



Technical Features



RAL 9016 standard



Stainless steel



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
Micro-perforated with
pre-filter included



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

WINDBOX air curtains range provide equipment suitable for all types of commercial entrances. A compact and robust air curtain from our standard range with a timeless design, ready for visible installation over the door and prepared for multiple false ceiling installation configurations. 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 inch	Noise level (5 m) dB(A)	Weight kg
ECM 1000 DX8-LG	1640	0,142	1,24	UUC1 U40	-	5/8" - 3/8"	56	35
ECM 1500 DX11-LG	2460	0,213	1,86	UUD1 U30	UUD3 U30	5/8" - 3/8"	57	53
ECM 2000 DX16-LG	3280	0,284	2,48	UUD1 U30	UUD3 U30	5/8" - 3/8"	58	69
ECM 2500 DX22-LG	4100	0,355	3,10	-	UU70W U34	1"1/8 - 3/8"	59	86
ECM 3000 DX27-LG	4920	0,426	3,72	-	UU85W U74	7/8" - 1/2"	60	103
ECG 1000 DX10-LG	2190	0,213	1,86	UUD1 U30	UUD3 U30	5/8" - 3/8"	61	50
ECG 1500 DX15-LG	2920	0,284	2,48	UUD1 U30	UUD3 U30	5/8" - 3/8"	62	59
ECG 2000 DX20-LG	4380	0,426	3,72	-	UU70W U34	1"1/8 - 3/8"	63	92
ECG 2000 DX22-LG	4380	0,426	3,72	-	UU70W U34	1"1/8 - 3/8"	63	92
ECG 2500 DX22-LG	5110	0,497	4,34	-	UU70W U34	1"1/8 - 3/8"	64	96
ECG 2500 DX27-LG	5110	0,497	4,34	-	UU85W U74	7/8" - 1/2"	64	96
ECG 3000 DX27-LG	5840	0,568	4,96	-	UU85W U74	7/8" - 1/2"	65	109

(*) Includes direct expansion valve.

OUTDOOR UNIT SPECIFICATIONS

LG Inverter outdoor unit model	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
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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Up to 4,2 m



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Heat Pump
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Casing
Galvanised Steel
Self-Supporting



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



Heating capacity
8 - 34 kW



Grille type
Micro-perforated with
pre-filter included



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

WINDBOX air curtains range provide equipment suitable for all types of commercial entrances. A compact and robust air curtain from our standard range with a timeless design, ready for visible installation over the door and prepared for multiple false ceiling installation configurations.

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. 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, expansion valve 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
ECM 1000 VRF8-LG	1640	0,142	1,24	PRLK048A0	5/8" - 3/8"	56	35
ECM 1500 VRF12-LG	2460	0,213	1,86	PRLK048A0	5/8" - 3/8"	57	53
ECM 2000 VRF16-LG	3280	0,284	2,48	PRLK048A0	5/8" - 3/8"	58	69
ECM 2000 VRF19-LG	3280	0,284	2,48	PRLK048A0	5/8" - 3/8"	58	69
ECM 2500 VRF21-LG	4100	0,355	3,10	PRLK048A0	1"1/8 - 3/8"	59	86
ECM 2500 VRF24-LG	4100	0,355	3,10	PRLK048A0	1"1/8 - 3/8"	59	86
ECM 3000 VRF26-LG	4920	0,426	3,72	PRLK048A0	7/8" - 1/2"	60	103
ECG 1000 VRF10-LG	2190	0,213	1,86	PRLK048A0	5/8" - 3/8"	61	50
ECG 1500 VRF15-LG	2920	0,284	2,48	PRLK048A0	5/8" - 3/8"	62	59
ECG 2000 VRF20-LG	4380	0,426	3,72	PRLK048A0	1"1/8 - 3/8"	63	92
ECG 2000 VRF24-LG	4380	0,426	3,72	PRLK048A0	1"1/8 - 3/8"	63	92
ECG 2500 VRF25-LG	5110	0,497	4,34	PRLK048A0	1"1/8 - 3/8"	64	96
ECG 2500 VRF29-LG	5110	0,497	4,34	PRLK048A0	7/8" - 1/2"	64	96
ECG 3000 VRF29-LG	5840	0,568	4,96	PRLK048A0	7/8" - 1/2"	65	109
ECG 3000 VRF34-LG	5840	0,568	4,96	PRLK096A0	7/8" - 1/2"	65	109

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

VRF-compatible models are as follows:

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

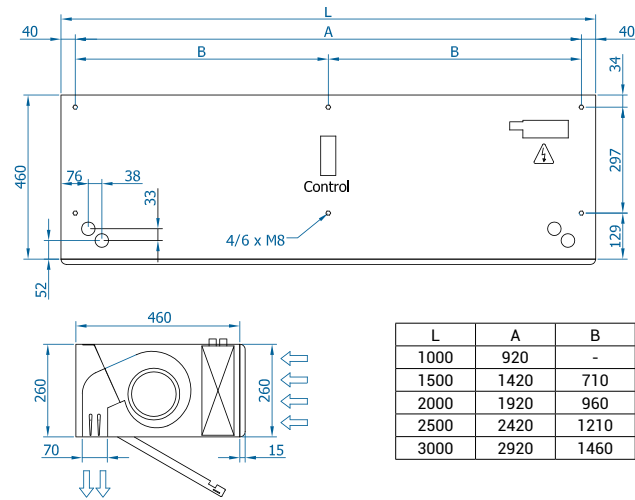


Selection program

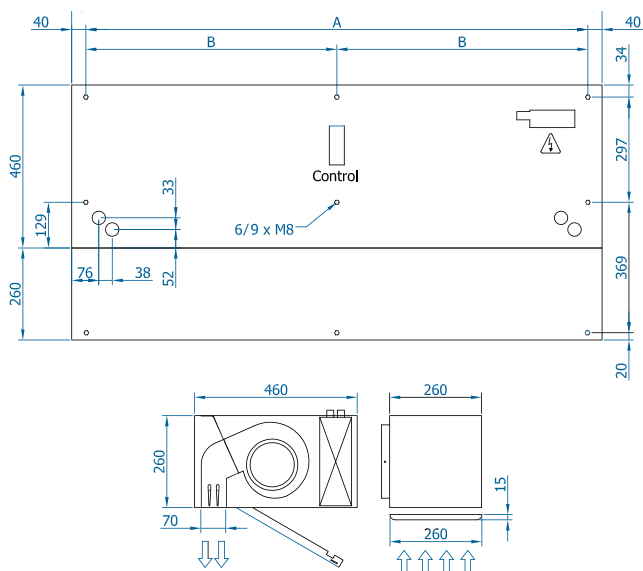


Dimensions

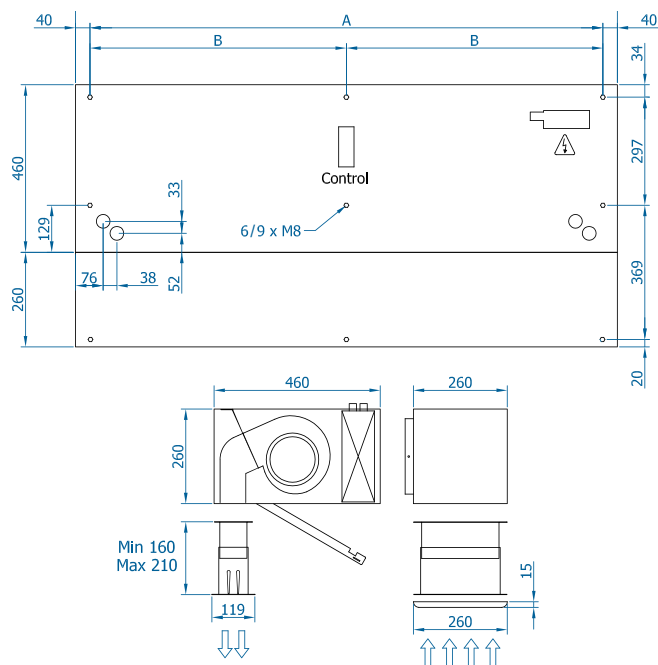
Horizontal free hanging Installation



Inside ceiling surface mounting



False ceiling invisible mounting

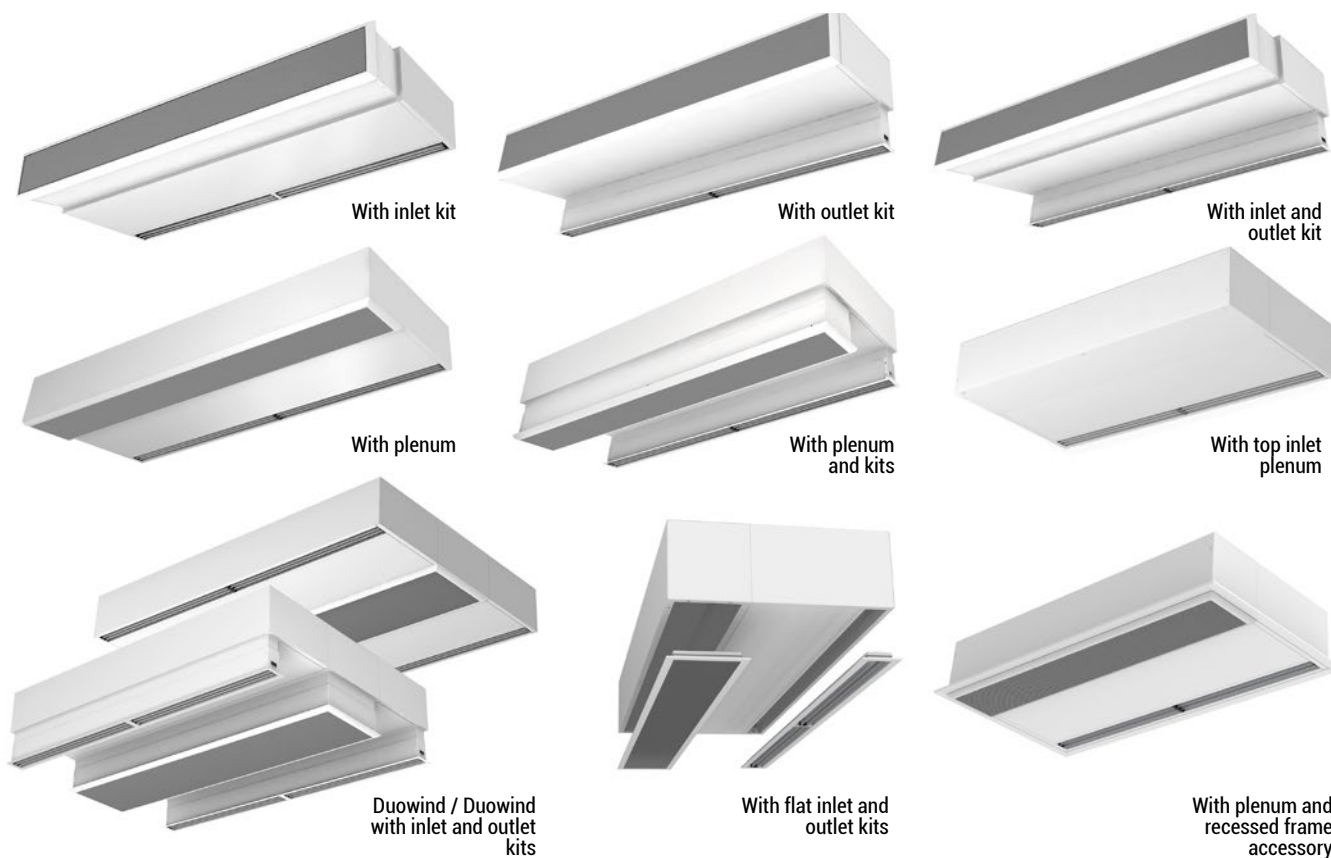


CAD drawings, BIM files, installation manuals and other documents





Installation configurations



Accessories

Supports and installation



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Gripple 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