



AIRCRAFT HYDRAULIC GROUND SUPPORT EQUIPMENT

AIRCRAFT MODEL

AGUSTA A109
AGUSTA Mark II

BAe Jetstream

BEECHCRAFT Beechjet
BEECHCRAFT Diamond
BEECHCRAFT Hawker 1000
BEECHCRAFT HS-125series
BEECHCRAFT JPATS T-6A- Texan II

BELL 204
BELL 205
BELL 206
BELL 212
BELL 222

BELL 230
BELL 412
BELL 427
BELL 429
BELL 430
BELL UH-1

CESSNA 310
CESSNA 320
CESSNA 337 Skymaster
CESSNA 340
CESSNA 411
CESSNA 414
CESSNA 421

CESSNA Citation 650
CESSNA Citation CJseries
CESSNA Citation III
CESSNA Citation VI
CESSNA Citation VII

DASSAULT Falcon 10,20,50,200
Falcon F900 , F2000

DORNIER Metro Merlin

EMBRAER EMB-110/ EMB-120

EUROCOPTER BK-117 (EC145)
EUROCOPTER BO-105
EUROCOPTER SA330 Puma

GULFSTREAM
Aero Commander
Turbo Commander

LEARJET
23 / 24 / 31 / 31A / 35 / 55 / 60 C-21
LEARJET 35
LEARJET 55
LEARJET 60
LEARJET C-21

And all other aircraft with hydraulic characteristics complying with this HGPU

OSEO – E - series

Hangar movable hydraulic ground power unit



ABC hydraulic ground power units (HGPU) are suitable for:

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

2 to 9 Usqpm
6 à 36 l/min

Mineral
Or
Ester Phosphate

The HGPU model Oseo-series 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.

Four versions are available according to aircraft applications:

HGPU Models	Flow	Pressure	Max pressure	Max hyd. power
Oséo-2	2 usqpm	3000 psig	4000 psig	6 000 usqpm * psig
	6 lpm	210 bar	280 bar	1 260lpm * bar
Oséo-6	6 usqpm	3000 psi	4000 psig	18 000 usqpm * psig
	22 lpm	210 bar	280 bar	4 620lpm * bar
Oséo-9	9 usqpm	3000 psi	4000 psig	27 000 usqpm * psig
	36 lpm	210 bar	280 bar	7 560lpm * bar

*Indicated measurements may vary by +/-2%

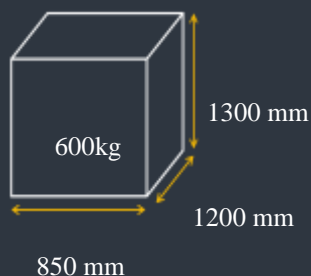


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AIRCRAFT HYDRAULIC GROUND SUPPORT EQUIPMENT

OVERALL DIMENSIONS



Hydraulic hoses:

- 5 meters (without aircraft quick-disconnect)

- Power supply cable : 10 meters (without plug)

OPERATING CONDITIONS

Operating temperature: from +10°C to +40°C

Indoor use (maintenance hangar)

Easily movable by one operator

Forkliftable

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

Power 7kW to 22 Kw commands circuit upon 24V (Safety voltage)

Main Characteristics



The chassis is made of stainless steel painted structure movable thanks two locking swivel casters and two rigid ones. The side panels are made of stainless steel and aluminium material. One lateral panel is an aluminium basket to stow hydraulic hoses. All commands are simple to operate with a code colour: **red** for supply line and **yellow** for return line. The complete hydraulic system is mounted on a special tray to collect possible leaks and thus help preserve the environment.

Standard accuracy

(other upon request)

- ✦ Pressure gauge: Class 1
- ✦ Flowmeter: Class 5
- ✦ Sound level: less than 75 dbA
- ✦ Hourmeter
- ✦ Temperature: Class 2

Hydraulic parameters

- ✦ Mineral oil based HGPU such as MIL-PRF-5606, MIL-PRF-83282, MIL-PRF-87257 standards (other upon request)
- ✦ Single power system with one supply line (red) and one return line (yellow)
- ✦ Axial piston pump with variable stroke technology
- ✦ Pressure range: adjustable up to 3000 psi / max 4000psi at reduced flow upon pressure manometer
- ✦ Flow range: up to 2/9 usgpm upon visual flow indicator
- ✦ A selector valve allows the operator to work on aircraft reservoir mode or on HGTU reservoir mode for fluid transfer
- ✦ Non-stop fluid decontamination level in class 5 (or better) upon NAS 1638 standards using filter with clogging indicator
- ✦ Air/Oil heat exchanger with low noise level
- ✦ Connectors for connecting an external particles counter
- ✦ 16 usgallon (60 liter) reservoir capacity

Options available

(other upon request)

- ✦ **DC** : A second hydraulic supply line with a return line
- ✦ **BR** : A flushing unit for cleaning the hydraulic cart (maintenance purpose)
- ✦ **P05** : A better accuracy for pressure with a pressure transducer and a display calibrated in class 0.5
- ✦ **D05** : A better accuracy for flow with a flowmeter and a display calibrated in class 0.5
- ✦ **QD** : Aircraft quick-disconnect
- ✦ **TY** : Hydraulic hose length 10 meters
- ✦ **EC** : Electrical cable length 15 meters
- ✦ **PP** : Sampling port

To order: (example)

OSEO - M - E - 9 - TY - QD



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