

# EMPOTRABLE

Recessed air curtains for commercial doors up to 4 m high



BASIC

Special design for installing the air curtain in technical ceilings with an inlet impulsion grille that requires little maintenance.

**Construction:**

- Metal structure painted in RAL-9016 polyester.
- Widths of 1, 1.5, 2 and 2.5 m.
- Horizontal installation.
- Outlet grill with adjustable inclination.
- Door height up to 4 meters.

**Battery version:**

- S: Environmental. Air recirculation.
- E: Electric. Control of the electric battery with up to 2 stages.

- V: Water. Hot water batteries. For a maximum temperature of 100 °C and 16 bar pressure.

**Fan:**

- 3 speed for flow rate adjustment.

**Control version:**

- BA: BASIC. Manual selector for wall installation.

**On request:**

- Brackets for wall mounting. Ref: VCS4-KONZ-STE.
- Brackets for ceiling mounting. Ref: VCS4-KONZ-STR.

## Control options

Control type	BASIC	BASIC	BASIC
Battery type	S	V	E
Electric battery control accessory	-	-	TER-P
Water battery control accessory	-	TER-P + 3-way valve	-
Door contact control accessory	DS	DS	DS
External control voltage free contact	Door contact	Door contact	Door contact
Programmer	SH-TM-848	SH-TM-848	SH-TM-848
Battery cooling control	-	-	YES
Remote control connection	Max. power cable 100 meters		
Power cables	2 + ground	2 + ground	4 + ground

## Order code

**EMP** – **B** – **100** – **S** – **BA**

EMPOTRABLE:  
Recessed air curtains for commercial doors up to 4 m high

B: Height up to 4 m

100: Length cm  
150: Length cm  
200: Length cm  
250: Length cm

S: No heater battery  
E: Electrical battery  
V: Water battery

BA: Selector manual BASIC

## Technical characteristics

Model	Height door (m)	Maximum flow rate <sup>1</sup> (m³/h)	Sound pressure level <sup>2</sup> dB (A)	Power equipment (V) / (Hz)	Equipment consumption (kW) / (A)	Motor consumption (W) / (A)	Heater power (kW)		Increase temperature (°C)	Approx. weight (Kg)
							1st stage	max.		
EMP-B-100-S	4	1800	55	1x230 / 50	0.6 / 2.8	630 / 2.8	-	-	-	37
EMP-B-150-S	4	2600	56	1x230 / 50	0.9 / 4.0	900 / 4.0	-	-	-	51
EMP-B-200-S	4	3500	57	1x230 / 50	1.2 / 5.3	1200 / 5.3	-	-	-	66
EMP-B-250-S	4	4350	59	1x230 / 50	1.5 / 6.5	1500 / 6.5	-	-	-	80
EMP-B-100-E	4	1800	55	3x400 / 50	10.1 / 16.3	630 / 2.8	4.6	9.4	15.6	39
EMP-B-150-E	4	2600	56	3x400 / 50	16.0 / 26.1	920 / 4.0	7.6	15.0	17.2	54
EMP-B-200-E	4	3450	57	3x400 / 50	20.5 / 32.4	1220 / 5.3	9.8	19.0	16.4	71
EMP-B-250-E	4	4200	58	3x400 / 50	26.1 / 42.2	1500 / 6.5	12.5	24.5	17.4	85
EMP-B-100-V	4	1700	54	1x230 / 50	0.6 / 2.80	630 / 2.8	-	21.3	38.0	41
EMP-B-150-V	4	2450	55	1x230 / 50	0.9 / 4.0	900 / 4.0	-	31.6	38.0	56
EMP-B-200-V	4	3400	57	1x230 / 50	1.2 / 5.3	1200 / 5.3	-	43.4	38.0	73
EMP-B-250-V	4	4100	58	1x230 / 50	1.5 / 6.5	1500 / 6.5	-	53.0	38.0	87

1. Airflow volume according ISO27327-1.

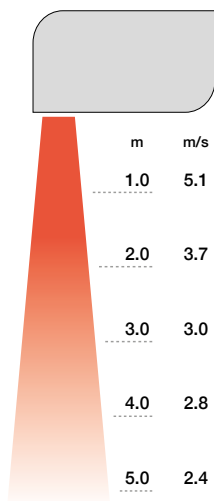
2. Sound pressure level in dB(A) at a distance of 3 m and at maximum flow rate.

## Water battery technical characteristics and 3-way valves accessories

Model	Airflow ref. (m³/h)	Thread connection	Temperature gradient 80/60 °C				Temperature gradient 60/40 °C				3-way valve accessory
			Heat power	Outlet temperature	Loss of load	Water level	Heat power	Outlet temperature	Loss of load	Water level	
			(kW)	(°C)*	(kPa)	(l/s)	(kW)	(°C)*	(kPa)	(l/s)	
EMP-B-100-V	1700	G 3/4"	17.4	48.4	7.1	0.2	9.5	34.6	2.4	0.1	ZV-3
EMP-B-150-V	2450	G 3/4"	25.9	49.3	7.0	0.3	14.2	35.2	2.4	0.2	ZV-3
EMP-B-200-V	3400	G 3/4"	35.5	49.0	8.3	0.4	19.5	35.0	2.8	0.2	ZV-3
EMP-B-250-V	4100	G 3/4"	43.6	49.5	13.1	0.5	24.4	35.6	4.6	0.3	ZV-3

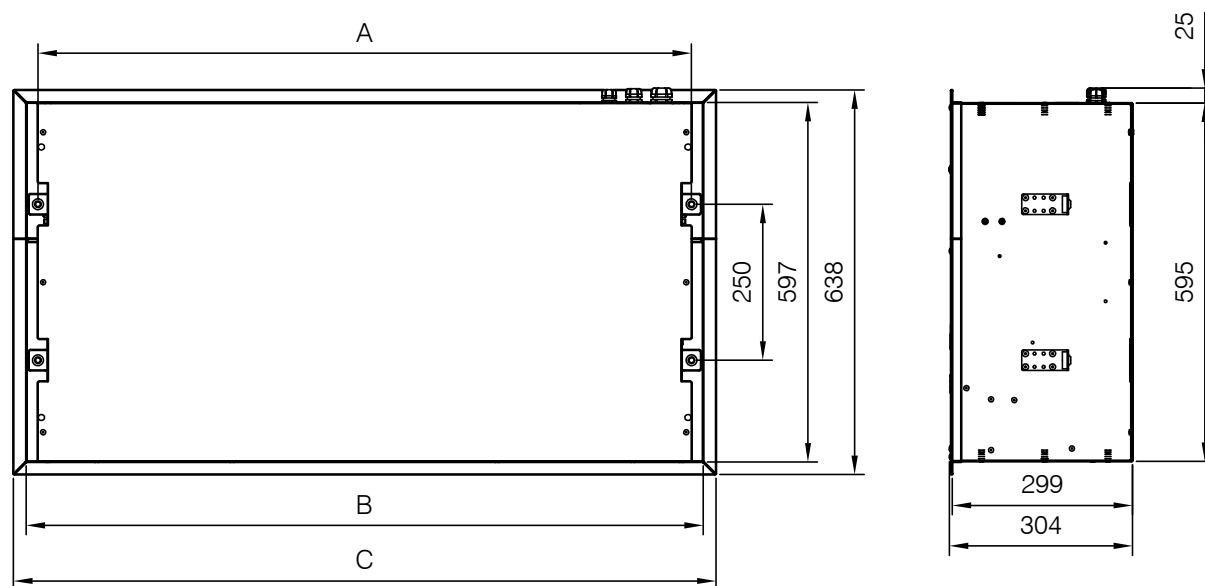
\* Air inlet temperature: +18 °C, at maximum heating and fan speed.

## Air speed and range



Model	1 m	2 m	3 m	4 m	5 m
EMP-B	5.1 m/s	3.7 m/s	3.0 m/s	2.8 m/s	2.4 m/s

## Dimensions mm

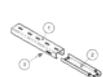


	A	B	C
EMP-100	1085	1125	1167
EMP-150	1585	1625	1667
EMP-200	2085	2125	2167
EMP-250	2465	2505	2547

## Accessories



VCS4-KONZ-STE



VCS4-KONZ-STR



CONTACTO  
PUERTAS



TER-P



ZV



TV1



SH-TM-848