



Technical Features



Range
Up to 4,2 m

Heating types
Heat Pump
Gas R32 / R410a

Casing
Galvanised Steel
Self-Supporting

Airflow / Length
2460 - 5840 m³/h
1m to 3m

Heating capacity
12,5 - 31,5 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

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 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%.

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.

Plug&Play Slave DX control programmable according to the door status. Consult other regulation options (slave or master).

Ready to connect to DAIKIN Inverter outdoor heat pump unit (R410A) and expansion valve not included, the customer should purchase it.

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 1500 DX12-DA	2460	0,213	1,86	ERA 100 AV	ERA 100 AY	5/8" - 3/8"	57	53
ECM 2000 DX16-DA	3280	0,284	2,48	ERA 140 AV	ERA 140 AY	5/8" - 3/8"	58	69
ECM 2500 DX21-DA	4100	0,355	3,10	-	ERA 200 AYF	3/4" - 3/8"	59	86
ECM 2500 DX24-DA	4100	0,355	3,10	-	ERA 250 AYF	3/4" - 3/8"	59	86
ECM 3000 DX26-DA	4920	0,426	3,72	-	ERA 250 AYF	3/4" - 3/8"	60	103
ECG 1000 DX10-DA	2190	0,213	1,86	ERA 100 AV	ERA 100 AY	5/8" - 3/8"	61	50
ECG 1500 DX13-DA	2920	0,284	2,48	ERA 125 AV	ERA 125 AY	5/8" - 3/8"	62	59
ECG 1500 DX15-DA	2920	0,284	2,48	ERA 140 AV	ERA 140 AY	5/8" - 3/8"	62	59
ECG 2000 DX22-DA	4380	0,426	3,72	-	ERA 200 AYF	3/4" - 3/8"	63	92
ECG 2500 DX25-DA	5110	0,497	4,34	-	ERA 250 AYF	3/4" - 3/8"	64	96
ECG 2500 DX29-DA	5110	0,497	4,34	-	ERA 300 AYF	3/4" - 3/8"	64	96
ECG 3000 DX34-DA	5840	0,568	5,96	-	ERA 300 AYF	7/8" - 1/2"	65	109

(*) Direct expansion valve not included

OUTDOOR UNIT SPECIFICATIONS

DAIKIN Inverter 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
ERA 100 AV	12,1	5,10	12,1	8,20	230Vx1	5/8" - 3/8"	5 - 55	35	30
ERA 125 AV	14	4,70	14	7,70	230Vx1	5/8" - 3/8"	5 - 55	35	30
ERA 140 AV	15,5	4,70	15,5	7,60	230Vx1	5/8" - 3/8"	5 - 55	30	30
ERA 100 AY	12,1	4,90	12,1	7,90	400Vx3	5/8" - 3/8"	5 - 55	35	30
ERA 125 AY	14	4,50	14	7,40	400Vx3	5/8" - 3/8"	5 - 55	30	30
ERA 140 AY	15,5	4,50	15,5	7,30	400Vx3	5/8" - 3/8"	5 - 55	30	30
ERA 200 AYF	22,4	4,42	22,4	6,36	400Vx3	3/4" - 3/8"	5 - 55	30	30
ERA 250 AYF	28	4,42	28	6,96	400Vx3	3/4" - 3/8"	5 - 55	30	30
ERA 300 AYF	33,5	4,64	33,5	6,47	400Vx3	7/8" - 1/2"	5 - 55	30	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.



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 - 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. Air curtain with high energy saving heat pump for all types of commercial and industrial entrances, with multiple configurations for false ceiling installation. In heating, it reduces consumption and CO2 emissions by up to 70%. 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. Plug&Play Slave DX control programmable according to the door status. Consult other regulation options (slave or master).

Ready to connect to DAIKIN VRV outdoor heat pump unit (R410A) and expansion valve not included, the customer should purchase it.

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 VRV8-DA	1640	0,142	1,24	EKEXV 63	5/8" - 3/8"	56	35
ECM 1500 VRV12-DA	2460	0,213	1,86	EKEXV 100	5/8" - 3/8"	57	53
ECM 2000 VRV16-DA	3280	0,284	2,48	EKEXV 125	5/8" - 3/8"	58	69
ECM 2000 VRV19-DA	3280	0,284	2,48	EKEXV 140	3/4" - 3/8"	58	69
ECM 2500 VRV21-DA	4100	0,355	3,10	EKEXV 200	3/4" - 3/8"	59	86
ECM 2500 VRV24-DA	4100	0,355	3,10	EKEXV 200	3/4" - 3/8"	59	86
ECM 3000 VRV26-DA	4920	0,426	3,72	EKEXV 200	3/4" - 3/8"	60	103
ECM 3000 VRV30-DA	4920	0,426	3,72	EKEXV 250	7/8" - 3/8"	60	103
ECG 1000 VRV10-DA	2190	0,213	1,86	EKEXV 80	5/8" - 3/8"	61	50
ECG 1500 VRV13-DA	2920	0,284	2,48	EKEXV 100	5/8" - 3/8"	62	59
ECG 1500 VRV15-DA	2920	0,284	2,48	EKEXV 125	5/8" - 3/8"	62	59
ECG 2000 VRV20-DA	4380	0,426	3,72	EKEXV 200	3/4" - 3/8"	63	92
ECG 2000 VRV24-DA	4380	0,426	3,72	EKEXV 200	3/4" - 3/8"	63	92
ECG 2500 VRV25-DA	5110	0,497	4,34	EKEXV 200	3/4" - 3/8"	64	96
ECG 2500 VRV29-DA	5110	0,497	4,34	EKEXV 250	7/8" - 3/8"	64	96
ECG 3000 VRV29-DA	5840	0,568	5,96	EKEXV 250	7/8" - 3/8"	65	109
ECG 3000 VRV34-DA	5840	0,568	5,96	EKEXV 250	7/8" - 3/8"	65	109

VRV-compatible models are as follows:

- VRV IV HP (Heat Pump)
- VRV IV HR (Heat Recovery)
- VRV V HP
- VRV V HR



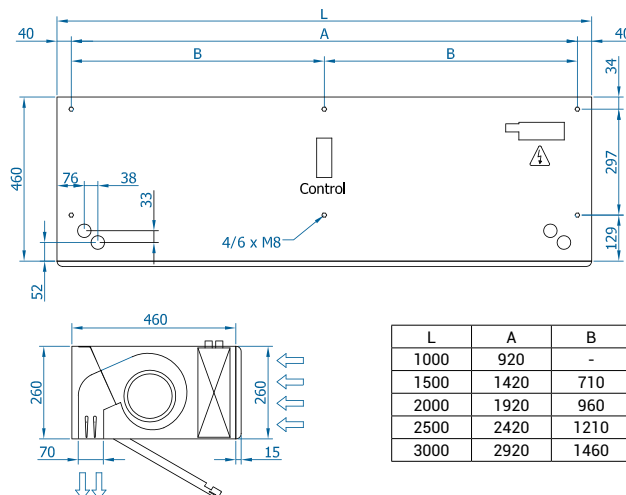
Selection program

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

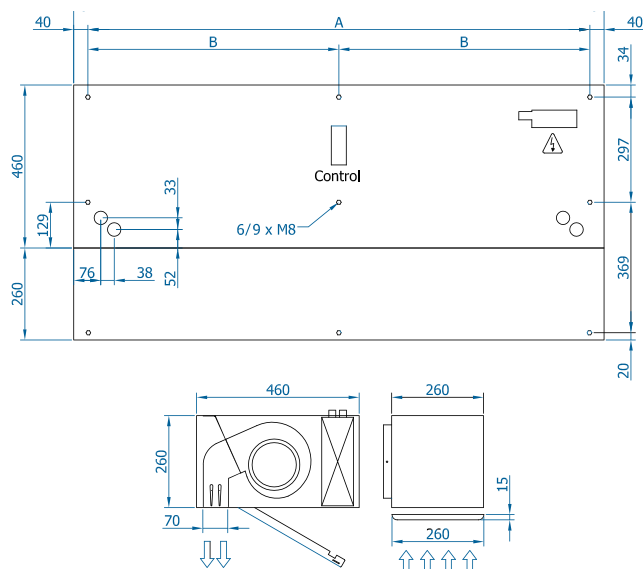


Dimensions

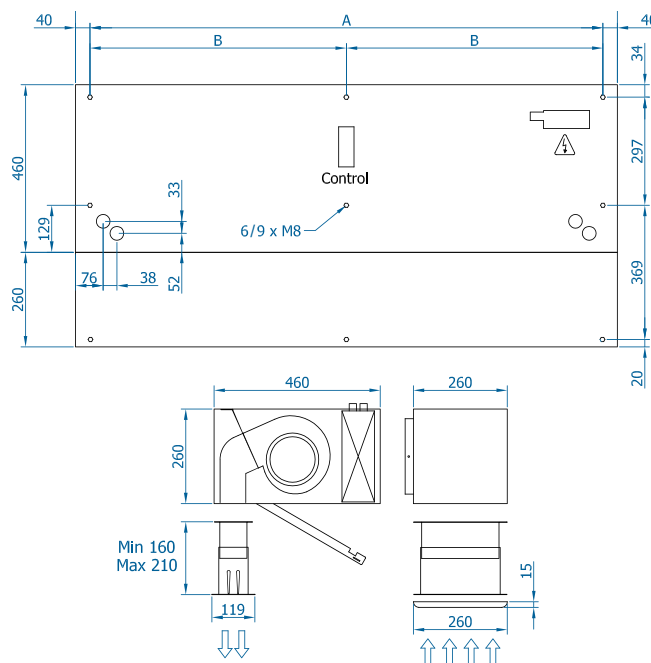
Horizontal free hanging Installation



Inside ceiling surface mounting



False ceiling invisible mounting

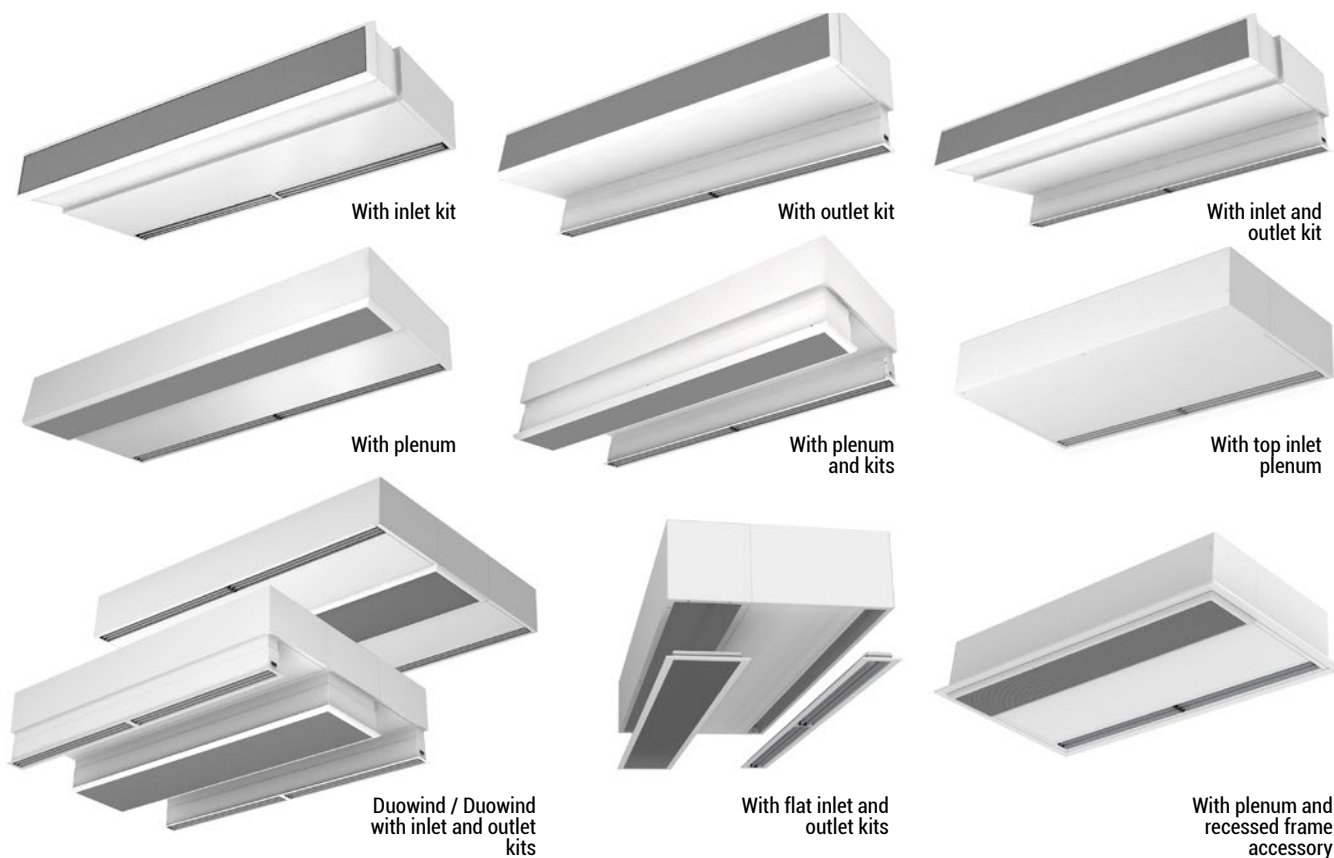


CAD drawings, BIM files, installation
manuals and other documents





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



Mechanical door contact
DC



Condensate water pump
for DX air curtains