



AIRCRAFT HYDRAULIC GROUND SUPPORT EQUIPMENT

AIRCRAFT MODEL

Wide and narrow body commercial aircraft

Atr 42

Atr 72

And all other aircraft with hydraulic characteristics complying with this HGPU

HC1004EP

Hangar movable hydraulic ground test unit



ABC hydraulic ground power units (HGPU) 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 HC1004EP 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.



HGPU Models	Flow	Pressure	Max pressure	Max hyd. power
HC1004EP	2 usgpm	3000 psig	4350 psig	6 500 usgpm * psig
	8 lpm	210 bar	300 bar	1 680lpm * bar

*Indicated measurements may vary by +/-2%

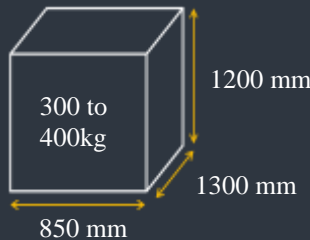


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OVERALL DIMENSIONS



Hydraulic hoses :

- 6 meters (without aircraft quick-disconnect)

Power supply cable:

- 10 meters (without plug)

OPERATING CONDITIONS

- Operating temperature:
 - o from -20 to +50°C
- Power supply:
 - o 3x400V, 50Hz, + ground
 - o Power 5.5 kW
- Commands circuit upon 24V (safety voltage)
- Pressure gauge Bar/Psi: Class 1
- Sound level: less than 72 dbA
- Hourmeter
- Temperature

Main Characteristics

The chassis is made of a stainless steel structure movable thanks to two locking swivel casters and two rigid ones. The side panels are made of stainless steel material. One lateral panel is an aluminium basket for stowing hydraulic hoses. All commands offer easy access and a user-friendly interface. The complete hydraulic system is mounted on a special tray to collect possible leaks and thus help preserve the environment.

Hydraulic parameters Options available (other upon request)

- ✦ Esther phosphate oil based HGPU such as HYJET, SKYDROL standards type IV and V
- ✦ Single power system with one supply line and one return line
- ✦ Radial piston pump
- ✦ Pressure range: up to 3000 psi upon pressure manometer Class 1
- ✦ Flow range: up to 2.1 usgpm upon visual flow indicator
- ✦ Non-stop fluid decontamination level in class 5 (or better) upon NAS 1638 standards using filter with clogging indicator (4µ)
- ✦ Air/Oil heat exchanger with low noise level
- ✦ 8 us gallon reservoir capacity
- ✦ Jerrican reservoir capacity 10l
- ✦ HP particle plug test
- ✦ PM: A hand pump is mounted on the HP line
- ✦ DC: A second hydraulic supply line with a return line
- ✦ BR: A flushing unit for cleaning the hydraulic cart (maintenance purpose)
- ✦ D03: A better accuracy for flow with a flowmeter and a display calibrated in class 1
- ✦ Option Ucc (particle counter)
- ✦ TY: extra length 10m hydraulic hoses
- ✦ EC: extra length 30m electrical cable
- ✦ F05: Flowmeter: Class 5 of the reading value & Flow regulator
- ✦ QD: Aircraft quick-disconnect



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