or Hyjet
300-5000 psi at 50-55-60 USGPM

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

MEASUREMENT

High pressure gauge	0-6000 psi Accuracy 1% of full scale
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Return pressure gauge	0-200 psi Accuracy 1% of full scale
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Digital readout of actual flow suitable for TARAN or ITCAN leak test procedures.
Accuracy of 0,3% of measured value

POWER

Engine	Deutz 6-stroke Tier II
Power	186 kW at 1800 rpm

DIMENSIONS & WEIGHT



LENGTH	3800 mm
WIDTH	2250 mm
HEIGHT	1940 mm
WEIGHT	approx. 4500 kg

POSSIBLE OPTIONS

- Z =** Quick disconnect couplings to connect hoses to the aircraft
- PUR =** Purifier for filtering, degassing and dewatering
- PC =** Particle counter and water sensor
- T4 =** Emission standard diesel engine Stage V / Tier IV Final

Other options are available upon request.

IMAGES





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