



Tender specification ALIGA-Rapida Cooler Food

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ALIGA-Rapida Cooler Food

The newly developed ALIGA-Cooler Food is suitable for use in fresh and cold rooms as cold as 0°C. It combines the advantages of a rapid action door with the positive properties of an insulating door. 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. Because all mechanical components are made of V2A stainless steel, it is resistant to cleaning agents 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. 5.500 mm

Height = max. 5.500 mm

For a clear passage opening: Width mm x Height mm

Mechanical components

Side parts: Self-supporting side parts, two-part (wall part and cover rail), in V2A stainless steel with additional vertical seal. Additional seal in the lintel area for horizontal sealing. Main shaft made of V2A stainless steel. Additional deflection shaft in the head part for the curtain guide in the lintel area. All steel parts (e.g. bearing brackets, lugs) are made of V2A stainless steel. Motor and shaft cover included.

Curtain

The door curtain is constructed from three cold and heat insulating layers. The outer sides of the door curtain are made of coloured vinyl. The inner door curtain layer is made of foam. This specially manufactured and high-density material provides excellent insulation.

Standard Curtain Colours

RAL 1018 – Zinc yellow; RAL 2004 – Pure orange; RAL 3020 – Traffic red; RAL 5010 – Gentian blue; RAL 6018 – Yellow green
RAL 7016 – Anthracite grey; RAL 7024 – Graphite grey; RAL 7035 – Light grey; RAL 9006 – White aluminium.

Other colours available on request for an additional charge. Colours may vary.

Scuffboard profile: flexible (Wind class 1), yellow or red finish.

Wind protection profiles

2 to 4 pieces, made of galvanised steel, integrated in the door curtain. Positioning and number depending on the door height.

Wind resistance class 1 according to EN 12424.

Drive

Slip-on geared motor with built-in safety gear and digital limit switch.

Connection cable with CEE plug (7 m), Protection class: IP55.

Optional automatic emergency opening according to ASR 1.7 via integrated spring weight compensation.

Door control

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-off 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

Self-switching door light grid, integrated in the lateral guide rails.

Anti-crash system. Spring tension monitoring,

Additional fall protection via counterweight system.

Required space, in Brackets () with assembly space

Lintel (A)	400 mm (450 mm)
Guide rail opposite with compensation system (B)	210 mm (250 mm)
Guide rail motor side until lintel opening (C)	105 mm (150 mm)
Motorside from the lintel opening (D)	200 mm (325 mm)

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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