

# CRYOX

## TECHNICAL SPECIFICATIONS



### CRYOX® 2-staged Unit

Nominal current: 16A

Nominal voltage: Three Phase 380-420V AC 3Ph/N/PE, 50Hz

Nominal power: 4,5kW

EMC directive 2014/30 / EU

Machinery directive 2006/42 / EG

Low voltage directive 2014/35 / EU

### Applied guidelines:

- Directive 2006/42 / EC on machinery (Machinery Directive). According to Annex I, Section 1.5.1 of the Machinery Directive, the protection goals of Directive 2014/35 / EU relating to electrical equipment for use within certain voltage limits (low-voltage directive) are also covered
- Directive 2014/30 / EU on electromagnetic compatibility (electromagnetic compatibility directive)

### The following standards and technical specifications apply:

- EN ISO 12100: 2010 Safety of machinery - General principles for design - Risk assessment and risk reduction
- EN 60204-1: 2018 Safety of machines - Electrical equipment of machines - Part 1: General requirements
- EN 61439-1: 2011 Low-voltage switchgear and control gear assemblies - Part 1: General specifications
- EN 61439-2: 2011 Low-voltage switchgear and control gear assemblies - Part 2: Power and switchgear assemblies

### External dimensions of the cold chamber:

- Length: 1600 mm
- Width: 1275 mm
- Height: 2416 mm
- Weight: 700 kg

### External dimensions of the Aermec cooling unit:

- Length: 1124 mm
- Width: 428 mm
- Height: 1020 mm
- Weight: 103 kg (empty)

### The room should meet the following conditions:

- Area: at least 6 m<sup>2</sup>
- Door width: at least 85 - 90 cm
- Room height: at least 250 cm
- Ambient temperature: 16 - 20°C. Relative humidity max. 30%.
- The system must stand on a level surface with a maximum incline of 0.5%

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## Electrical data:

- Supply voltage 3 phases: 380 - 420 V AC 50 Hz 3x C 16A (heavy current) - Importance of a C fuse
- Residual current circuit breaker 300 mA Type B
- Rated power: 4,5 kW

## Noise:

The noise level of the external cooling unit is 40 dB under full load.

## Connecting the cold chamber:

To connect the cold chamber to the external cooling unit, 2 holes are to be drilled through the wall, with a diameter of 6 cm and a distance of 5 - 7 cm apart.

## Power consumption:

- Maximum power of the device in cooling mode: 4,5 kW
- Maximum power of the device in heating or drying mode (overnight): 200 W
- Power supply of the Aermec cooling unit: 400 V 50 Hz, 16 A power socket
- Mains voltage: 400 V
- Mains frequency: - 50/60 Hz

