

# AIR CABIN HEATER type CR

*Aircraft Electric Air Cabin Heater type CR  
70kW Heating power*



- ⇒ 100% electric
- ⇒ Integrated automatic temperature control as per IATA AHM973 standard :
  - ✓ night stop +5°C
  - ✓ passenger comfort +15°C

## Main characteristics of CR70

Output air temperature	Adjustable, maximum temperature increase of 60°C
Air flow	Max. 5 000 m <sup>3</sup> /h
Thermal power	70kW – 260 000 BTU/h
Electrical Motor (fan motor)	18,5 kW
Temperature regulation	± 2,5°C
Weight	1000 kg



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### Power supply - Motor

- ❑ Input current: 50Hz/400V three phases + ground
- ❑ Power cable of length 32m – 4x25mm<sup>2</sup>
- ❑ Asynchronous Leroy Somer motor –18,5kW
- ❑ Centrifugal ventilator – 3 000 rpm

### Heating

- ❑ Heating capacity: 76 kW max.
- ❑ Air flow, max. 5 000 m<sup>3</sup>/h depending on aircraft counter-pressure
- ❑ Temperature increase, max 60°C
- ❑ Temperature regulation  $\pm 2,5^{\circ}\text{C}$
- ❑ GUINAULT electronic PCB control board for temperature and air flow regulation

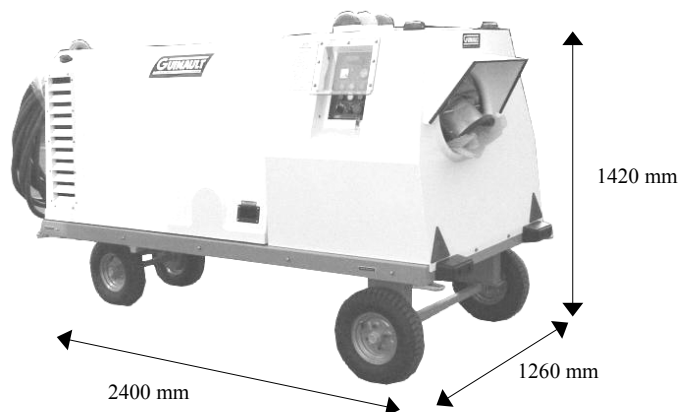
### Safeties

- ❑ Electrical motor overheating
- ❑ Electrical failure
- ❑ Overheating

### Outputs

- ❑ 1 air hose length 10m  $\varnothing$  200mm with standard coupling ISO1034

### Dimensions



### Main assembly

- ❑ Steel frame and sound proofed polyester canopy
- ❑ Leading front axle with ball bearing
- ❑ Automatic braking when tow-bar is raised or lowered
- ❑ Air hose storage compartment

### Options

- ❑ Automatic temperature regulation: automatic start-stop of the heater
- ❑ Additional roof beacon lights

### Operation

- ❑ Standard operating temperature : - 25°C to +35°C
- ❑ Automatic heating regulation in two modes (IATA standard AHM973):
  - Anti-freeze mode for aircraft night stop ( T of +5°C in cabin)
  - Passenger comfort, aircraft cabin temperature of +15°C
- ❑ Indoor and outdoor use