

Designation : **STATIC GROUND POWER UNIT**
for aircraft maintenance

Input 400Vac 3-phase 50 or 60 Hz

Output 200 Vac 3-phase 400Hz 20 KVA and 28 Vdc 300

Type : **COVALT 3 x 200V / 400 Hz & 28V / 300A**

Product code : **SEEL011433**



➔ **Presentation :**

- **Our Ground Power Unit integrates a frequency converter and DC power supply in a mobile casing**
- **Manually or mechanically towed**
- **Civilian or military models**
- **Models from 10 to 120KVA for fixed or mobile version**

FC-COVALT-400HZ-20KVA-28V-300A-EN-A

➤ **Equipment presentation:**

The equipment **COVALT 3x200V/400Hz – 28Vdc/300A** is a **MOBILE STATIC CONVERTER** for the aircraft maintenance.

Equipment composition :

- Mobile platform assembled on solid wheels, nose wheel steering with coupling bar for manoeuvre by an operator or a tractor.
- Energy conversion cell 3 x 200V 400Hz
- Energy conversion cell 28Vdc 300A
- Central operating, setting and signalling console.
- Cables set to connect 50Hz supply network and 3 x 200V 400Hz and 28Vdc uses
- Two side pans for cable storage

➤ **Technical characteristics:**

➤ **Input:**

Voltage supply: 3 x 400 VAC $\pm$ 10% 3-phase

Frequency: 50 or 60 Hz

Electric current requirement at rated power: 58 Amps

Maximal electric current requirement at starting: 133 Amps

➤ **Output:**

3 x 200Vac 400Hz use :

Rated voltage : 115 / 200Volts $\pm$ 1,5 %

Rated frequency : 400Hz

Rated power: 20KVA $\cos \phi$ 0,8 to 1

Global distortion rate in voltage < 3 %

Individual distortion rate in voltage < 2 %

Voltage and frequency modulation: Standard NF EN 2282

28Vdc 300A / 1500A use:

Rated voltage (cables end): 28V $\pm$ 0,5 Volts

Voltage setting range: 18V à 33V

Rated intensity: 300 Amps

Starting intensity: 1500A /2sec – 600A / 10sec

5 intensity limitation selections: 400A – 800A – 1000A – 1400A – Without limitation

Residual ripple: Standard NF EN 2282

➤ **Links and connections:**

AC supply:

1 flexible cable 4 wires (3 phases + earth wire), 16 mm², 20 m length with HYPRA 63A connection plug

Use 3 x 200 VAC 400 Hz :

5 flexible cables assembled (3 x phases + Neutral + E and F signals), 5 x 35 mm² + 2 x 2,5 mm², 10 m length with plug according to NFL 54-565

Utilisation 28 Vdc 300A / 1500 A :

2 soft cables 1 conducting (polarities +/-), 2 x 120 mm², 10 m length with plug according to NFL 54-555

➤ **Characteristics:**

Overall length: 2,14 m Overall width :1,37 m Overall height: 1,30 m

Weight (cables et accessories included) : 740 kg (+/-15kg) Outside permanent operating

➤ **Acoustics characteristics :** Noise level at maximal power < 65dBA

➤ **Climate characteristics :** Ambient temperature : -20°C to +50°C

The information contained in this publicity leaflet are not of a contractual nature. ENAG reserves the right to amend the technical details of its products without advance notice. Please consult us before installing the units.

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