



# AIRCRAFT HYDRAULIC GROUND SUPPORT EQUIPMENT

## AIRCRAFT MODELS

GULFSTREAM  
G 650

And all other aircraft with hydraulic characteristics complying with this HGPU



## HC 1208

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

The HGPU model HC 1208 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.

### Two circuits

up to 34 Usgpm  
up to 130 l/min  
Ester phosphate

HGTU Models	Flow	Pressure	Max pressure	Max hyd. power	
HC 1208 Electric-driven	2*34 usgpm	3000 psig	5000 psig	204 000 usgpm * psig	
	2*130 lpm	210 bar	345 bar	54 600 lpm * bar	
System A	up to 34 usgpm		3000 psig	5000 psig	
	up to 130 lpm		210 bar	345 bar	
System B	up to 34 usgpm		3000 psig	5000 psig	
	up to 130 lpm		210 bar	345 bar	

\*Indicated measurements may vary by +/-2%

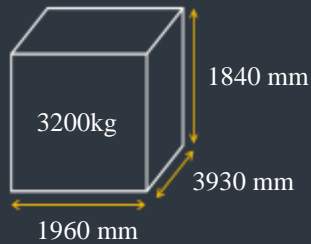


Appareillages et  
Bancs hydrauliques  
Châtelleraudais  
33 rue Joseph Cugnot  
86100 Châtelleraut  
France  
☎ +33 (0)549 200 369  
☎ +33 (0)549 854 509  
✉ contact@abc-essais.com  
www.abc-essais.com



# AIRCRAFT HYDRAULIC GROUND SUPPORT EQUIPMENT

## 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 163 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 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.

## Standard accuracy (other upon request)

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

## Hydraulic parameters

- ✦ Esther phosphate oil based HGPU such as HYJET, SKYDROL standards type IV and V
- ✦ Double power system with double supply lines and two 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 130l/min 34usgpm 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
- ✦ 80 usgallon (300 liter) reservoir capacity

## 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 14 meters
- ✦ **EH** : Manual reel for storage of hydraulic hoses

To order:

**HC1208 - E - TY - QD**

Option

Electrical



Appareillages et Bancs hydrauliques Châtelleraudais  
 33 rue Joseph Cugnot  
 86100 Châtelleraudais  
 France  
 ☎ +33 (0)549 200 369  
 ☎ +33 (0)549 854 509  
 ✉ contact@abc-essais.com  
 www.abc-essais.com