



Tender specification ALIGA-EST Food Energy saving door

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ALIGA-EST Food Energy saving door

Vertical rapid action door for deep-freeze areas with temperatures as low as -30°C , especially for use in the food and hygiene sector. Developed according to the requirements of DIN 1672 for „Hygienic Design”, there are many details for manufacturers to consider: from the choice of materials to the individual system components. As all mechanical components are made of V2A stainless steel, the ALIGA-Rapida: Food is resistant to all cleaning agents commonly used in the food industry.

Opening speed: Adjustable up to approx. 2.5 m/s.

Closing speed: Approx. 1.5 m/s.

Door size

Width = max. 5.000 mm

Height = max. 5.000 mm

For a clear passage opening: Width mm x Height mm

Mechanical components

Door system designed as a self-supporting construction.

Side parts: Two-part (wall and cover guide end) V2A stainless steel.

Rubberised tubular steel shaft, including V2A stainless steel axle bolts, (bearing brackets, lugs).

The main shafts are synchronously connected to each other via a gear unit.

The rapid action door has two main shafts with two door curtain layers each.

Door Curtains

The outer door curtain layers are made of reinforced PES fabric RAL 7016. The inner door curtain layers are made of foam. This high-density material is specially manufactured and provides excellent insulation. Heating is provided by the waste heat from the drive. In addition, an electric heater is integrated; this ensures a temperature of $+2^{\circ}\text{C}$ outside operation.

Drive and control unit

Frequency converter door control with digital display.

Adjustable: Hold-open times, pre-warning function, traffic light control, pulse and automatic function.

OPEN – STOP – CLOSE membrane keypad on housing cover. Emergency stop switch.

Slots for optional plug-in card modules (e.g. radio or inductive).

Other pulse generators can be connected (e.g. radar, light barrier).

Adjustment of the end positions possible via a digital limit switch of the door control.

Electrical supply: Supply voltage 230 V, 16 ampere back-up fuse Euro CEE.

Safety

The closing edge is protected by a safety contact strip and four safety light barriers for the passage of people.

Space required

Lintel area (A) up to 4500 mm door height: 800 mm, from 4501 mm door height: 900 mm.

Bearing side (B) 400 mm.

Drive side (C) 400 mm.

Services provided by the customer per door

Supply line 230 V, 16 A fused, miniature circuit breakers suitable for frequency converter controls.

CEE socket 16 A to the left of the door 800 mm from the clear opening from OKFF to 1100 mm.

Forklift provision for unloading and for the entire assembly period

Wall connection in accordance with our specifications and building connection after installation; floor heating in accordance with our specifications,

Attention!

Before commissioning the freezer room or freezer hall and the associated temperatures in the freezer area, it is absolutely necessary to supply the ALIGA-EST with power in order to guarantee the function of the built-in heating elements. Otherwise ice may form; this can lead to malfunctions and damage to individual parts or the entire door. Failure to comply will invalidate the warranty.

Warranty

- On mechanical, non-rotating parts: 60 months if a maintenance contract is concluded (without maintenance contract: 24 months).
- On mechanical, rotating parts: 24 months or 120,000 load cycles.
- On wear parts and electronic components: 6 months or 120,000 load cycles.



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Required space
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