



Characteristics



- Energy saving heat pump air curtains: Up to 70% reduction in costs and CO₂ 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. It can be vertically or horizontally mounted.
- 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 efficient 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 MITSUBISHI ELECTRIC DX Interface KIT adapted for air curtain and programmable control, please consult.
- Ready to connect to MITSUBISHI ELECTRIC Standard and Power Inverter outdoor heat pump unit (R410A) with expansion valve, not included, the customer should purchase it.

Specifications

Model	Airflow m ³ /h	Outdoor Unit (*) 230Vx1	Outdoor Unit (*) 400Vx3	Power Fans 230V-50Hz kW	Current Fans 230V-50Hz A	Noise Level (5 m) dB(A)	Weight kg
IECG 1500 DX14-ME	2920	PUHZ-ZRP125VKA	PUHZ-ZRP125YKA	0,300	2,60	62	69
IECG 2000 DX22-ME	4380	-	PUHZ-ZRP200YKA	0,450	3,90	63	89
IECG 2000 DX24-ME	4380	-	PUHZ-ZRP250YKA	0,450	3,90	63	89
IECG 2500 DX27-ME	5110	-	PUHZ-ZRP250YKA	0,525	4,55	64	94

(*) Includes direct expansion valve.

MITSUBISHI Power Inverter (*) Outdoor Units	Heating Capacity	Heating Power	SCOP or COP	Cooling Capacity	Cooling Power	SEER or EER	Power Supply	Pipes Gas Liquid		Pipes Minimum Length	Pipes Maximum Length	Pipes Maximum Height
	kW	kW		kW	kW			inch	inch	m	m	m
PUHZ-ZRP125VKA	14,0	3,63	3,86	12,5	4,05	3,09	230Vx1	5/8	3/8	-	75	30
PUHZ-ZRP125YKA	14,0	3,63	3,86	12,5	4,05	3,09	400Vx3	5/8	3/8	-	75	30
PUHZ-ZRP200YKA	22,4	6,94	3,23	19,0	6,46	2,94	400Vx3	1	3/8	-	100	30
PUHZ-ZRP250YKA	27,0	8,94	3,75	22,0	8,31	2,65	400Vx3	1	1/2	-	100	30

(*) Also compatible with Standard Inverter outdoor units.

Energy efficiency: SCOP/SEER seasonal ≤12kW, COP/EER >12kW.

Outdoor unit capacities depending on standard conditions: heating 20°CDB indoor / 7°CDB and 6°CWB outdoor, cooling 27°CDB and 19°CWB indoor / 35°CDB outdoor.

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



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- 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 MITSUBISHI ELECTRIC VRF Interface KIT adapted for air curtain with expansion valve and programmable control, please consult.
- Ready to connect to MITSUBISHI ELECTRIC VRF outdoor heat pump unit (R410A), not included, the customer should purchase it.

Specifications

Model	Airflow m ³ /h	Power Fans 230V-50Hz kW	Current Fans 230V-50Hz A	Noise Level (5 m) dB(A)	Weight kg	Mitsubishi Electric Kit Interface VRF (*)
IECG 1500 VRF13-ME	2920	0,300	2,60	62	69	PAC-AH125M-J
IECG 1500 VRF15-ME	2920	0,300	2,60	62	69	PAC-AH125M-J
IECG 2000 VRF20-ME	4380	0,450	3,90	63	89	PAC-AH250M-J
IECG 2000 VRF24-ME	4380	0,450	3,90	63	89	PAC-AH250M-J
IECG 2500 VRF25-ME	5110	0,525	4,55	64	94	PAC-AH250M-J
IECG 2500 VRF29-ME	5110	0,525	4,55	64	94	PAC-AH250M-J

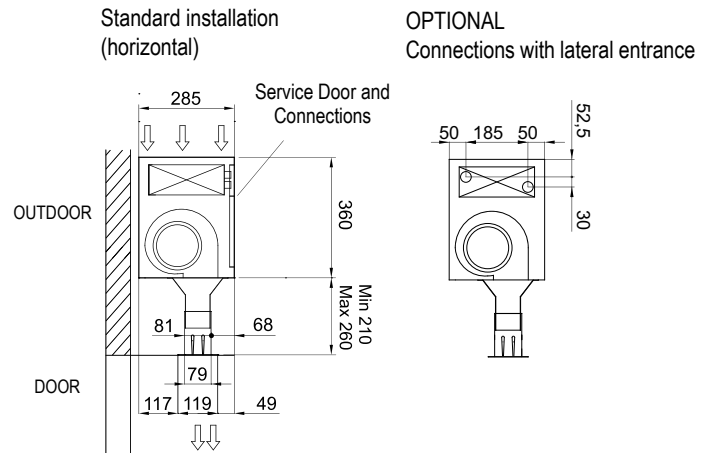
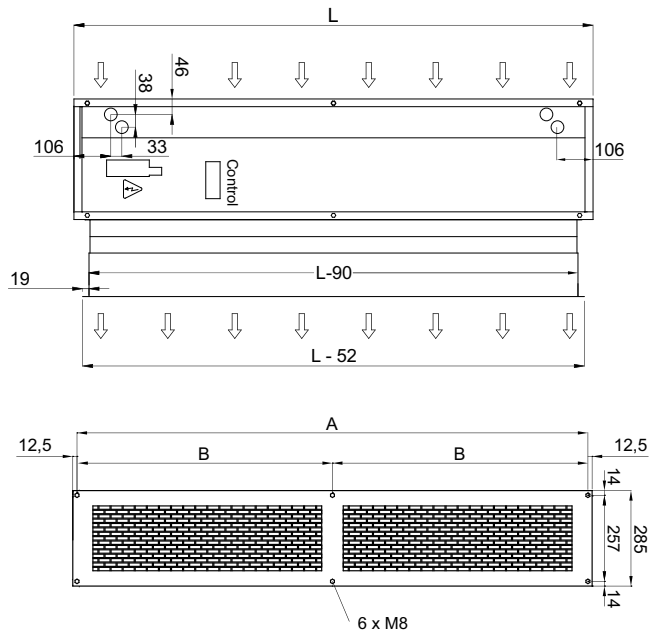
(*) Includes direct expansion valve.

MITSUBISHI ELECTRIC VRF compatible Outdoor Units	
Range	Series
City Multi	S/Y (Heat Pump)
City Multi	R2 (Heat Recovery)
Mr. Slim	Standard Inverter
Mr. Slim	Power Inverter
Mr. Slim	Zubadan
Industrial	Standard Inverter
Industrial	Power Inverter

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



Layouts and dimensions



Invisair	L	A	B
1500	1550	1525	726,5
2000	2055	2030	1015
2500	2555	2530	1265

Installation example

