



Technical Features



Range
Up to 4,2 m



Heating types
Heat pump
Gas R32



Casing
Galvanised Steel
Self-Supporting



Airflow / Length
2190 - 5840 m³/h
1m to 3m



Heating capacity
9,7 - 28 kW



Grille type
Micro-perforated with
pre-filter included



Fans
EC Double Inlet
Centrifugal



Control
Plug&Play Advanced PRO
Interface Slave



Outlet vanes
Airfoil type
Adjustable 0-15° each side

RAL 9016
standard



Stainless
steel



Other colors
on request



WINDBOX air curtains range provide equipment suitable for all types of commercial entrances. A compact and robust galvanised steel 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. Its energy saving heat pump compatible version achieves a reduction of up to 70% in consumption and CO2 emissions (in heating mode). Prepared for connection to a TOSHIBA Inverter heat pump (R32) with direct expansion valve, not included. Interface Slave communication.

On request, the air curtain can be modified for cooling and heating operation (not recommended) with optional condensate water pump.

Air curtain specifications

Model	Airflow m³/h	Fans Power 230V-50/60Hz kW	Fans Power 230V-50/60Hz A	Outdoor unit 230Vx1	Outdoor unit 400Vx3	Gas-Liquid pipe connections inch	Noise Level (5 m) dB(A)	Weight kg
ECM 1500 DX12-TO	2460	0,213	1,86	RAV-GM1103ATP-E	RAV-GM1103AT8P-E	5/8" - 3/8"	57	53
ECM 2000 DX16-TO	3280	0,284	2,48	RAV-GM1603ATP-E	RAV-GM1603AT8P-E	5/8" - 3/8"	58	69
ECM 2500 DX21-TO	4100	0,355	3,10	-	RAV-GM2203AT8P-E	1" 1/8- 1/2"	59	86
ECM 3000 DX26-TO	4920	0,426	3,72	-	RAV-GM2803AT8P-E	1" 1/8- 1/2"	60	103
ECG 1000 DX10-TO	2190	0,213	1,86	RAV-GM1103ATP-E	RAV-GM1103AT8P-E	5/8" - 3/8"	61	50
ECG 1500 DX13-TO	2920	0,284	2,48	RAV-GM1403ATP-E	RAV-GM1404AT8P-E	5/8" - 3/8"	62	59
ECG 1500 DX15-TO	2920	0,284	2,48	RAV-GM1603ATP-E	RAV-GM2203ATP8-E	5/8" - 3/8"	62	59
ECG 2000 DX24-TO	4380	0,426	3,72	-	RAV-GM2203ATP8-E	1" 1/8- 1/2"	63	92
ECG 2500 DX25-TO	5110	0,497	4,34	-	RAV-GM2203ATP8-E	1" 1/8- 1/2"	64	96
ECG 2500 DX28-TO	5110	0,497	4,34	-	RAV-GM2803AT8P-E	1" 1/8- 1/2"	64	96
ECG 3000 DX28-TO	5840	0,568	4,96	-	RAV-GM2803AT8P-E	1" 1/8- 1/2"	65	109

Outdoor unit specifications

Outdoor unit model	Heating capacity kW	COP or SCOP	Cooling capacity kW	EER or SEER	Voltage	Gas-liquid pipes inch	Minimum pipe length m	Maximum pipe length m	Maximum pipe height m
RAV-GM1103ATP-E	11,6	4,2	9,5	5,3	230Vx1	5/8" - 3/8"	5	50	30
RAV-GM1103AT8P-E	11,6	4,2	9,5	5,3	400Vx3	5/8" - 3/8"	5	50	30
RAV-GM1404AT-E	13	4,2	12,1	5,4	230Vx1	5/8" - 3/8"	5	50	30
RAV-GM1403AT8P-E	13	4,2	12,1	5,4	400Vx3	5/8" - 3/8"	5	50	30
RAV-GM1603ATP-E	16	3,9	14	5,3	230Vx1	5/8" - 3/8"	5	50	30
RAV-GM1603AT8P-E	16	3,9	14	5,3	400Vx3	5/8" - 3/8"	5	50	30
RAV-GM2203ATP8-E	22,4	3,9	19	3,2	400Vx3	1" 1/8- 1/2"	5	100	30
RAV-GM2803AT8P-E	27	3,6	22,5	2,8	400Vx3	1" 1/8- 1/2"	5	100	30

Also compatible with the Super Digital Inverter range, up to 100m pipe length.



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Heat pump
Gas R410a

Casing
Galvanised Steel
Self-Supporting

Airflow / Length
2190 - 5840 m³/h
1m to 3m

Heating capacity
9,7 - 29 kW

Grille type
Micro-perforated with
pre-filter included

Fans
EC Double Inlet
Centrifugal

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

Outlet vanes
Airfoil type
Adjustable 0-15° each side

RAL 9016
standard



Stainless
steel



Other colors
on request



WINDBOX air curtains range provide equipment suitable for all types of commercial entrances. A compact and robust galvanised steel 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. Its energy saving heat pump compatible version achieves a reduction of up to 70% in consumption and CO2 emissions (in heating mode). Prepared for connection to TOSHIBA VRF heat pump (R410A) not included.

On request, the air curtain can be modified for cooling and heating operation (not recommended) with optional condensate water pump.

Air curtain specifications

Model	Airflow m ³ /h	Fans Power 230V-50/60Hz kW	Fans Current 230V-50/60Hz A	Expansion Valve	Gas-Liquid pipe connections inch	Noise Level (5 m) dB(A)	Weight kg
ECM 1500 VRF12-TO	2460	0,213	1,86	MM-DXV140	5/8" - 3/8"	57	53
ECM 2000 VRF16-TO	3280	0,284	2,48	MM-DXV140	5/8" - 3/8"	58	69
ECM 2500 VRF21-TO	4100	0,355	3,10	RBM-A101UPVA-E	1" 1/8 - 1/2"	59	86
ECM 3000 VRF26-TO	4920	0,426	3,72	RBM-A101UPVA-E	1" 1/8 - 1/2"	60	103
ECG 1000 VRF10-TO	2190	0,213	1,86	MM-DXV140	5/8" - 3/8"	61	50
ECG 1500 VRF13-TO	2920	0,284	2,48	MM-DXV140	5/8" - 3/8"	62	59
ECG 2000 VRF24-TO	4380	0,426	3,72	RBM-A101UPVA-E	1" 1/8 - 1/2"	63	92
ECG 2500 VRF25-TO	5110	0,497	4,34	RBM-A101UPVA-E	1" 1/8 - 1/2"	64	96
ECG 3000 VRF29-TO	5840	0,568	4,96	RBM-A101UPVA-E	1" 1/8 - 1/2"	65	109

VRF compatible models are as follows:

- SMMS-e Low Refrigerant Charge SMMS-e & MiNi SMMS-e
- SMMS-e
- SMMSu
- SHRM-e

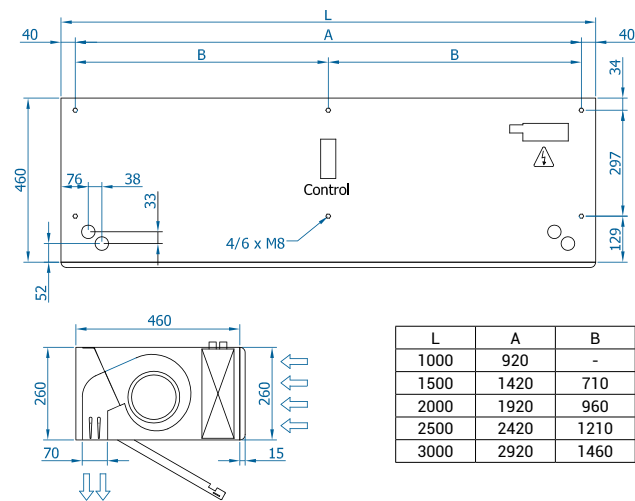


Selection program

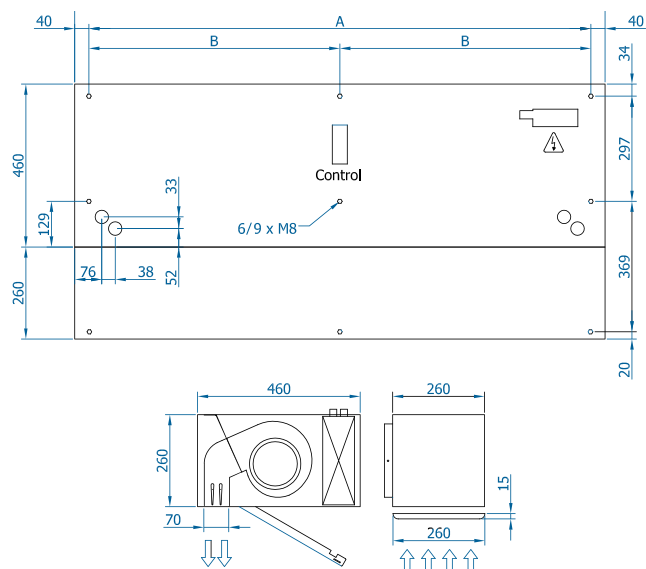


Dimensions

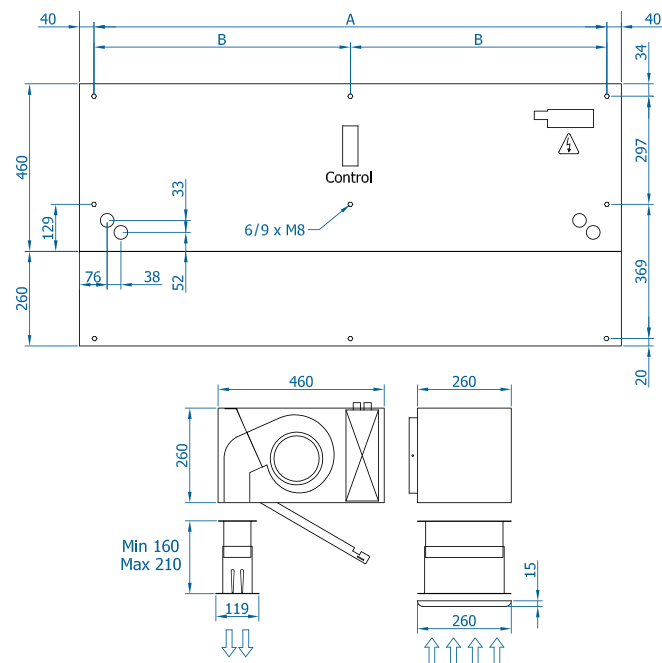
Horizontal free hanging Installation



Inside ceiling surface mounting



False ceiling invisible mounting

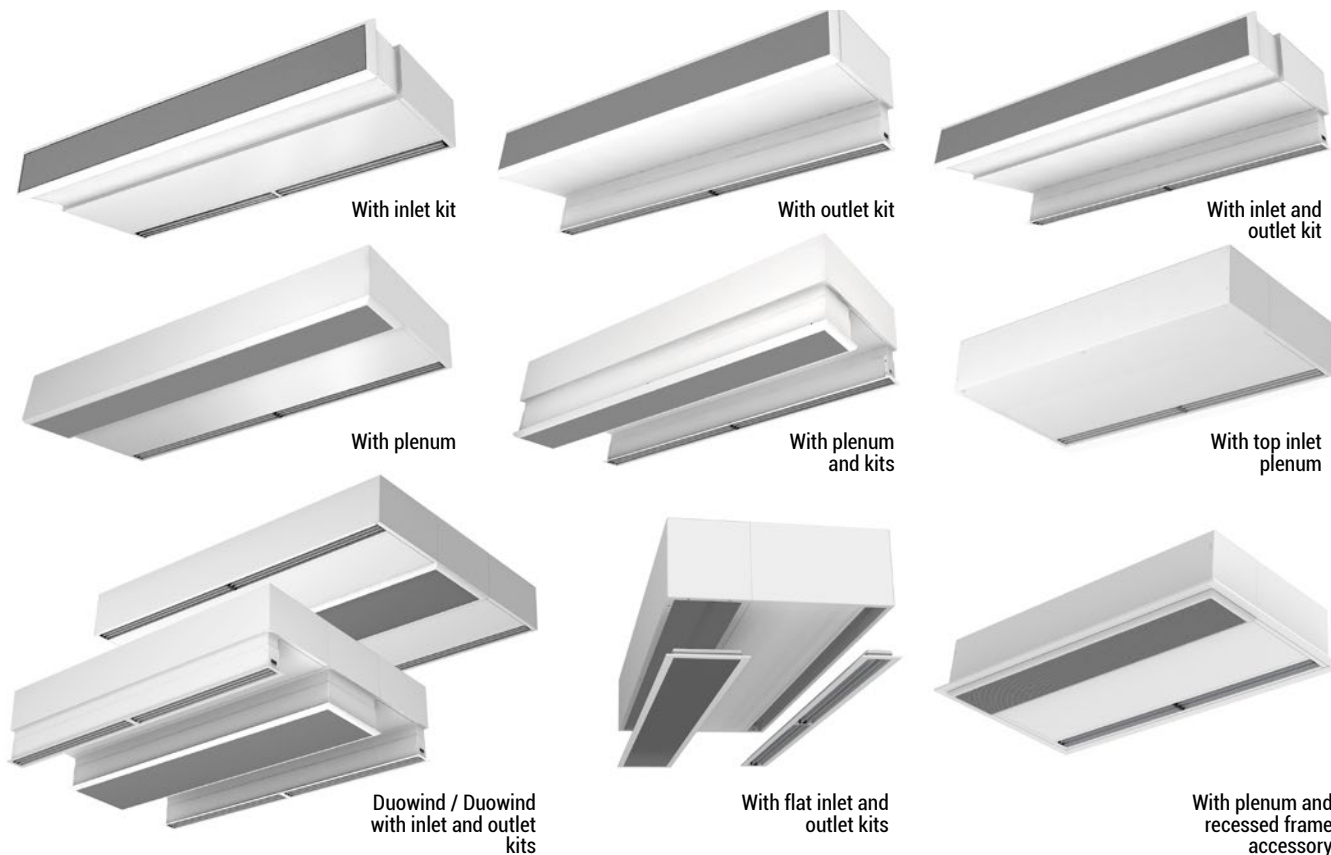


CAD drawings, BIM files, installation manuals and other documents





Installation configurations



Accessories

Supports



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



Magnetic door contact
DC
✓ Included



Mechanical door contact
DC