Characteristics

- Energy saving heat pump air curtains: Up to 70% reduction in costs and CO_2 emissions (heating mode).
- Specially designed for applications where the body of the air curtain is to be installed inside a column or bulkhead for architectural reasons.
- 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.
- The air flow of Invisair follows a straight line from the air inlet grille to the to the discharge. Inlet area inside a bulkhead or column should be designed with suitable grille provided by others.
- Anodized aluminium outlet vanes, airfoil shaped, adjustable from 0 to 15° each side.
- 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	Carrier Direct Expansion Valve	Power Fan 230V-50Hz	Current Fan 230V-50Hz	Noise Level (5 m)	Weight
	m³/h		kW	A	dB(A)	kg
IECG 1500 VRF13-CA	2920	MMDXV140	0,284	2,48	62	69
IECG 1500 VRF15-CA	2920	MMDXV140	0,284	2,48	62	69
IECG 2000 VRF20-CA	4380	MMDXV280	0,426	3,72	63	89
IECG 2000 VRF24-CA	4380	MMDXV280	0,426	3,72	63	89
IECG 2500 VRF25-CA	5110	MMDXV280	0,497	4,34	64	94
IECG 2500 VRF29-CA	5110	MMDXV280	0,497	4,34	64	94

CARRIER VRF Outdoor Units

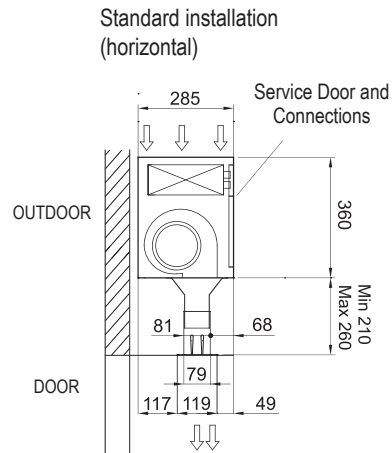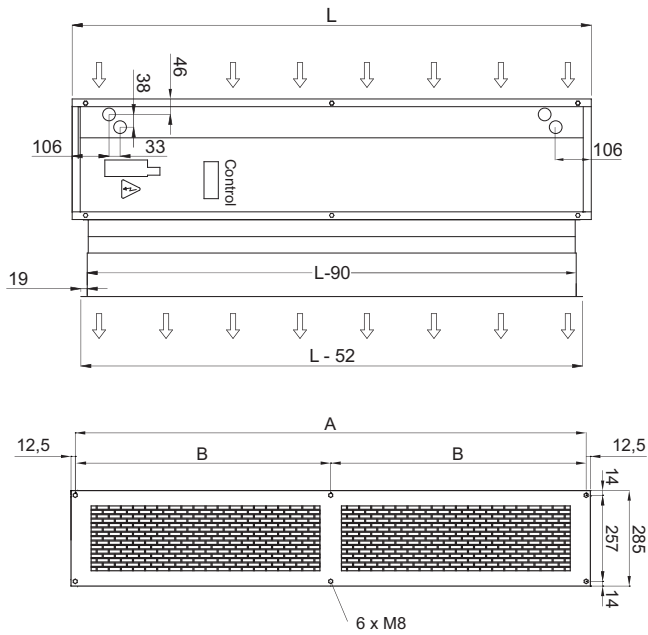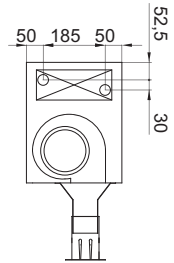XPower Mini VRF and XPower VRF 2 pipes (Heat Pump)   XPower VRF 3 pipes (Heat Recovery)

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

Layouts and dimensions

Standard installation (horizontal)

OPTIONAL Connections with lateral entrance

Invisair	L	A	B
1500	1550	1525	762,5
2000	2055	2030	1015
2500	2555	2530	1265

Installation example