ADA Cool

Air curtain for cold stores

ADA Cool keeps the cold air in cold stores and also makes it possible to have an open cold store area without doors. ADA Cool has a simple connection making it possible to easily link units together in order to cover wide openings. The cost of cooling is significantly reduced and the cold air stays where it is needed. ADA Cool reduces ice formation and condensation by the doorway and improves visibility when compared to plastic strips and fast folding doors.

Leading technology and design

Frico collaborates with leading architects and product designs in the product development. The air curtains blends in well in the environment and the designed for fit into both exclusive shop interiors as industrial environments.

Compact and easily positioned

Thanks to compact design and air intake at the front, the air curtain can be mounted where space is limited between the ceiling and the upper edge of the doorway.
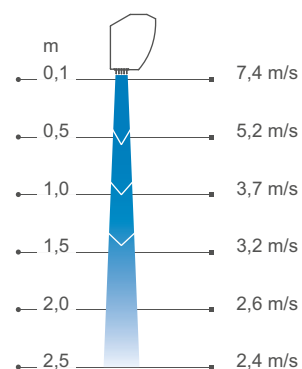
High performance

Frico air curtains are developed and manufactured in Sweden. The air curtains are tested in one of the most modern and advanced air and sound laboratories in Europe which means that we can guarantee a high performance product.

ADA Cool

THERMOZONE TECHNOLOGY

❀ Ambient (without heat)

❄ Installation height for cold storage: up to 2,5 m

Air velocity profile

m	
0,1	7,4 m/s
0,5	5,2 m/s
1,0	3,7 m/s
1,5	3,2 m/s
2,0	2,6 m/s
2,5	2,4 m/s

Measurements according to ISO 27327-1.
Average values for products in the series.

Design and specifications are subject to change without notice.

Frico's Thermozone technology optimizes the air curtain

THERMOZONE
TECHNOLOGY

Frico air curtains create an invisible barrier at openings and doors which separates different temperature zones without limiting access for people and vehicles. Thermozone technology creates a highly uniform air barrier with a perfect balance between air volume and air velocity, regardless of whether it is the heat or the cold that you want to keep inside.

Great energy savings

In many premises doors remain open for a significant part of the day, this results in huge losses of expensively heated or cooled air, especially when the temperature difference between outdoor and indoor air is great. With correctly installed air curtains great energy savings can be obtained.

Comfortable indoor climate

Air curtains with Thermozone technology have optimized performance to provide a comfortable indoor climate free from drafts. The air curtain also keeps out emissions and insects.

Low sound level

With Thermozone technology Frico manufactures air curtains with very high airflow performance. This does not just make the air curtain more effective, but also has other advantages such as extremely low sound levels and reduced turbulence.

Technical specifications

✿ Ambient, no heat - ADA Cool (IP21)

Voltage motor: 230V~

Item number	Type	Output [kW]	Airflow [m³/h]	Sound power*[1] [dB(A)]	Sound pressure*[2] [dB(A)]	Amperage motor [A]	Length [mm]	Weight [kg]
2348	**ADAC090**	0	800/1150	70	43/54	0,50	900	9,5
10775	**ADAC120**	0	1100/1400	67	44/51	0,55	1200	11,7

*[1]) Sound power (L_{WA}) measurements according to ISO 27327-2: 2014, Installation type E.
*[2]) Sound pressure (L_{pA}). Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m². At lowest/highest airflow.

Approved for 220V/1ph/60Hz. Product performance for 220V/1ph/60Hz will differ from stated data.

Manufactured in Sweden with a corrosion proof housing made of hot zinc-plate and powder coated steel panels. Colour front: white, RAL 9016, NCS S 0500-N.
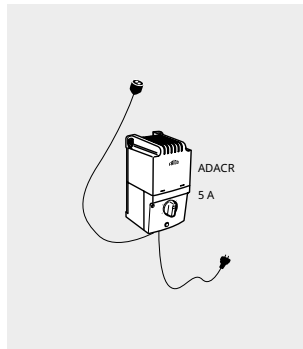
CE

ADA Cool

Mounting

The air curtain is installed horizontally with the outlet air grille facing downwards as close to the door as possible. Wall brackets included. Installation height for cold storage: up to 2,5 m. As the unit is to be used to protect cold storage or freezer rooms, it must be mounted on the outside of the conditioned space. Usually the unit must be angled away from the cold storage to prevent hot air from being blown in. For the protection of wider doorways, several units can be mounted in series alongside each other.
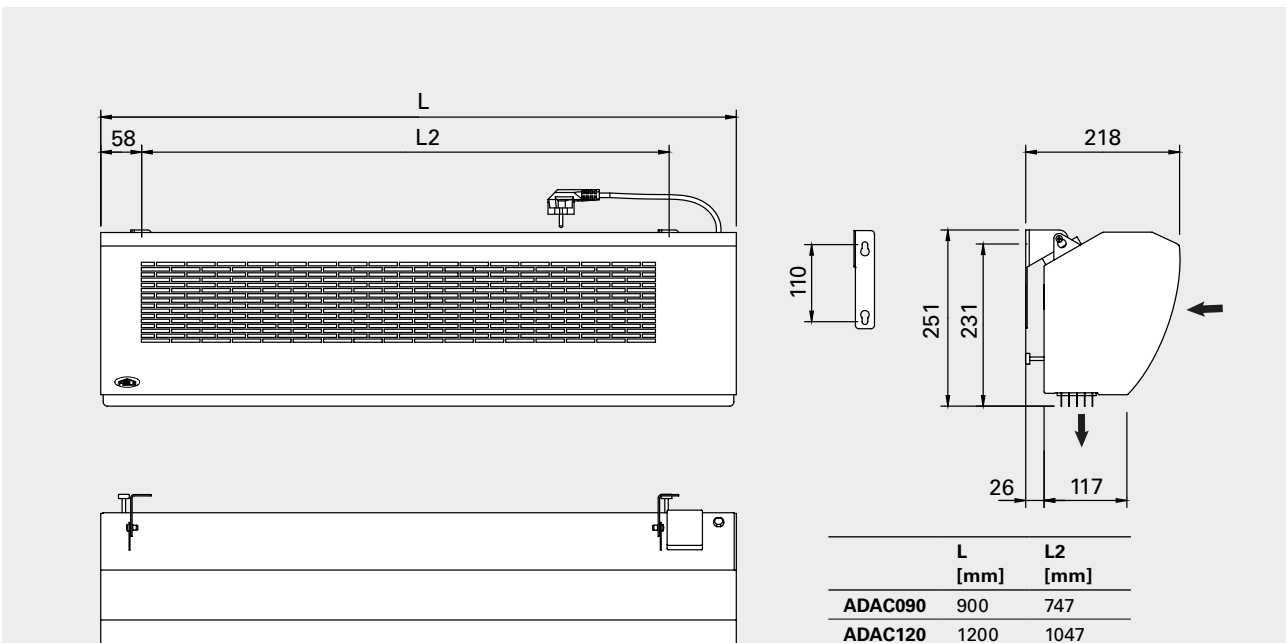
Connection

The unit is delivered with 1,8 m cord and plug and is supplied with sockets that make it easy to link up the units in series. The units should be supplemented with ADACR.

Controls

ADACR
5 A

ADACR, 5-step fan speed control

ADACR is a control and connection set consisting of a 5-step fan speed control, flexible cable and earthed plug. Can control a maximum of 7-9 units (max. 7 units at 60 Hz). Max input: 5 A. Dimensions: 200x105x105 mm. IP30.

L
58 L2

218

110

251 231

26 117

	L [mm]	L2 [mm]
ADAC090	900	747
ADAC120	1200	1047

Recommended installation height varies depending on the relevant premises. See www.frico.net for further information.

For mounting, connection, wiring diagrams and other technical information, please see the manual.