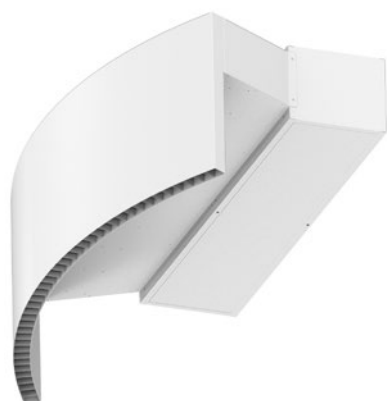




Technical Features



Range
Up to 4,2 m



Heating types
**Heat Pump
Gas R32 / R410**



Casing
**Galvanised Steel
Self-Supporting**



Airflow / Length
**2190 - 5110 m³/h
1m to 2,5m**



Heating capacity
10,8 - 27 kW



Grille type
**Rectangular perforated
33x10**



Fans
**Centrifugal
5-speed**



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



Outlet vanes
Airfoil type

RAL 9016
standard



Stainless
steel



Other colors
on request



ROTOWIND air curtains are custom designed to fit perfectly with the curvature of any revolving door. They can be mounted discreetly in two possible layout configurations, with tailored dimensions: standard (on top mounting) or inverted (false ceiling mounting).

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
ROTO ECG 1000 DX10-LG	2190	0,213	1,86	UUD1 U30	UUD3 U30	5/8" - 3/8"	61	-
ROTO ECG 1500 DX15-LG	2920	0,284	2,48	UUD1 U30	UUD3 U30	5/8" - 3/8"	62	-
ROTO ECG 2000 DX20-LG	4380	0,426	3,72	-	UU70W U34	1"1/8 - 3/8"	63	-
ROTO ECG 2000 DX22-LG	4380	0,426	3,72	-	UU70W U34	1"1/8 - 3/8"	63	-
ROTO ECG 2500 DX22-LG	5110	0,497	4,34	-	UU70W U34	1"1/8 - 3/8"	64	-
ROTO ECG 2500 DX27-LG	5110	0,497	4,34	-	UU85W U74	7/8" - 1/2"	64	-

(*) 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 (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 ≤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.



Technical Features



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Airflow / Length
**2190 - 5110 m³/h
1m to 2,5m**



Heating capacity
10 - 29 kW



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**Rectangular perforated
33x10**



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5-speed**



Control
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+ IR remote control
(Optional Clever Pro)**



Outlet vanes
Airfoil type

RAL 9016
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Other colors
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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 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
ROTO ECG 1000 VRF10-LG	2190	0,213	1,86	PRLK048A0	5/8" – 3/8"	61	-
ROTO ECG 1500 VRF15-LG	2920	0,284	2,48	PRLK048A0	5/8" – 3/8"	62	-
ROTO ECG 2000 VRF20-LG	4380	0,426	3,72	PRLK048A0	1"1/8 – 3/8"	63	-
ROTO ECG 2000 VRF24-LG	4380	0,426	3,72	PRLK048A0	1"1/8 – 3/8"	63	-
ROTO ECG 2500 VRF25-LG	5110	0,497	4,34	PRLK048A0	1"1/8 – 3/8"	64	-
ROTO ECG 2500 VRF29-LG	5110	0,497	4,34	PRLK048A0	7/8" – 1/2"	64	-

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

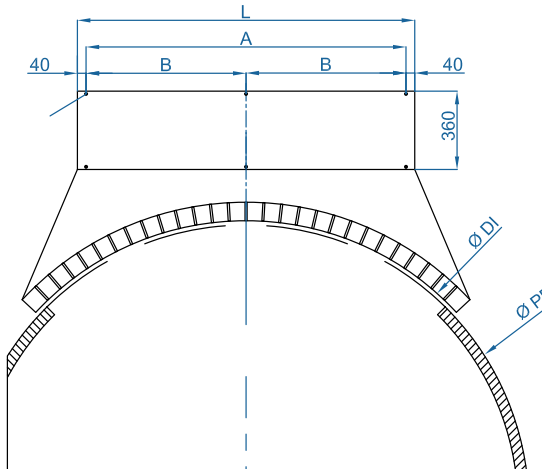
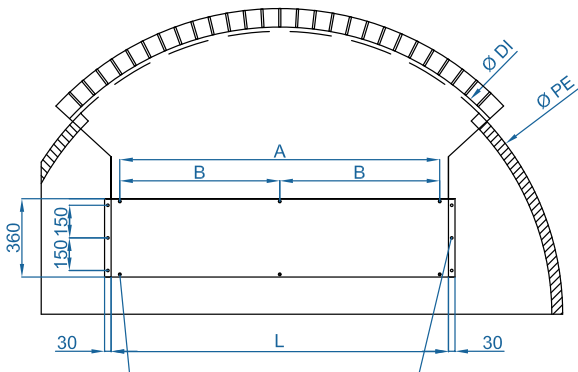
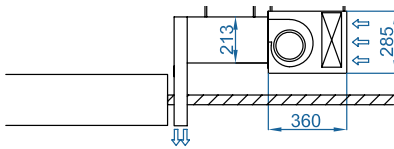
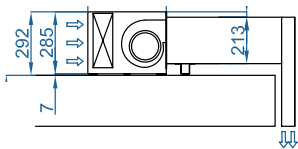
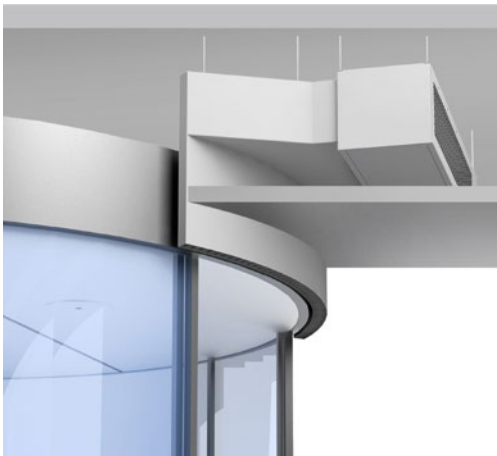


Dimensions

Standard: Installation above the door



Inverted: False ceiling installation



Model	L
1000	1050
1500	1550
2000	2055
2500	2555

ØDI	Inside outlet diameter
ØPE	External door diameter

CAD drawings, BIM files, installation manuals and other documentation





Accessories

Supports and installation



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