



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
1640 - 5840 m³/h
1m to 3m



Heating capacity
7,9 - 27 kW



Grille type
Rectangular perforated
49x3



Fans
Centrifugal
5-speed



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



Outlet vanes
Aluminium, airfoil type
Adjustable

SMART air curtain combines the best technological features with high quality design and finishes. Contemporary, discreet and elegant, it is provided with smooth frontal panel as the air entrance is hidden and placed at the upper side, out of sight, thus avoiding interior vision of the air curtain and the grille. SMART is halfway between the standard and the decorative range, and it is of great value for commercial and public spaces that need to ensure an efficient and sustainable climatization, without bursting into the interior architecture and design of the premises.

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. As an option, under request, it can also work in cold mode (refrigeration), with optional condensate water pump.

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 in	Noise level (5 m) dB(A)	Weight kg
SMART ECM 1000 DX8-LG	1640	0,142	1,24	UUC1 U40	-	5/8" - 3/8"	56	39
SMART ECM 1500 DX11-LG	2460	0,213	1,86	UUD1 U30	UUD3 U30	5/8" - 3/8"	57	58
SMART ECM 2000 DX16-LG	3280	0,284	2,48	UUD1 U30	UUD3 U30	5/8" - 3/8"	58	73
SMART ECM 2500 DX22-LG	4100	0,355	3,10	-	UU70W U34	1"1/8 - 3/8"	59	79
SMART ECM 3000 DX27-LG	4920	0,426	3,72	-	UU85W U74	7/8" - 1/2"	60	81
SMART ECG 1000 DX10-LG	2190	0,213	1,86	UUD1 U30	UUD3 U30	5/8" - 3/8"	61	44
SMART ECG 1500 DX15-LG	2920	0,284	2,48	UUD1 U30	UUD3 U30	5/8" - 3/8"	62	64
SMART ECG 2000 DX20-LG	4380	0,426	3,72	-	UU70W U34	1"1/8 - 3/8"	63	83
SMART ECG 2000 DX22-LG	4380	0,426	3,72	-	UU70W U34	1"1/8 - 3/8"	63	83
SMART ECG 2500 DX22-LG	5110	0,497	4,34	-	UU70W U34	1"1/8 - 3/8"	64	87
SMART ECG 2500 DX27-LG	5110	0,497	4,34	-	UU85W U74	7/8" - 1/2"	64	87
SMART ECG 3000 DX27-LG	5840	0,568	4,96	-	UU85W U74	7/8" - 1/2"	65	99

(*) 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 in	Pipes minimum - maximum length m	Pipes maximum height m
UUC1 U40	7,9	4,8	6,8	8,5	230Vx1	5/8" - 3/8"	5 - 50	30
UUD1 U30 (36)	10,8	4,5	9,5	7,6	230Vx1	5/8" - 3/8"	5 - 85	30
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 ≤ 12 kW, COP/EER > 12 kW.

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: UUC1 U40 and UUD1 U30. Outdoor units with R410A gas: UU70W U34 and UU85W U74.



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Range
Up to 4,2 m



Heating types
Heat Pump
Gas R32 / R410a



Casing
Galvanised Steel
Self-Supporting



Airflow / Length
1640 - 5840 m³/h
1m to 3m



Heating capacity
8 - 34 kW



Grille type
Rectangular perforated
49x3



Fans
Centrifugal
5-speed



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



Outlet vanes
Aluminium, airfoil type
Adjustable

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n 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. As an option, under request, it can also work in cold mode (refrigeration), with optional condensate water pump.

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 in	Noise level (5 m) dB(A)	Weight kg
SMART ECM 1000 VRF8-LG	1640	0,142	1,24	PRLK048A0	5/8" - 3/8"	56	39
SMART ECM 1500 VRF12-LG	2460	0,213	1,86	PRLK048A0	5/8" - 3/8"	57	58
SMART ECM 2000 VRF16-LG	3280	0,284	2,48	PRLK048A0	5/8" - 3/8"	58	73
SMART ECM 2000 VRF19-LG	3280	0,284	2,48	PRLK048A0	5/8" - 3/8"	58	73
SMART ECM 2500 VRF21-LG	4100	0,355	3,10	PRLK048A0	1"1/8 - 3/8"	59	79
SMART ECM 2500 VRF24-LG	4100	0,355	3,10	PRLK048A0	1"1/8 - 3/8"	59	79
SMART ECM 3000 VRF26-LG	4920	0,426	3,72	PRLK048A0	7/8" - 1/2"	60	91
SMART ECG 1000 VRF10-LG	2190	0,213	1,86	PRLK048A0	5/8" - 3/8"	61	44
SMART ECG 1500 VRF15-LG	2920	0,284	2,48	PRLK048A0	5/8" - 3/8"	62	64
SMART ECG 2000 VRF20-LG	4380	0,426	3,72	PRLK048A0	1"1/8 - 3/8"	63	83
SMART ECG 2000 VRF24-LG	4380	0,426	3,72	PRLK048A0	1"1/8 - 3/8"	63	83
SMART ECG 2500 VRF25-LG	5110	0,497	4,34	PRLK048A0	1"1/8 - 3/8"	64	87
SMART ECG 2500 VRF29-LG	5110	0,497	4,34	PRLK048A0	7/8" - 1/2"	64	87
SMART ECG 3000 VRF29-LG	5840	0,568	4,96	PRLK048A0	7/8" - 1/2"	65	99
SMART ECG 3000 VRF34-LG	5840	0,568	4,96	PRLK096A0	7/8" - 1/2"	65	99

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

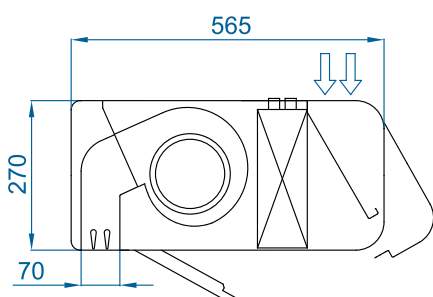
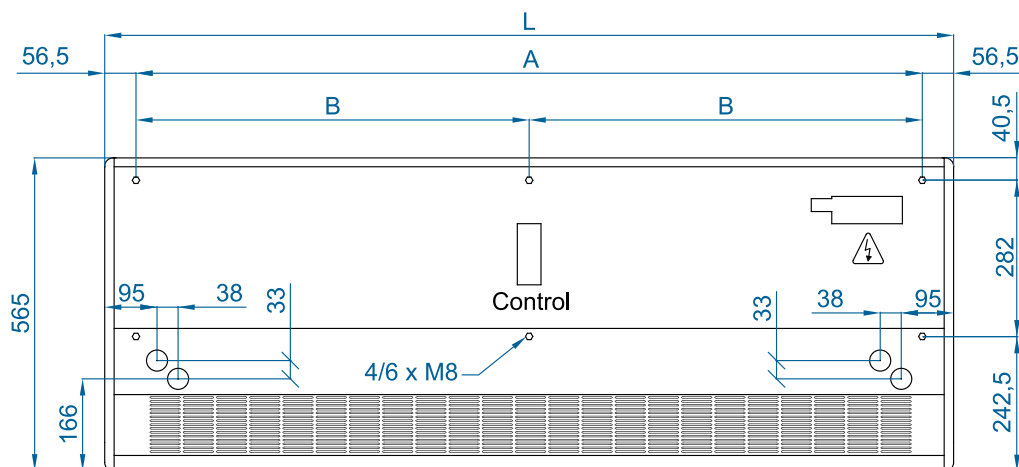
Los modelos compatibles con VRF son los siguientes:

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



Selection program

Dimensions



Model	L	A	B
1000	1034	920	-
1500	1534	1420	710
2000	2034	1920	960
2500	2534	2420	1210
3000	3034	2920	1460

CAD drawings, BIM files, installation
manuals and other documents



Accessories

Supports and installation



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Gripper hanger
SPCT

Control



ADVANCED PRO
✓ Included



IR Control
✓ Included



RJ11 Cable
✓ Included



CLEVER PRO

Sensors and valves



Magnetic door contact
DC
✓ Included



Mechanical door contact
DC



Condensate water pump
for DX air curtains