

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
Perforated Ø5 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



DAM is an air curtain from the standard range that stands out for its versatility and the design of its front part. The classic suction grille has been efficiently replaced by a front panel that can be customised with logos, signage, graphics or images providing a modern and clean view of the equipment. The double air inlet areas are located behind the front panel avoiding intensive maintenance.

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	Ventilation power 230V-50/60Hz	Ventilation current 230V-50/60Hz	Outdoor unit (*)	Outdoor unit (*)	Pipes gas-liquid	Noise level (5 m)	Weight
	m³/h	kW	A	230Vx1	400Vx3	inch	dB(A)	kg
DAM ECM 1500 DX12-DA	2460	0,213	1,86	ERA 100 AV	ERA 100 AY	5/8" - 3/8"	57	53
DAM ECM 2000 DX16-DA	3280	0,284	2,48	ERA 140 AV	ERA 140 AY	5/8" - 3/8"	58	69
DAM ECM 2500 DX21-DA	4100	0,355	3,10	-	ERA 200 AYF	3/4" - 3/8"	59	86
DAM ECM 2500 DX24-DA	4100	0,355	3,10	-	ERA 250 AYF	3/4" - 3/8"	59	86
DAM ECM 3000 DX26-DA	4920	0,426	3,72	-	ERA 250 AYF	3/4" - 3/8"	60	103
DAM ECG 1000 DX10-DA	2190	0,213	1,86	ERA 100 AV	ERA 100 AY	5/8" - 3/8"	61	50
DAM ECG 1500 DX13-DA	2920	0,284	2,48	ERA 125 AV	ERA 125 AY	5/8" - 3/8"	62	59
DAM ECG 1500 DX15-DA	2920	0,284	2,48	ERA 140 AV	ERA 140 AY	5/8" - 3/8"	62	59
DAM ECG 2000 DX22-DA	4380	0,426	3,72	-	ERA 200 AYF	3/4" - 3/8"	63	92
DAM ECG 2500 DX25-DA	5110	0,497	4,34	-	ERA 250 AYF	3/4" - 3/8"	64	96
DAM ECG 2500 DX29-DA	5110	0,497	4,34	-	ERA 300 AYF	3/4" - 3/8"	64	96
DAM 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	COP or SCOP	Cooling capacity	EER or SEER	Voltage	Gas-liquid pipes	Minimum pipe length	Maximum pipe length	Maximum pipe height
	kW		kW			inch	m	m	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	14,0	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	14,0	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	28,0	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



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
8 - 34 kW

Grille type
Perforated Ø5 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

DAM is an air curtain from the standard range that stands out for its versatility and the design of its front part. The classic suction grille has been efficiently replaced by a front panel that can be customised with logos, signage, graphics or images providing a modern and clean view of the equipment. The double air inlet areas are located behind the front panel avoiding intensive maintenance.

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
DAM ECM 1000 VRV8-DA	1640	0,142	1,24	EKEXVA 63	5/8" - 3/8"	56	43
DAM ECM 1500 VRV12-DA	2460	0,213	1,86	EKEXVA 100	5/8" - 3/8"	57	64
DAM ECM 2000 VRV16-DA	3280	0,284	2,48	EKEXVA 125	5/8" - 3/8"	58	81
DAM ECM 2000 VRV19-DA	3280	0,284	2,48	EKEXVA 140	3/4" - 3/8"	58	81
DAM ECM 2500 VRV21-DA	4100	0,355	3,10	EKEXVA 200	3/4" - 3/8"	59	89
DAM ECM 2500 VRV24-DA	4100	0,355	3,10	EKEXVA 200	3/4" - 3/8"	59	89
DAM ECM 3000 VRV26-DA	4920	0,426	3,72	EKEXVA 200	3/4" - 3/8"	60	103
DAM ECM 3000 VRV30-DA	4920	0,426	3,72	EKEXVA 250	7/8" - 3/8"	60	103
DAM ECG 1000 VRV10-DA	2190	0,213	1,86	EKEXVA 80	5/8" - 3/8"	61	48
DAM ECG 1500 VRV13-DA	2920	0,284	2,48	EKEXVA 100	5/8" - 3/8"	62	70
DAM ECG 1500 VRV15-DA	2920	0,284	2,48	EKEXVA 125	5/8" - 3/8"	62	70
DAM ECG 2000 VRV20-DA	4380	0,426	3,72	EKEXVA 200	3/4" - 3/8"	63	91
DAM ECG 2000 VRV24-DA	4380	0,426	3,72	EKEXVA 200	3/4" - 3/8"	63	91
DAM ECG 2500 VRV25-DA	5110	0,497	4,34	EKEXVA 200	3/4" - 3/8"	64	97
DAM ECG 2500 VRV29-DA	5110	0,497	4,34	EKEXVA 250	7/8" - 3/8"	64	97
DAM ECG 3000 VRV29-DA	5840	0,568	5,96	EKEXVA 250	7/8" - 3/8"	65	111
DAM ECG 3000 VRV34-DA	5840	0,568	5,96	EKEXVA 250	7/8" - 3/8"	65	111

VRV-compatible models are as follows:

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

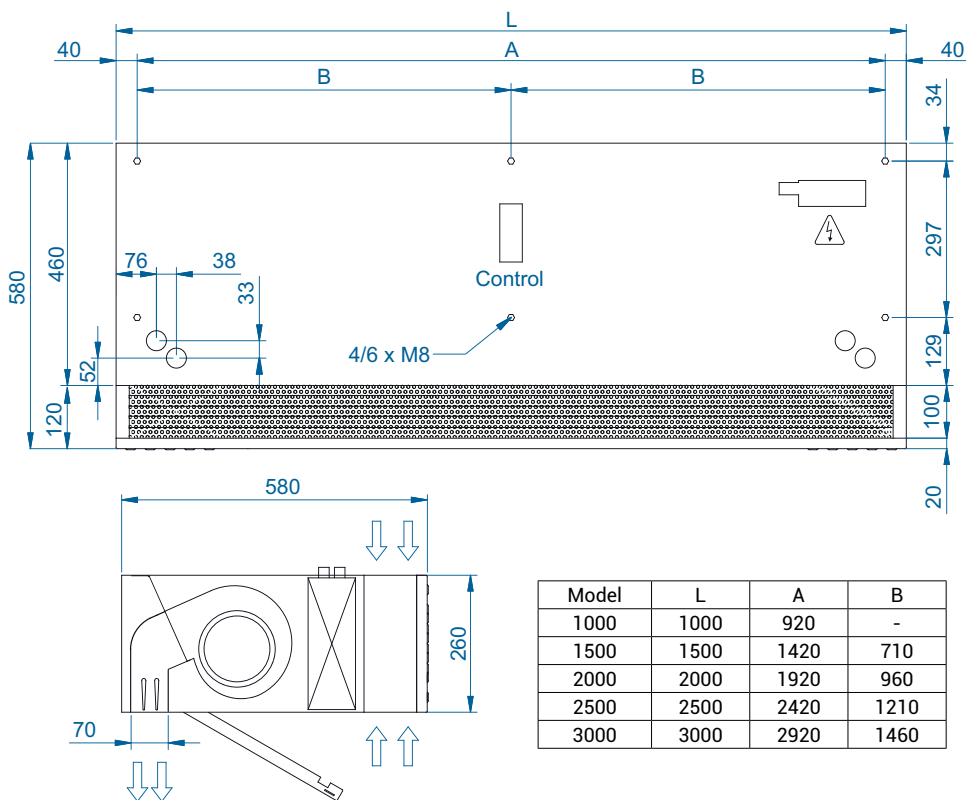


Selection program

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



Dimensions



CAD drawings, BIM files, installation manuals and other documents



Accessories

Supports and installation



Control



Sensors and valves

