EMPOTRABLE

SM

DMRF

DARF

High-pressure recessed air curtain for commercial doors up to 5 m height according to model

Designed specifically for installing air curtains in false ceilings, with air inlet and outlet grille, easy maintenance.

Construction:
- Metallic structure paint with polyester RAL-9010
- Widths of 1, 1.5, 2 and 2.5m
- Horizontal installation
- Adjustable flow
- Outlet grille with adjustable tilt

Battery version:
- S: Environmental. Re-circulate air
- E: Electric. Electrical battery control with up to 3 stages.
- V: Water. Hot water coils. Maximum temperature of 100° C and 16 bar pressure.

Control version:
- SM: Wiring manual selector for wall assembly.
- DMRF: Wireless electronic selector for wall assembly.
- DARF: Wireless automatic electronic selector for wall assembly.

On request:
- Support for assembly wall. Ref: VCS4-KONZ-STE
- Supports for assembly ceiling. Ref: VCS4-KONZ-STR

Control options

Control type	**SM**	**SM**	**SM**	**DMRF**	**DMRF**	**DMRF**	**DARF**	**DARF**
Battery type								
Speeds	3	3	3	3	3	3	3	3
Electrical battery control	NO	2 stages	NO	NO	2 stages	NO	3 stages	NO
Water battery control	NO	NO	YES (*)	NO	NO	(*2)	NO	(*3)
Contact door	Accessory	Accessory	Accessory	Accessory	Accessory	Accessory	Accessory	DS
Accessory	DS	DS	DK-1	DK-1	DK-1	DK-1	DK-1	
External control for door	Contact for door	Contact for door	Contact	NO	NO	NO	YES (*4)	YES (*4)
Electric battery cooling	NO	NO	NO	30 Seconds	30 Seconds	30 Seconds	30 Seconds	30 Segundos
Interconnection curtains	NO	NO	NO	Wireless Unlimited units	Wireless Unlimited units	Wireless Unlimited units	Wireless Unlimited cable to 6 ud.(*5)	Wireless Unlimited cable to 6 ud.(*5)
Hour/week timer	NO	NO	NO	NO	NO	NO	YES	YES
Temperature sensor	NO	NO	NO	NO	NO	NO	YES	YES
Remote control connection	Power cable (230V) Max.100 meters			Wireless (radio). Range 100 m line of sight or soft obstacles.				

*(*1) Requires Thermostatic valve TV1-1/1*
*(*2) Requires ZV-3 and TER-P*
*(*3) Requires MV-3*
*(*4) Potential free contact or MODBUS RTU (RJ12) connection*
*(*5) Requires KABEL connection cable between the curtains*

Order code

VCS-F - B - 100 - S - SM

VCS-F	B	100	S	SM
VCS-F: EMPOTRABLE serie	B: Height door 4m C: Height door 5m	100: Lenght (cm) 150: Lenght (cm) 200: Lenght (cm) 250: Lenght (cm)	S: No heater battery E: Electrical battery V: Hot water battery	SM: Manual selector using a power cable DMRF: Radio-frequency manual selector DARF: Radio-frequency automatic selector

Technical characteristics

Model	Height door (m)	Maximum airflow (m³/h)	LpA 3m (*1) dB(A)	Heater power (kW)	Voltage/Total current (V)/(A)	Voltage/Fan current (V)/(A)	Increase temp. (*2) (ºC)	Weight (Kg)
VCS-F-B-100-S	4	2270	58.3	-	1x230/2.2	1x230/2.2	-	37.5
VCS-F-B-150-S	4	3280	60.2	-	1x230/3.4	1x230/3.4	-	51
VCS-F-B-200-S	4	4400	61.5	-	1x230/4.2	1x230/4.2	-	66
VCS-F-B-250-S	4	5460	62.7	-	1x230/5.4	1x230/5.4	-	80
VCS-F-B-100-E	4	2250	57.9	9.4	3x400/15.5	1x230/2.2	12.1	39.5
VCS-F-B-150-E	4	3230	60.2	15	3x400/25.2	1x230/3.3	13.5	54.5
VCS-F-B-200-E	4	4360	61.2	19	3x400/31.3	1x230/4.4	13.1	71
VCS-F-B-250-E	4	5300	62.8	24.5	3x400/41.1	1x230/5.4	13.8	85
VCS-F-B-100-V	4	2140	57.5	25	1x230/2.2	1x230/2.2	36.4	41
VCS-F-B-150-V	4	3100	9.6	39	1x230/3.3	1x230/3.3	39.3	56
VCS-F-B-200-V	4	4280	61	53	1x230/4.3	1x230/4.3	38.7	73
VCS-F-B-250-V	4	5140	62.5	62	1x230/5.4	1x230/5.4	38.1	87
VCS-F-C-100-S	5	3020	61.9	-	1x230/3.9	1x230/3.9	-	42
VCS-F-C-150-S	5	4160	63	-	1x230/5.2	1x230/5.2	-	56.5
VCS-F-C-200-S	5	5270	64.2	-	1x230/6.7	1x230/6.7	-	71
VCS-F-C-250-S	5	6100	65.7	-	1x230/7.9	1x230/7.9	-	84
VCS-F-C-100-E	5	2960	61.2	9.4	3x400/17.9	1x230/4.0	9.7	44
VCS-F-C-150-E	5	4080	62.7	15	3x400/27.2	1x230/5.2	10.7	60
VCS-F-C-200-E	5	5180	64	19	3x400/34.3	1x230/6.8	10.9	75.5
VCS-F-C-250-E	5	6020	65.8	25	3x400/42.8	1x230/7.9	11.7	90
VCS-F-C-100-V	5	2800	61.2	29	1x230/3.8	1x230/3.8	32.7	45.5
VCS-F-C-150-V	5	3900	62.5	45	1x230/5.2	1x230/5.2	36	61
VCS-F-C-200-V	5	5070	63.7	57	1x230/6.5	1x230/6.5	35.4	77
VCS-F-C-250-V	5	5860	65.6	67	1x230/7.6	1x230/7.6	36.1	91.5

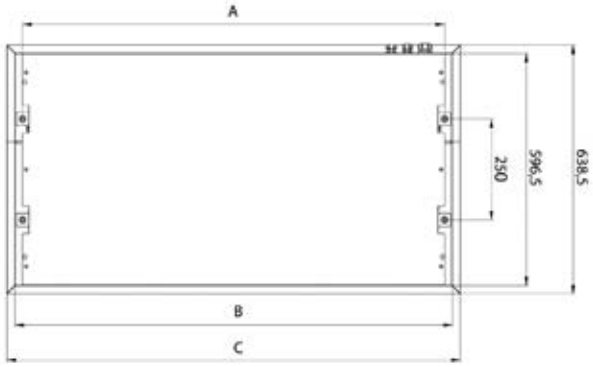
*(*1) Acoustic data at 3 m with a coefficient of Q=2*
*(*2) Temperature increase data at +18ºC of air intake temperature. Water circuit at 90/70ºC*

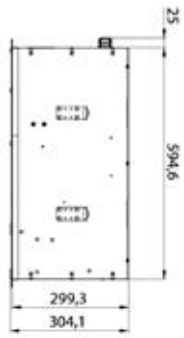
Water battery technical characteristics

Model	Airflow ref. (m³/h)	Thread connection	Temperature gradient 80/60ºC				Temperature gradient 60/40ºC			
			Heat power (kW)	Air outlet temperature (ºC)	Water level (l/s)	Loss of load (kPa)	Heat power (kW)	Air outlet temperature (ºC)	Water level (l/s)	Loss of load (kPa)
VCS-F-B-100-V	2140	G ¾"	20.2	46.4	0.2	8.8	20.2	46.4	0.2	8.8
VCS-F-B-150-V	3100	G ¾"	31.7	48.8	0.3	20.8	31.7	48.8	0.3	20.8
VCS-F-B-200-V	4280	G ¾"	43.1	48.3	0.5	17.7	43.1	48.3	0.5	17.7
VCS-F-B-250-V	5140	G ¾"	51	47.8	0.6	13.4	51	47.8	0.6	13.4
VCS-F-C-100-V	2800	G ¾"	23.8	43.6	0.2	10.9	23.8	43.6	0.2	10.9
VCS-F-C-150-V	3900	G ¾"	36.5	46.1	0.4	25.3	36.5	46.1	0.4	25.3
VCS-F-C-200-V	5070	G ¾"	46.7	45.6	0.5	19.8	46.7	45.6	0.5	19.8
VCS-F-C-250-V	5860	G ¾"	51	47.8	0.6	13.4	51	47.8	0.6	13.4

**Air inlet temperature = +18ºC*

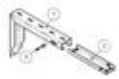
Dimensions in mm

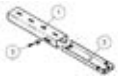




Model	A	B	C
VCS-F-x-100	1085	1125	1167
VCS- F-x-150	1585	1625	1667
VCS- F-x-200	2085	2125	2167
VCS- F-x-250	2465	2505	2547

Accessories


VCS4-KONZ-STE


VCS4-KONZ-STR


DS


DK-1


TV1-1/1


ZV-3


MV-3


TER-P


KABEL