

- Heatpump (DX)
- Surface mounting



DX Surface Mounted Air Curtain type ACA-DX-HP R32

The surface-mounted air curtains ACA-DX-HP are equipped with EC fans and are specially designed for connection to Fujitsu inverter heat pumps with direct expansion. The sleek and modern air curtain is designed for use in shops and public areas where users do not want to worry about the air curtain and where maintaining high energy efficiency and comfort levels is required.

The ACA-DX-HP is available in three different capacities for door heights up to 3 m. The 3 lengths can be combined to provide a solution for every door width.

This type of air curtain is equipped with a state of the art bypass system, which creates a pleasant air jet even during the inevitable defrost cycle of the heat pump, without consuming any extra energy.

The air curtain is standard equipped with a wired control that makes it possible to control the ventilation speed in 5 positions and that is equipped with a door contact indication, various LED indicators, an automatic/manual mode and an on/off button for heating. The power supply board is also equipped with a GBS input (potential-free contact) and GBS output (potential-free contact) for external control.

Application

- Hospitals
- Shops
- Office buildings
- Hotel lobbies

Specifications

- Only heating
- Cooling on request
- EC fans
- R32

Material

- Steel casing
- Remote control in a PVC casing for surface mounting: dimensions 70x70x26 mm

Colour

- RAL 9016 (traffic white). Other colors available on request

Mounting

- Suited for surface mounting on the ceiling

Accessoires

- Communication module, type **ACA-DX-BOX**
- Door contact
- Connection to GBS by use of an external contact
- Master/Slave control possible with RJ45 cable. Max. 30 m. (to provide on site)

Text for tender

The surface-mounted air curtain has a state of the art bypass system, which creates a pleasant air jet even during the inevitable defrost cycle of the heat pump, without consuming extra energy. Thanks to this system, the air flow during the defrost cycle is not directed through the cold heat exchanger of the air curtain, but through the suction at the top of the air curtain. This temporarily uses the unused heat from the ceiling area to effectively shield the opening. After the heat pump has completed the defrost cycle, the air flow in the air curtain is returned to the heat exchanger.

The fan is controlled by a 5-speed remote control, supplied with the air curtain. This type of air curtain is only suitable for heat pump applications with Fujitsu inverter controlled outdoor units. The housing is painted in steel in RAL 9016, other colors are available on request. Up to 9 air curtains can be controlled in master/slave using an RJ45 cable and a wired control. This air curtain is GBS-ready and standard equipped with an external input contact, a door input contact and an operation and error output contact.

Technical data							
Opbouw serie type "HP-GVP"		01			02		03
Lengte	cm	100	150	200	100	150	100
Montagehoogte (Max.)	m	< 2,30			< 2,60		< 3,00
Afmetingen (HxB) ^o	mm	300x750					
Uitblaasbereik		+30°/-30°					
Luchttechnische gegevens luchtgordijn							
Effectief luchtdebiet	m ³ /h	1300	2000	2600	1800	2700	2400
Geluidsdruk niveau**	dB(A)	40-54	41-56	41-58	41-54	43-56	40-54
Gewicht	kg	61	71	93	61	74	65
Elektrische gegevens van ventilatoren							
Voeding (50 Hz) ^{oo}	V	230/1					
Opgenomen vermogen (Max.)	kW	0.33	0.33	0.54	0.33	0.5	0.5
Opgenomen stroom (Max.)	A	2.4	2.4	3.6	2.4	3.6	3.6
Sectie voedingskabel	mm ²	3G 2,5					
Automatische zekering (Traag)	A	10					
Technische gegevens DX-batterij (H)							
Verwarmingsvermogen @ 20/35°C***	kW	6.6	10.8	14.5	8.3	13.4	10.1
Koelmiddel		R32					
Batterij diameter	inch	1/2-5/8					
Technische gegevens van bijhorende Fujitsu buiteneenheid							
Type van toestel (AOYG/A)		AOYG 30 KBTB	AOYG 36 KBTB	AOYG 45 KRTA	AOYG 36 KBTB	AOYG 45 KRTA	AOYG 36 KRTA
Type ACA-DX-BOX		ACA-DX-BOX R32					
Voeding	V	230/1	230/1	400/3	230/1	400/3	400/3
Opgenomen vermogen (Nom. - Max.)	kW	2,63 - 4,37	2,88 - 4,66	3,84 - 4,79	2,88 - 4,66	3,84 - 4,79	2,88 - 4,66
Opgenomen stroom (Nom. - Max.)	A	11.7	12.8	7.1	12.8	7.1	5.6
Afmetingen (H x B x D)	mm	788x940x320	788x940x320	998x940x320	788x940x320	998x940x320	788x940x320
Geluidsdruk niveau	dB(A)	55	55	57	55	57	55
Gewicht	kg	52	52	67	52	67	53
Koelleiding ¹	inch	3/8-5/8					
Voorgevulde hoeveelheid koelmiddel	g (CO2eq-T)	1900 (1,28)	1900 (1,28)	2700 (1,82)	1900 (1,28)	2700 (1,82)	2700 (1,82)
Extra hoeveelheid koelmiddel	g/m	40	40	40	40	40	40
Aantal meter voorgevuld	m	14	2	0	14	2	14
Maximum lengte/hoogte koelleiding ²	m	35/30	22/20	15/15	35/30	22/20	35/30
Minimum koelleidinglengte	m	5	5	5	5	5	5
Kabelsectie tss luchtgordijn en buiteneenheid	mm ²	4G1.5					
Sectie voedingskabel	mm ²	3G 4	3G 4	5G2,5	3G 4	5G2,5	5G2,5
Automatische zekering (Traag)	A	25	25	16	25	16	16

* Specificaties en design kunnen wijzigen zonder bericht voor verdere verbeteringen
 ** = Geluidsdruk niveau is gemeten op 3m afstand van de luchtinname van het luchtgordijn op hoge snelheid
 *** = Verwarmingsvermogen bij 20°C luchtinname temperatuur en 35°C luchtuitlaat temperatuur bij een condensatietemperatuur tussen de 43 en 50°C
 o = Aansluiting voor ventilatoren bevindt zich links als je voor het toestel staat.
 1 = Steeds dezelfde koelleidingen gebruiken als het buiteneenheid.