

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
2460 - 5840 m³/h
1m to 3m



Heating capacity
12,5 - 31,5 kW



Grille type
Rectangular perforated
49x3 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

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%.

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
SMART ECM 1500 DX12-DA	2460	0,213	1,86	ERA 100 AV	ERA 100 AY	5/8" - 3/8"	57	58
SMART ECM 2000 DX16-DA	3280	0,284	2,48	ERA 140 AV	ERA 140 AY	5/8" - 3/8"	58	73
SMART ECM 2500 DX21-DA	4100	0,355	3,10	-	ERA 200 AYF	3/4" - 3/8"	59	73
SMART ECM 2500 DX24-DA	4100	0,355	3,10	-	ERA 250 AYF	3/4" - 3/8"	59	79
SMART ECM 3000 DX26-DA	4920	0,426	3,72	-	ERA 250 AYF	3/4" - 3/8"	60	91
SMART ECG 1000 DX10-DA	2190	0,213	1,86	ERA 100 AV	ERA 100 AY	5/8" - 3/8"	61	44
SMART ECG 1500 DX13-DA	2920	0,284	2,48	ERA 125 AV	ERA 125 AY	5/8" - 3/8"	62	64
SMART ECG 1500 DX15-DA	2920	0,284	2,48	ERA 140 AV	ERA 140 AY	5/8" - 3/8"	62	64
SMART ECG 2000 DX22-DA	4380	0,426	3,72	-	ERA 200 AYF	3/4" - 3/8"	63	83
SMART ECG 2500 DX25-DA	5110	0,497	4,34	-	ERA 250 AYF	3/4" - 3/8"	64	87
SMART ECG 2500 DX29-DA	5110	0,497	4,34	-	ERA 300 AYF	3/4" - 3/8"	64	87
SMART ECG 3000 DX34-DA	5840	0,568	5,96	-	ERA 300 AYF	7/8" - 1/2"	65	99

(*) 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	14,0	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	14,0	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	28,0	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 ≤ 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.



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 - 34 kW



Grille type
**Rectangular perforated
49x3 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**

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%.

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
SMART ECM 1000 VRV8-DA	1640	0,142	1,24	EKEXVA 63	5/8" - 3/8"	54	39
SMART ECM 1500 VRV12-DA	2460	0,213	1,86	EKEXVA 100	5/8" - 3/8"	55	58
SMART ECM 2000 VRV16-DA	3280	0,284	2,48	EKEXVA 125	5/8" - 3/8"	56	73
SMART ECM 2000 VRV19-DA	3280	0,284	2,48	EKEXVA 140	3/4" - 3/8"	56	73
SMART ECM 2500 VRV21-DA	4100	0,355	3,1	EKEXVA 200	3/4" - 3/8"	57	79
SMART ECM 2500 VRV24-DA	4100	0,355	3,1	EKEXVA 200	3/4" - 3/8"	57	79
SMART ECM 3000 VRV26-DA	4920	0,426	3,72	EKEXVA 200	3/4" - 3/8"	58	91
SMART ECM 3000 VRV30-DA	4920	0,426	3,72	EKEXVA 250	7/8" - 3/8"	58	91
SMART ECG 1000 VRV10-DA	2190	0,213	0,213	EKEXVA 80	5/8" - 3/8"	59	44
SMART ECG 1500 VRV13-DA	2920	0,284	0,284	EKEXVA 100	5/8" - 3/8"	60	64
SMART ECG 1500 VRV15-DA	2920	0,284	0,284	EKEXVA 125	5/8" - 3/8"	60	64
SMART ECG 2000 VRV20-DA	4380	0,426	0,426	EKEXVA 200	3/4" - 3/8"	61	83
SMART ECG 2000 VRV24-DA	4380	0,426	0,426	EKEXVA 200	3/4" - 3/8"	61	83
SMART ECG 2500 VRV25-DA	5110	0,497	0,497	EKEXVA 200	3/4" - 3/8"	62	87
SMART ECG 2500 VRV29-DA	5110	0,497	0,497	EKEXVA 250	7/8" - 3/8"	62	87
SMART ECG 3000 VRV29-DA	5840	0,568	0,568	EKEXVA 250	7/8" - 3/8"	63	99
SMART ECG 3000 VRV34-DA	5840	0,568	0,568	EKEXVA 250	7/8" - 3/8"	63	99

VRV-compatible models are as follows:

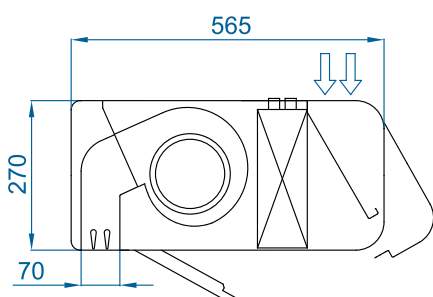
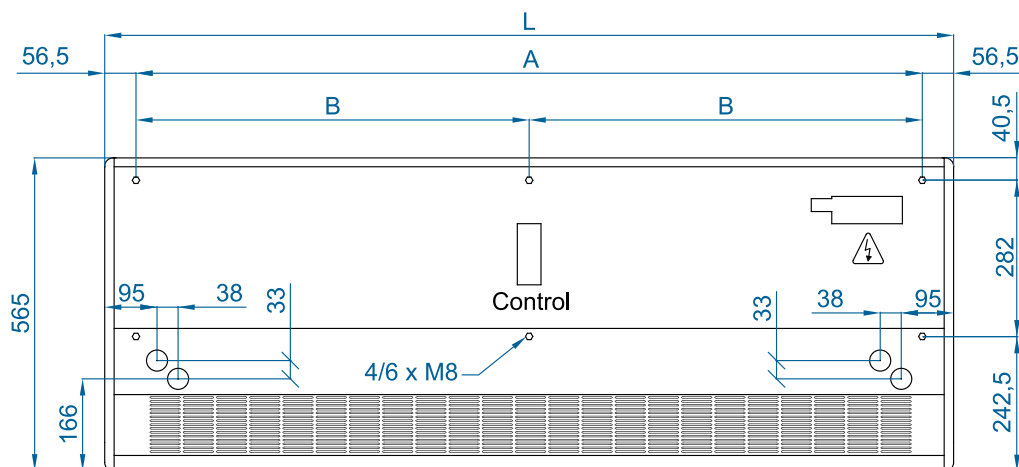
- VRV IV HP (Heat Pump)
- VRV IV HR (Heat Recovery)
- VRV V HP
- VRV V HR



Selection program

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

Dimensions



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



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