EMPOTRABLE

Recessed air curtains for commercial doors up to 4.8 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 4.8 meters.

Battery version:
- S: Ambient. Air recirculation.
- E: Electric. Control of the electric coil with up to 2 stages.
- V: Water. Hot water batteries. For a maximum temperature of 100 ºC 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	BASIC	BASIC	BASIC
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	DS	DS
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	2 + ground	2 + ground	4 + ground

Order code

EMP — B — 100 — S — BA — 60HZ

EMP	B	100	S	BA
EMPOTRABLE: Recessed air curtains for commercial doors up to 4.8 m high	B: Height up to4.8 m	100: Length cm 150: Length cm 200: Length cm 250: Length cm	S: Without heating coil E: Electric heating coil V: Water coil	BA: BASIC manual selector

Technical characteristics

Model	Height door	Maximum flow rate[1]	Sound pressure level[2]	Power equipment	Equipment consumption	Motor consumption	Heater power (kW)		Increase temperature	Approx. weight
	(m)	(m³/h)	dB(A)	(V) / (Hz)	(kW) / (A)	(W) / (A)	1st stage	max.	(ºC)	(Kg)
EMP-B-100-S	4.8	2160	58	1x230 / 60	0.6 / 2.8	630 / 2.8	-	-	-	37
EMP-B-150-S	4.8	3120	59	1x230 / 60	0.9 / 4.0	900 / 4.0	-	-	-	51
EMP-B-200-S	4.8	4200	60	1x230 / 60	1.2 / 5.3	1200 / 5.3	-	-	-	66
EMP-B-250-S	4.8	5220	62	1x230 / 60	1.5 / 6.5	1500 / 6.5	-	-	-	80
EMP-B-100-E	4.8	2160	58	3x400 / 60	10.1 /16.3	630 / 2.8	4.6	9.4	15.6	39
EMP-B-150-E	4.8	3120	59	3x400 / 60	16.0 / 26.1	920 / 4.0	7.6	15.0	17.2	54
EMP-B-200-E	4.8	4140	60	3x400 / 60	20.5 / 32.4	1220 / 5.3	9.8	19.0	16.4	71
EMP-B-250-E	4.8	5040	61	3x400 / 60	26.1 / 42.2	1500 / 6.5	12.5	24.5	17.4	85
EMP-B-100-V	4.8	2040	57	1x230 / 60	0.6 / 2.80	630 / 2.8	-	21.3	38.0	41
EMP-B-150-V	4.8	2940	58	1x230 / 60	0.9 / 4.0	900 / 4.0	-	31.6	38.0	56
EMP-B-200-V	4.8	4080	60	1x230 / 60	1.2 / 5.3	1200 / 5.3	-	43.4	38.0	73
EMP-B-250-V	4.8	4920	61	1x230 / 60	1.5 / 6.5	1500 / 6.5	-	53.0	38.0	87

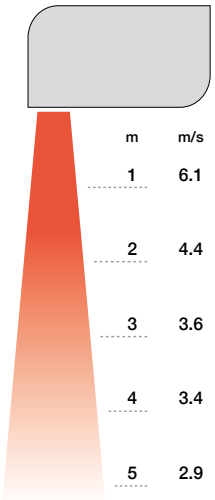
1. Airflow volume according ISO27327-1.
2. Sound pressure level in dB(A) at a distance of 3 m and at maximum flow rate.

Water coil technical characteristics

Model	Airflow ref.	Thread connection	Temperature gradient 80/60 ºC				Temperature gradient 60/40 ºC			
			Heat power	Outlet temperature[1]	Loss of load	Water level	Heat power	Outlet temperature[1]	Loss of load	Water level
	(m³/h)		(kW)	(ºC)*	(kPa)	(l/s)	(kW)	(ºC)*	(kPa)	(l/s)
EMP-B-100-V	2040	G 3/4"	20.9	48.4	10.2	0.2	11.4	34.6	3.5	0.1
EMP-B-150-V	2940	G 3/4"	31.1	49.3	10.1	0.3	17.0	35.2	3.5	0.2
EMP-B-200-V	4080	G 3/4"	42.6	49.0	12.0	0.5	23.4	35.0	4.0	0.2
EMP-B-250-V	4920	G 3/4"	52.3	49.5	18.9	0.6	29.3	35.6	6.6	0.4

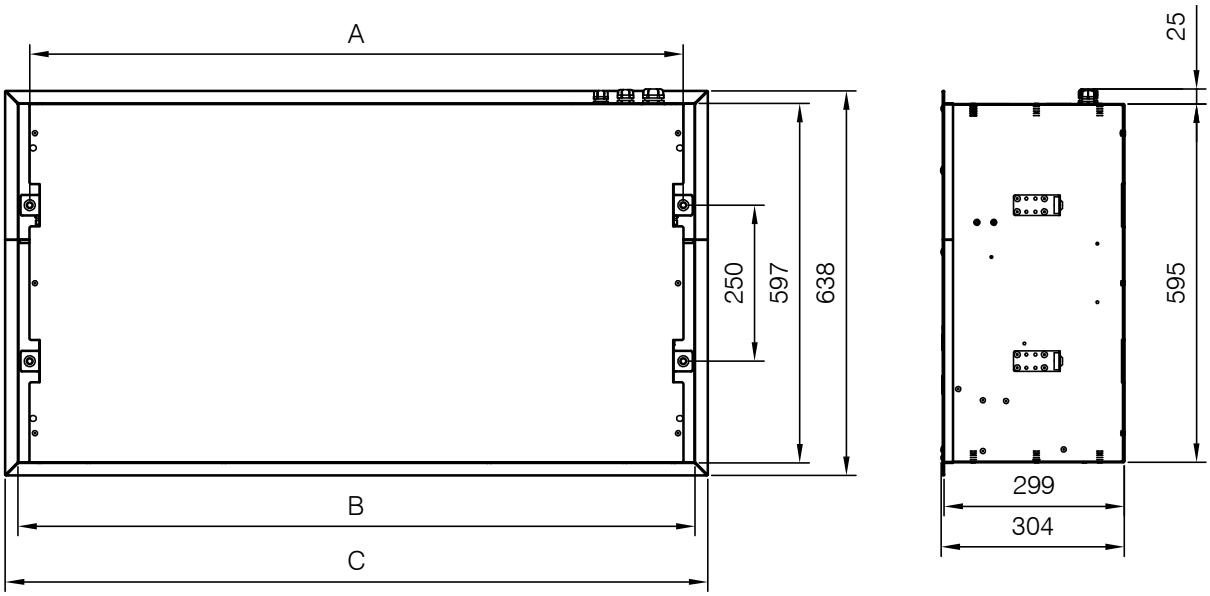
1. Air inlet temperature: +18 °C, at maximum heating and fan speed.

Air speed and range



Model	1 m	2 m	3 m	4 m	5 m
EMP-B	6.1 m/s	4.4 m/s	3.6 m/s	3.4 m/s	2.9 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 | TV1 | SH-TM-848