



AIRCRAFT HYDRAULIC GROUND SUPPORT EQUIPMENT

AIRCRAFT MODELS

DASSAULT
 FALCON 7X
 FALCON 5X SMS
 FALCON 10/ 20/50
 FALCON 900/900EX
 FALCON 2000/2000LX

And all other aircraft with hydraulic characteristics complying with this HGPU



HC 2000

Mobile hydraulic ground power 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

Three circuits

**up to 19 Usqpm
 up to 73 l/min**

Mineral

The HGPU model HC 2000 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.

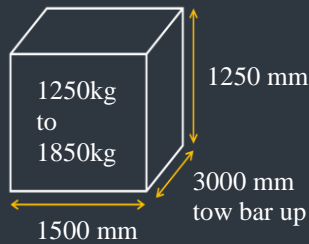
HGTU Models	Flow	Pressure	Max pressure	Max hyd. power	
HC 2000 Electric-driven	19.3 usqpm 73 lpm	3000 psig 210 bar	5000 psig 345 bar	57 900 usqpm * psig 15 330 lpm * bar	
System A	up to 19.8 usqpm up to 73 lpm		3000 psig 210 bar	5000 psig 345 bar	
System B	up to 19.8 usqpm up to 73 lpm		3000 psig 210 bar	5000 psig 345 bar	
System C in option	4.75 usqpm Max 18 lpm Max		3000 psig 210 bar	5000 psig 345 bar	

*Indicated measurements may vary by +/-2%



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OVERALL DIMENSIONS



Hydraulic hoses:

- 10 meters (without aircraft quick-disconnect)
- Power supply cable: 10 meters (without plug)

OPERATING CONDITIONS

Operating temperature: from +10°C to +45°C

Indoor use (maintenance hangar)

Easily movable by one operator

Forkliftable

Power supply: 3 x 400V, 50Hz, +Ground (other upon request)

Power 37 Kw

Commands circuit upon 24V (Safety voltage)

Main Characteristics



The chassis is made of a stainless steel 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 rainproof polyester material canopy protects the internal system. A control panel integrates all the commands for the monitoring of the hydraulic cart. Pressure and flow pre-settings are adjustable. **Specific degassing system with fluid level regulation system.**

Standard accuracy (other upon request)

- ✦ Pressure gauge: Class 1
- ✦ Flowmeter: Class 1
- ✦ Sound level : less than 75 dbA
- ✦ Hourmeter
- ✦ Temperature: +-1°C

Options available (other upon request)

- ✦ **BR** : A flushing unit for cleaning the hydraulic cart (maintenance purpose)
- ✦ **QD** : Aircraft quick-disconnect
- ✦ **CP** : Connectors to connect an external particle counter
- ✦ **PP** : Sampling port
- ✦ **EC** : Electrical cable length 20 meters
- ✦ **TY** : Hydraulic hose length 15 meters
- ✦ **ML** : A specific device for slow operations controlled through a remote control and precise check of locking pressure of the aircraft landing system.
- ✦ **MR** : Display of the return pressure

Hydraulic parameters

- ✦ Mineral oil based HG TU such as MIL-PRF-5606, H515, Air3520B standards (other upon request)
- ✦ Single power system with three supply lines and three return lines
- ✦ Constant pressure axial HP piston pump with variable displacement technology
- ✦ Pressure range: adjustable up to 3000 psi / max 5000psi at reduced flow upon pressure manometer
- ✦ Flow range: up to 73l/min 19.2usgpm upon visual flow indicator
- ✦ Non-stop fluid decontamination level in class 4 (or better) upon NAS 1638 standards using filter with clogging indicator
- ✦ Air/Oil heat exchanger with low noise level
- ✦ 26 usgallon (100 liter) reservoir capacity

To order:

HC2000 - M - E - 25 - TY - QD

