

ROTOWIND VRF-CA | Heat Pump Energy Saving Air Curtains For CARRIER Outdoor Units (VRF)



Characteristics



- Energy saving heat pump air curtains: Up to 70% reduction in costs and CO₂ emissions (heating mode).
- Specially designed to be installed in all type of revolving doors. Two possible layouts, tailored dimensions: standard (on top mounting) or inverted (false ceiling mounting).
- Self-supporting casing construction made of galvanized steel plate, finished in structural epoxy-polyester painting white colour RAL9016 as standard. Other colours or stainless steel are available on request.
- Large perforated inlet grille avoiding intensive maintenance.
- Circular anodized aluminium outlet vanes, airfoil shaped.
- EC Double-inlet centrifugal fans driven by an external rotor motor and low noise level, with very low consumption efficiency fans.
- Includes direct expansion coil with sensors. Optional condensate water pump.
- CS-5DX-NE Plug&Play control with 5 speeds and telephone cable 7m included.
- Requires CARRIER VRF Interface KIT adapted for air curtain, programmable control and expansion valve, please consult.
- Ready to connect to CARRIER VRF outdoor heat pump unit (R410A), not included, the customer should purchase it.

Specifications

Model	Airflow m ³ /h	Carrier Direct Expansion Valve	Power Fan 230V-50Hz kW	Current Fan 230V-50Hz A	Noise Level (5 m) dB(A)	Weight kg
ROTO ECG 1000 VRF10-CA	2190	MMDXV140	0,213	1,86	61	-
ROTO ECG 1500 VRF13-CA	2920	MMDXV140	0,284	2,48	62	-
ROTO ECG 1500 VRF15-CA	2920	MMDXV140	0,284	2,48	62	-
ROTO ECG 2000 VRF20-CA	4380	MMDXV280	0,426	3,72	63	-
ROTO ECG 2000 VRF24-CA	4380	MMDXV280	0,426	3,72	63	-
ROTO ECG 2500 VRF25-CA	5110	MMDXV280	0,497	4,34	64	-
ROTO ECG 2500 VRF29-CA	5110	MMDXV280	0,497	4,34	64	-

CARRIER VRF Outdoor Units

XPower Mini VRF and XPower VRF 2 pipes (Heat Pump)

XPower VRF 3 pipes (Heat Recovery)



When adverse weather conditions, the outdoor unit capacity can decrease. It is recommendable to oversize the units.

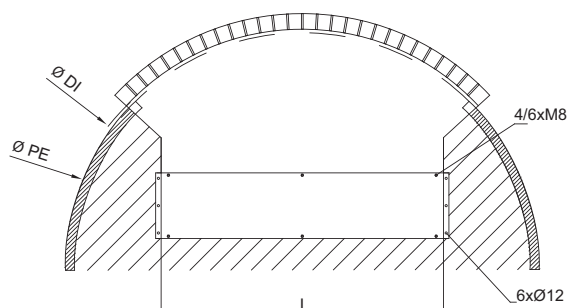
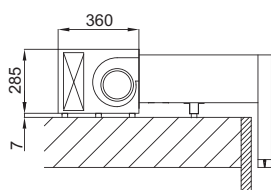
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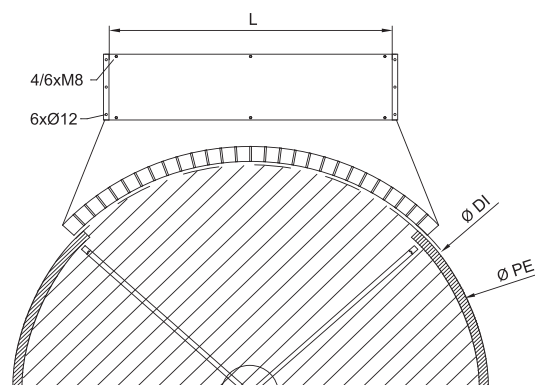
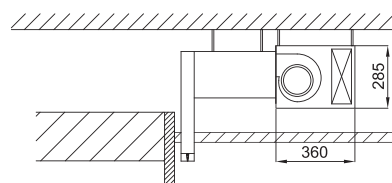
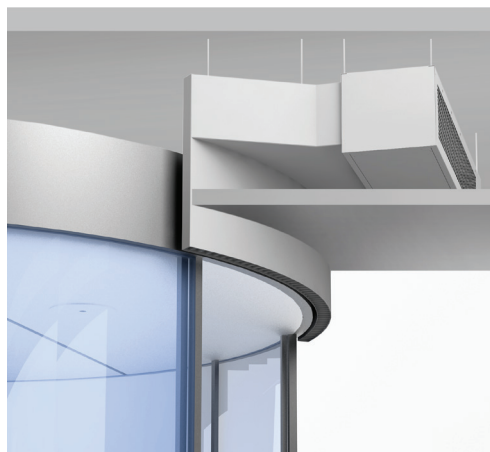
Layouts and dimensions

Rotowind air curtains are tailor-made for any kind of revolving door according to the following layouts:

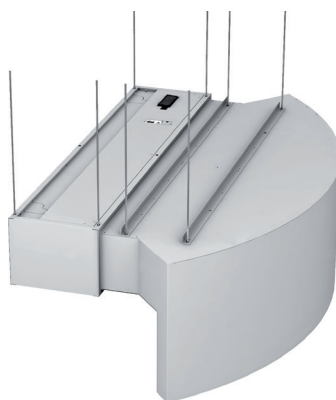
Standard: On top mounting



Inverted: False ceiling mounting



Fixation system



Optional decorative front cover



Fixed onto the door

Hanging from the ceiling

RAL 9016 (standard), optional:

- Colour from RAL palette
- Stainless steel AISI 304