**HC0952**

Mobile hydraulic ground test unit

ABC hydraulic ground test units (HGTU) are suitable for:

- AMM/ATA29 maintenance and overhaul tests on aircraft hydraulic system
- Filtering the aircraft hydraulic system for decontamination
- Refilling and draining the aircraft hydraulic system

The HGPU model MTH0952 replaces the aircraft hydraulic power unit and it enables to perform on ground maintenance operations. It is designed for hangar applications with focus on simplicity to operate and maintain.

<table>
<thead>
<tr>
<th>HGTU Models</th>
<th>Flow</th>
<th>Pressure</th>
<th>Max pressure</th>
<th>Max hyd. power</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEH0952 Electric-driven</td>
<td>2x14.5 usgpm</td>
<td>3000 psig</td>
<td>5000 psig</td>
<td>87 000 usgpm * psig</td>
</tr>
<tr>
<td></td>
<td>2x55 lpm</td>
<td>210 bar</td>
<td>345 bar</td>
<td>23 000 lpm * bar</td>
</tr>
<tr>
<td>MTH0952 Thermal-driven</td>
<td>20 usgpm</td>
<td>3000 psig</td>
<td>5000 psig</td>
<td>87 000 usgpm * psig</td>
</tr>
<tr>
<td></td>
<td>75 lpm</td>
<td>210 bar</td>
<td>345 bar</td>
<td>23 000 lpm * bar</td>
</tr>
</tbody>
</table>

Two circuits
0 to 14.5 Usgpm
0 to 55 l/min

Mineral

AIRCRAFT MODELS

- Aermacchi MB-339
- Antonov AN12
- Harrier
- Hawk
- Hawker
- Falcon 10/20/50
- Etendard IV / Super Etendard
- Mirage III / F1 / Jaguar
- Alpha jet
- Tucano / Xingu EMB321
- Fokker 27/28/50
- C130
- P3 Orion
- F5/F20
- Eurocopter range
- Chinoock CH147
- S76/S70
- Lynx / SeaKing
- And
- All other aircraft with hydraulic characteristics complied with this HGPU
Main Characteristics

The chassis is made of a welded painted structure movable thanks to four wheels with a drawbar for towing and braking. The cart can be towed up to 25 km/h (15 mph) on surface road. The complete hydraulic system is mounted on a special tray to collect possible leaks and thus help preserve the environment. A blue-grey heavy steel canopy protects the internal system.

Pressure and flow pre-settings are operated by means of potentiometers.

This cart enables filling and draining of aircraft hydraulic reservoirs and it is suitable for any aircraft equipped with open-air, pressurized or self-pressurized hydraulic reservoirs.

OVERALL DIMENSIONS

- Ground clearance: 210mm
- Hydraulic hoses: 10 meters (without aircraft quick-disconnect)
- Power supply cable: (electrical) 10 meters (without plug)
- Forkliftable

OPERATING CONDITIONS

- Operating temperature: from -30°C to +50°C
- Operating altitude: Up to 1600m
- Outdoor use (Rainproof)
- Easily movable by two operator
- Temperature: +1°C

Hydraulic parameters

- Mineral oil based HGTU such as MIL-PRF-5606, MIL-PRF-83282, (other upon request)
- Single power system with two independent supply lines and two return lines
- Axial piston pump with variable stoke technology
- Pressure range: adjustable from 500 to 5000 psi upon pressure manometer
- Flow range: up to 2x14.5 usgpm upon visual flow indicator
- Return pressure up to 110 psi
- Non-stop fluid decontamination level in class 4 (or better) upon NAS 1638 standards
- Air/Oil heat exchanger with low noise level
- 40 usgallon (150 liter) reservoir capacity

Standard accuracy (other upon request)

- Pressure gauge: Class 0.5/1.6
- Flowmeter: Class 0.5
- Sound level: less than 80 dbA
- Hourmeter
- Temperature: +1°C

Options available (other upon request)

- BB: A selector valve allows the operator to work on aircraft reservoir mode or on HGTU reservoir mode for fluid transfer
- SD: A specific degassing system for dehydration (water) and degassing (air) in the fluid.
- BR: A flushing unit for cleaning the hydraulic cart (maintenance purpose)
- QD: Aircraft quick-disconnect
- TY: Hydraulic hose length 15 meters
- EC: Electrical cable length 12 meters
- CP: Connectors to connect an external particle counter
- PP: Sampling port
- ML: A specific device for slow operations controlled through a remote control and precise check of locking pressure of the aircraft landing system

To order:

MTH0952-TY-QD

Option
- Thermic
- Mineral

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