



Technical Features



RAL 9016
standard



Other colors
on request



Range
Up to 4,2 m



Heating types
Heat Pump
Gas R32 / R410a



Casing
Galvanised Steel
Self-Supporting



Airflow / Length
2920 - 5110 m³/h
1,5m to 2,5m



Heating capacity
13,5 - 27 kW



Grille type
Rectangular perforated
33x10



Fans
Centrifugal
5-speed



Control
Plug&Play Advanced PRO
+ IR remote control
(Optional Clever Pro)



Outlet vanes
Aluminium, airfoil type
Adjustable 0-15° each side

INVISAIR air curtain is designed to be installed invisibly in false ceilings and columns or drawers around the door. It is an ideal solution for those entrances that for architectural reasons require an air curtain installation that is fully integrated into the interior design of the building.

In heating, it reduces consumption and CO2 emissions by up to 70%.

Prepared to connect to LG Inverter heat pump (R32/R410) with direct expansion valve, not included, to be purchased by the customer.

Sensors pre-installed in the direct expansion coil.

Efficient EC centrifugal fans with low consumption, double inlet with external rotor motor and low noise level. Internal pre-filter included.

Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 7m RJ11 cable and remote control.

Includes DX Interface Kit PAHCMRA000 adapted for the air curtain, and LG PREMTB001 programmable control.

AIR CURTAIN SPECIFICATIONS

Model	Airflow m³/h	Ventilation power 230V-50/60Hz kW	Ventilation Current 230V-50/60Hz A	Outdoor unit (*) 230Vx1	Outdoor unit (*) 400Vx3	Pipes gas-liquid inch	Noise Level (5 m) dB(A)	Weight kg
IECG 1000 DX10-LG	2190	0,213	1,86	UUD1 U30	UUD3 U30	5/8" - 3/8"	61	61
IECG 1500 DX15-LG	2920	0,284	2,48	UUD1 U30	UUD3 U30	5/8" - 3/8"	62	69
IECG 2000 DX20-LG	4380	0,426	3,72	-	UU70W U34	1"1/8 - 3/8"	63	89
IECG 2000 DX22-LG	4380	0,426	3,72	-	UU70W U34	1"1/8 - 3/8"	63	89
IECG 2500 DX22-LG	5110	0,497	4,34	-	UU70W U34	1"1/8 - 3/8"	64	94
IECG 2500 DX27-LG	5110	0,497	4,34	-	UU85W U74	7/8" - 1/2"	64	94
IECG 3000 DX27-LG	5840	0,568	4,96	-	UU85W U74	7/8" - 1/2"	65	108

(*) Includes direct expansion valve.

OUTDOOR UNIT SPECIFICATIONS

LG inverter model Outdoor Unit	Heating capacity kW	COP or SCOP	Cooling capacity kW	EER or SEER	Power supply	Pipes gas-liquid inch	Pipes minimum - maximum length m	Pipes maximum height m
UUD1 U30 (42)	13,5	4,5	12,1	7,4	230Vx1	5/8" - 3/8"	5 - 85	30
UUD1 U30 (48)	15,5	4,5	13,4	6,8	230Vx1	5/8" - 3/8"	5 - 85	30
UUD1 U30 (60)	17,5	4,5	15	6,6	230Vx1	5/8" - 3/8"	5 - 85	30
UUD3 U30 (36)	10,8	4,5	9,5	7,6	400Vx3	5/8" - 3/8"	5 - 85	30
UUD3 U30 (42)	13,5	4,5	12,1	7,4	400Vx3	5/8" - 3/8"	5 - 85	30
UUD3 U30 (48)	15,5	4,5	13,4	6,8	400Vx3	5/8" - 3/8"	5 - 85	30
UUD3 U30 (60)	17,5	4,5	15	6,6	400Vx3	5/8" - 3/8"	5 - 85	30
UU70W U34	22,4	3,5	19	2,84	400Vx3	1"1/8 - 3/8"	5 - 75	30
UU85W U74	27	3,25	23	2,81	400Vx3	7/8" - 1/2"	5 - 75	30

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.

(*) Outdoor units with R32 gas: UUD1 U30. Outdoor units with R410A gas: UU70W U34 and UU85W U74.



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Casing
Galvanised Steel
Self-Supporting



Airflow / Length
2920 - 5110 m³/h
1,5m to 2,5m



Heating capacity
15 - 29 kW



Grille type
Rectangular perforated
40x4



Fans
Centrifugal
5-speed



Control
Plug&Play Advanced PRO
+ IR remote control
(Optional Clever Pro)



Outlet vanes
Aluminium, airfoil type
Adjustable

INVISAIR air curtain is designed to be installed invisibly in false ceilings and columns or drawers around the door. It is an ideal solution for those entrances that for architectural reasons require an air curtain installation that is fully integrated into the interior design of the building.

In heating, it reduces consumption and CO2 emissions by up to 70%.

Prepared to connect to LG VRF outdoor heat pump unit (R32/R410) with direct expansion valve, not included, to be purchased by the customer.

Sensors pre-installed in the direct expansion coil.

Efficient EC centrifugal fans with low consumption, double inlet with external rotor motor and low noise level. Internal pre-filter included.

Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 7m RJ11 cable and remote control.

Requires LG VRF Interface KIT adapted for air curtain and programmable control, please consult.

AIR CURTAIN SPECIFICATIONS

Model	Airflow m³/h	Ventilation power 230V-50/60Hz kW	Ventilation current 230V-50/60Hz A	Expansion valve	Pipes gas-liquid inch	Noise Level (5 m) dB(A)	Weight kg
IECG 1000 VRF10-LG	2190	0,213	1,86	PRLK048A0	5/8" - 3/8"	61	61
IECG 1500 VRF15-LG	2920	0,284	2,48	PRLK048A0	5/8" - 3/8"	62	59
IECG 2000 VRF20-LG	4380	0,426	3,72	PRLK048A0	1"1/8 - 3/8"	63	92
IECG 2000 VRF24-LG	4380	0,426	3,72	PRLK048A0	1"1/8 - 3/8"	63	92
IECG 2500 VRF25-LG	5110	0,497	4,34	PRLK048A0	1"1/8 - 3/8"	64	96
IECG 2500 VRF29-LG	5110	0,497	4,34	PRLK048A0	7/8" - 1/2"	64	96
IECG 3000 VRF29-LG	5840	0,568	4,96	PRLK048A0	7/8" - 1/2"	65	108
IECG 3000 VRF34-LG	5840	0,568	4,96	PRLK048A0	7/8" - 1/2"	65	108

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

The VRF-compatible models are as follows:

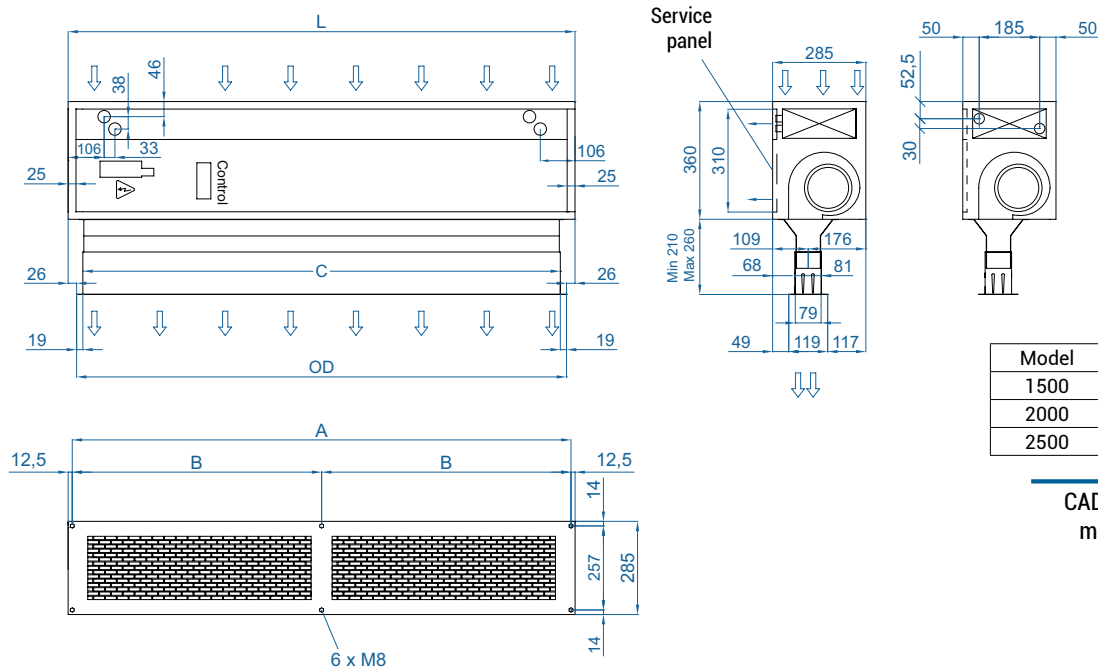
- Multi V S
- Multi V 5
- Multi V IV



Selection program



Dimensions



CAD drawings, BIM files, installation
manuals and other documentation



Accessories

Supports and installation



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Gripple hanger
SPCT



Angle support
SPWA

Control



ADVANCED PRO
✓ Included



IR Control
✓ Included



RJ11 Cable
✓ Included



CLEVER PRO

Sensors and valves



Magnetic door contact
DC
✓ Included



Mechanical door contact
DC