

# INDUSTRIAL MODULAR



**Modular construction air curtains for installation on industrial doors up to 8 m high and up to 12 m wide**



Robust construction with modular design, to be able to adjust the curtain to the size of the door. IP44 protection in all models except version with electric coil (IP20). Covers up to 12 m wide door, installing curtains on both sides. The equipment works without special controls. The controls add additional functions.

Version in accordance with heating options:

- S0: Environmental. Air recirculation.
- E1: Electrical. Incorporates electrical resistances.
- V2: By water. It incorporates water batteries up to 110 °C.
- P2: By water. Incorporates water batteries up to 110 °C with antifreeze.

Construction:

- Galvanised steel frame painted 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.



CONTROL STRA1

## Order code



## Technical characteristics

Model	Height door	Maximum flow rate <sup>1</sup>	Sound pressure level <sup>2</sup>	Heat power <sup>3</sup> (kW)		Battery voltage	Battery consumption	Motor voltage	Motor consumption	Approx. weight (Kg)
	(m)	(m <sup>3</sup> /h)	dB(A)	1st stage	max.	(V)	(A)	(V) / (Hz)	(W) / (A)	
IND-150-S0	7.5	11550	63	-	-	-	-	1x230 - 50	900 / 4.1	51
IND-150-E1	7.5	11550	63	12.1	24.3	3x400	39.3	1x230 - 50	25100 / 4.1	55
IND-150-V2	7.5	10300	63		75.2	-	-	1x230 - 50	900 / 4.1	60
IND-150-P2	7.5	10300	63		75.2	-	-	1x230 - 50	900 / 4.1	60
IND-200-S0	8	15100	65	-	-	-	-	1x230 - 50	1200 / 5.5	69
IND-200-E1	8	15100	65	16.2	32.4	3x400	52.5	1x230 - 50	33500 / 5.5	74
IND-200-V2	8	13700	64		101	-	-	1x230 - 50	1200 / 5.5	78
IND-200-P2	8	13700	64		101	-	-	1x230 - 50	1200 / 5.5	78
IND-250-S0	7.5	18500	67	-	-	-	-	1x230 - 50	1400 / 6.8	83
IND-250-E1	7.5	18500	67	20.2	40.5	3x400	65.5	1x230 - 50	41900 / 6.8	89
IND-250-V2	7.5	17000	65		127	-	-	1x230 - 50	1400 / 6.8	98
IND-250-P2	7.5	17000	65		127	-	-	1x230 - 50	1400 / 6.8	98

1. Airflow volume according ISO27327-1.  
2. Sound pressure level in dB(A) at a distance of 5 m and at maximum flow rate.  
3. The heating powers of water batteries are taken with a 90/70 °C water circuit and air inlet at 15 °C.

## Water battery technical characteristics with temperature gradient 80/60°C

Model	Airflow ref.	Heat power	Outlet temperature	Water level	Loss of load
	(m <sup>3</sup> /h)	(kW)	(°C)	(l/s)	(kPa)
IND-150-V2	10300	62.9	34.1	0.8	18
IND-200-V2	13700	84.6	34.3	1.0	14
IND-250-V2	17000	106.0	34.5	1.3	11

Air inlets to +15 °C.

## Water battery technical characteristics with temperature gradient 110/80°C

Model	Airflow ref. (m <sup>3</sup> /h)	Heat power (kW)	Outlet temperature (°C)	Water level (l/s)	Loss of load (kPa)
IND-150-V2	10300	91.3	43.6	0.8	16
IND-200-V2	13700	123.0	43.9	1.0	12
IND-250-V2	17000	154.0	44.3	1.3	10

Air inlets to +15 °C.

## Electrical battery technical characteristics

Model	Airflow ref. (m <sup>3</sup> /h)	Heat power (kW)	Increase temperature (°C)
IND-150-E1	11550	24.3	6.3
IND-200-E1	15100	32.4	6.4
IND-250-E1	18500	40.5	6.5

Maximum flow rate and maximum power of the heater.

## Control accessories



STRA1



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## Contact box accessories for electric batteries

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

## Mounting accessories

Installation type	Mounting accessories	Finish	Number of units required
Horizontal installation bracket Wall moorings	IND-SOP-H-PARED-0	White RAL 9016	No. of modules + 1
	IND-SOP-H-PARED-1	Galvanised	
Horizontal installation bracket Ceiling moorings	IND-SOP-H-TECHO-0	White RAL 9016	No. of modules + 1
	IND-SOP-H-TECHO-1	Galvanised	
Fixed vertical installation bracket	IND-SOP-V-FIJA-0	White RAL 9016	1 for vertical column of modules
	IND-SOP-V-FIJA-1	Galvanised	
Adjustable vertical installation bracket	IND-SOP-V-AJUST-0	White RAL 9016	1 for vertical column of modules
	IND-SOP-V-AJUST-1	Galvanised	
Adjustable vertical installation bracket	IND-SOP-V-AJUST-4M-0	White RAL 9016	1 for module from 4 m high
	IND-SOP-V-AJUST-4M-1	Galvanised	

## Technical characteristics of the controls



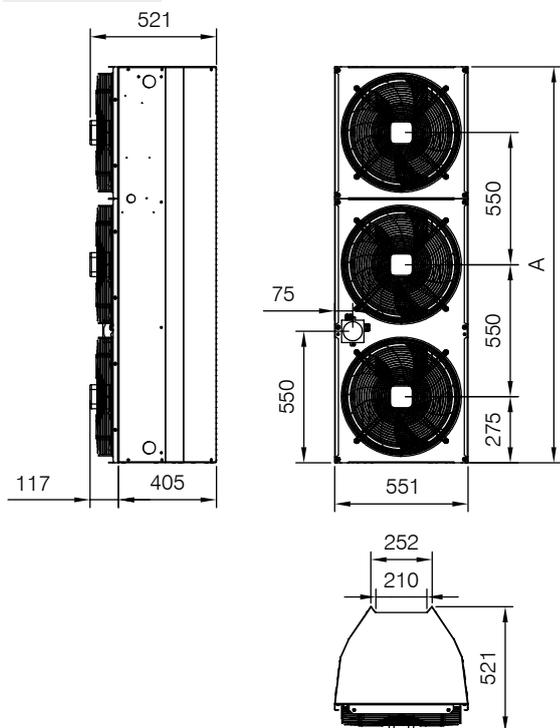
CONTROL STRA1

Optional controls (control - battery)	STRA1
Control type	Manual
Speeds	5
Compatible with door contact	DS or DK-B-3
Contact for external control	NC/NO contact
Maintenance indication	YES

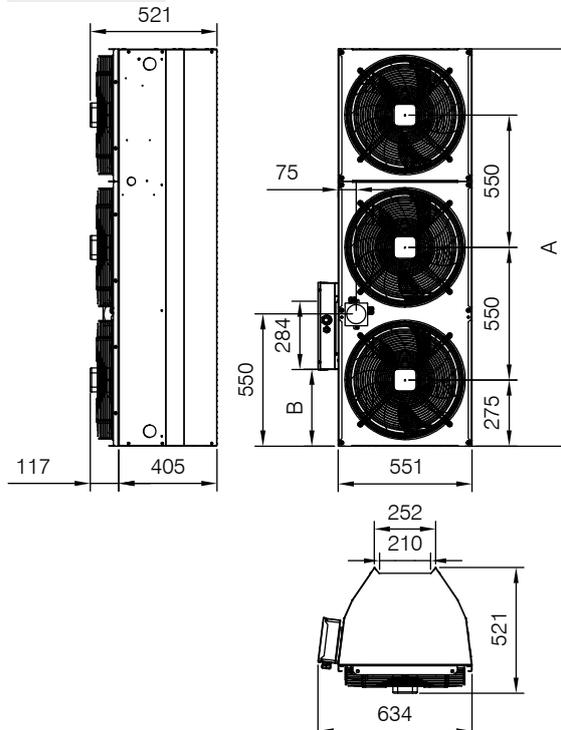
Model	Power supply	Protection IP	Max. admissible current (A)	Dimensions mm AxBxC	Approx. weight (Kg)
STRA1-050L22	1x230V 50/60Hz	IP54	5.0	170x255x140	6
STRA1-075L22	1x230V 50/60Hz	IP54	7.5	200x305x155	9
STRA1-160L20	1x230V 50/60Hz	IP54	16.0	300x425x235	20

## Dimensions mm

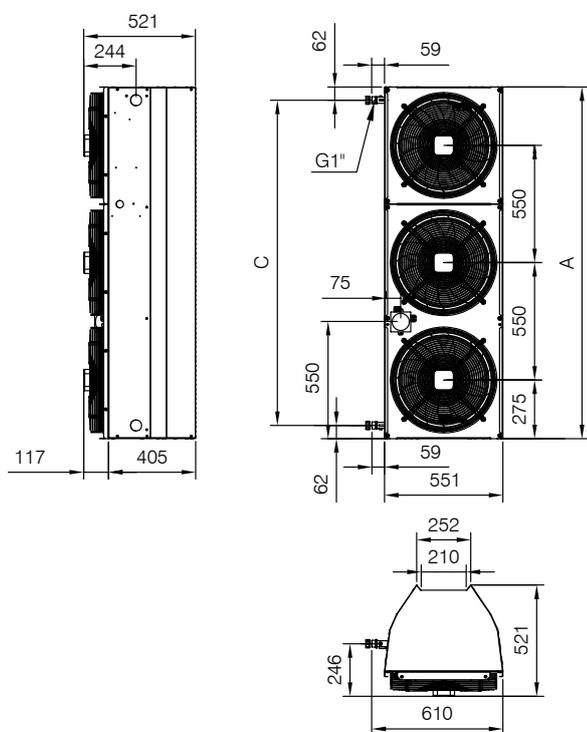
**Version S0**



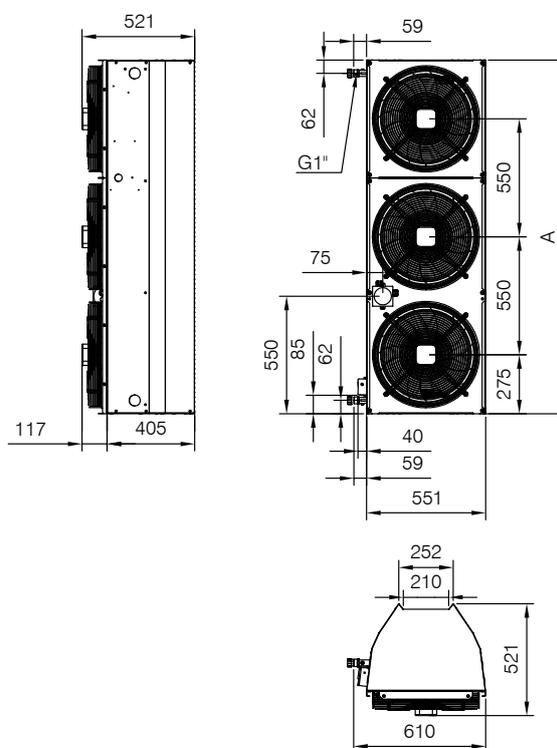
**Version E1**



**Version V2**



**Version P2**



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