

INDUSTRIAL/EC



Modular construction air curtains for installation on industrial doors, with EC Technology motor



Robust construction with a modular design to adapt the air curtain to the door size and EC Technology motor. IP44 protection on all models, except for the electric heating coil version (IP20).

Construction:

- Galvanised or painted structure in RAL 9016 polyester.
- Design for vertical or horizontal installation.
- 1,65 m module with 3 fans.
- 2,2 m module with 4 fans.
- 2,75 m module with 5 fans.

Version in accordance with heating options:

- S: Ambient. Air recirculation.
- E: Electric. Includes electric heating elements.
- V: By water. Includes water coils up to 110 °C.
- P: By water. Includes water coils up to 110 °C with frost protection.

Technical characteristics of the controls

Control	BASIC EC	BASIC EC	BASIC EC
Control type	Manual	Manual	Manual
Coil type	S	V	E
Electric heating coil control accessory	-	-	TER-P
Water coil control accessory	-	TER-P + 3-way valve	-
Door contact control accessory	DS or DK-B-3	DS or DK-B-3	DS or DK-B-3
External control voltage free contact	Door contact	Door contact	Door contact
Programmer	SH-TM-848	SH-TM-848	SH-TM-848
Coil cooling control	-	-	YES
Remote control connection	Max. power cable 100 meters	Max. power cable 100 meters	Max. power cable 100 meters
Power cables	L1+N	L1+N	L1+N
Interconnection curtains	Max. 10 fans	Max. 10 fans	Max. 10 fans

Order code

INDUSTRIAL/EC	—	150	—	S0	—	0
INDUSTRIAL/EC: Modular construction air curtains for installation on industrial doors, with EC Technology motor		150: Length 165 cm 200: Length 220 cm 250: Length 275 cm		S: Without heating coil E: Electric heating coil V: 100 °C water coil P: 100 °C water coil with frost protection		0: White RAL 9016 1: Galvanised

Technical characteristics

Model	Height door	Maximum flow rate ¹	Sound pressure level ²	Power equipment	Coil supply	Equipment consumption	Motor consumption	Heater power (kW) ³		Increase temperature	Approx. weight
	(m)	(m³/h)	dB(A)	(V) / (Hz)	(V)	(kW) / (A)	(W) / (A)	1st stage	max.	(°C)	(Kg)
IND/EC-150-S	7.5	11400	68	1x230 - 50/60	-	1 / 4.1	943 / 4.1	-	-	-	51
IND/EC-200-S	8.0	15200	69	1x230 - 50/60	-	1.3 / 5.4	1242 / 5.4	-	-	-	69
IND/EC-250-S	7.5	19000	71	1x230 - 50/60	-	1.6 / 6.8	1564 / 6.8	-	-	-	83
IND/EC-150-E	7.5	11400	68	1x230 - 50/60	3x400	25.3 / 39.1	943 / 4.1	12.1	24.3	6.4	55
IND/EC-200-E	8.0	15200	69	1x230 - 50/60	3x400	33.5 / 52.3	1242 / 5.4	16.2	32.4	6.4	74
IND/EC-250-E	7.5	19000	71	1x230 - 50/60	3x400	42.1 / 65.3	1564 / 6.8	20.2	40.5	6.4	89
IND/EC-150-V	7.5	10500	68	1x230 - 50/60	-	1 / 4.1	943 / 4.1	76		22	60
IND/EC-200-V	8.0	14000	68	1x230 - 50/60	-	1.3 / 5.4	1242 / 5.4	102		23	78
IND/EC-250-V	7.5	17500	70	1x230 - 50/60	-	1.6 / 6.8	1564 / 6.8	129		23	98
IND/EC-150-P	7.5	10500	68	1x230 - 50/60	-	1 / 4.1	943 / 4.1	76		22	60
IND/EC-200-P	8.0	14000	68	1x230 - 50/60	-	1.3 / 5.4	1242 / 5.4	102		23	78
IND/EC-250-P	7.5	17500	70	1x230 - 50/60	-	1.6 / 6.8	1564 / 6.8	129		23	98

1. Airflow volume according ISO27327-1.

2. Sound pressure level in dB(A) at a distance of 3 m and at maximum flow rate.

3. Water coil heating capacities are based on a 90/70 °C water circuit and an inlet air temperature of 15 °C.

Water coil technical characteristics

Model	Temperature gradient 80/60 °C					Temperature gradient 110/80 °C			
	Airflow ref.	Heat power	Outlet temperature	Loss of load	Water level	Heat power	Outlet temperature	Loss of load	Water level
	(m³/h)	(kW)	(°C)	(kPa)	(l/s)	(kW)	(°C)	(kPa)	(l/s)
IND/EC-150-V	10500	63.6	33.9	18	0.76	92.2	43.3	16	0.75
IND/EC-200-V	14000	85.5	34.1	14	1.03	124.0	43.6	12	1.00
IND/EC-250-V	17500	108.0	34.2	11	1.29	156.0	43.8	10	1.26

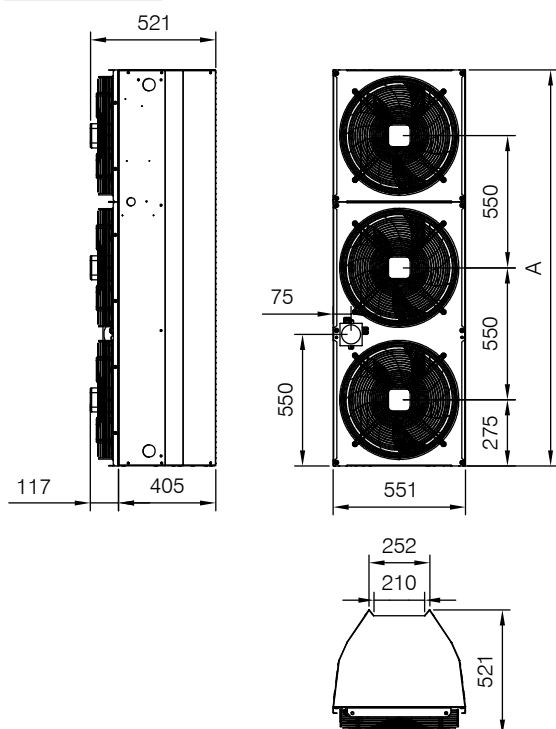
1. Air inlet temperature: +15 °C.

Air speed and range

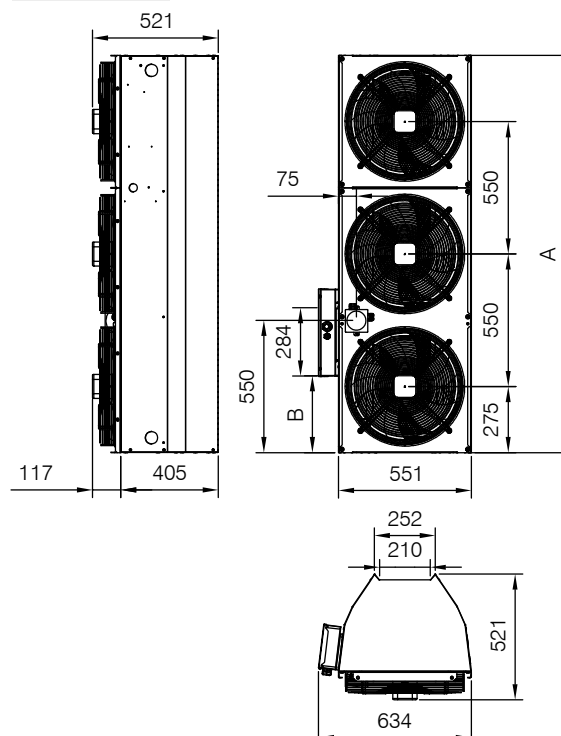
Model	1 m	3 m	5 m	7 m	9 m
IND/EC	9.3 m/s	7.1 m/s	5.7 m/s	4.8 m/s	4.1 m/s

Dimensions mm

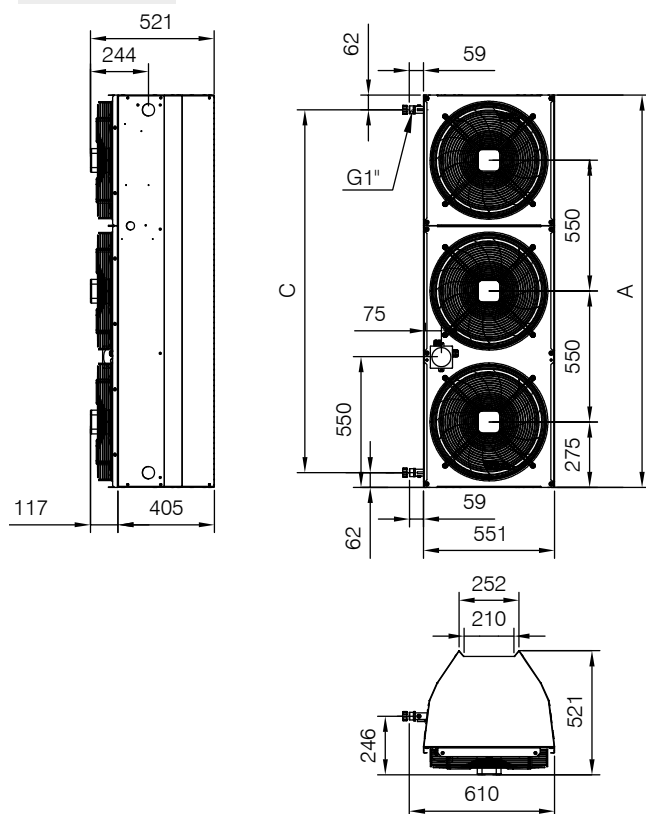
Version S



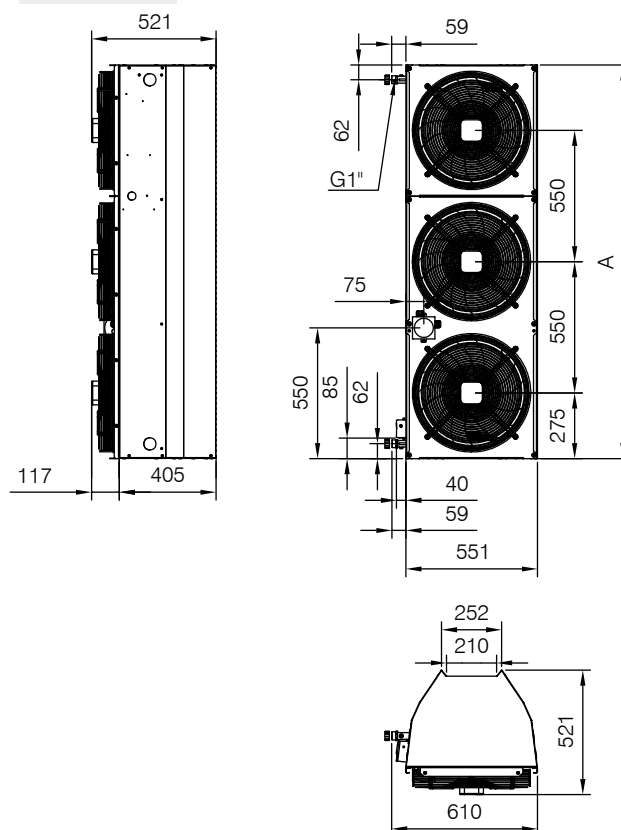
Version E



Version V



Version P



	A	B	C
IND/EC-150	1650	320	1526
IND/EC-200	2200	870	2076
IND/EC-250	2750	870	2626

Control accessories



BASIC/EC



CONTACTO
PUERTAS



TER-P



SH-TM-848



ACCESORIOS
INDUSTRIAL
MODULAR

Electric heating coil contactor box accessories

Accessory model	Finish	Courtain
ECB-25-0	White RAL 9016	u. for each 150 or 200
ECB-25-1	Galvanised	u. for each 150 or 200
ECB-40-0	White RAL 9016	u. for each 250
ECB-40-1	Galvanised	u. for each 250

Mounting accessories

Installation type	Mounting accessories	Finish	Number of units required
Horizontal installation bracket Wall moorings	BRK-H-WL-0 BRK-H-WL-1	White RAL 9016 Galvanised	No. of modules + 1
Horizontal installation bracket Ceiling moorings	BRK-H-CL-0 BRK-H-CL-1	White RAL 9016 Galvanised	No. of modules + 1
Fixed vertical installation bracket	BRK-V-FX-0 BRK-V-FX-1	White RAL 9016 Galvanised	1 for vertical column of modules
Adjustable vertical installation bracket	BRK-V-AD-0 BRK-V-AD-1	White RAL 9016 Galvanised	1 for vertical column of modules
Adjustable vertical installation bracket	BRK-V-AD4-0 BRK-V-AD4-1	White RAL 9016 Galvanised	1 for module from 4 m high