



Technical Features



Range
Up to 4,2 m



Airflow / Length
1640 - 5840 m³/h
1m to 3m



Fans
Centrifugal
5-speed



Heating types
Heat Pump
Gas R32 / R410a



Heating capacity
8 - 27 kW



Control
Slave DX regulator
Consult other options



Casing
Galvanised Steel
Self-Supporting



Grille type
Perforated Ø5 with pre-
filter included



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. 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 and a double air intake at the top and bottom. In heating, it reduces consumption and CO2 emissions by up to 70%.

Prepared to connect to SAMSUNG CAC heat pump (R32/R410) with direct expansion valve, included.

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).

Requires SAMSUNG CAC Interface KIT adapted for air curtain and programmable control, please consult.

AIR CURTAIN SPECIFICATIONS

Model	Airflow m ³ /h	Ventilation power 230V-50/60Hz kW	Ventilation current 230V-50/60Hz A	Outdoor unit (*)	Outdoor unit (*)	Pipes gas-liquid inch	Noise Level (5 m) dB(A)	Weight kg
				230Vx1	400Vx3			
DAM ECM 1000 DX8-SA	1640	0,142	1,24	AC71RXADNG/EU	-	5/8" - 3/8"	56	43
DAM ECM 1500 DX11-SA	2460	0,213	1,86	AC100RXADKG/EU	AC100RXADNG/EU	5/8" - 3/8"	57	64
DAM ECM 2000 DX19-SA	3280	0,284	2,48	-	AC200KXAPNH/EU	3/4" - 3/8"	58	81
DAM ECM 2500 DX21-SA	4100	0,355	3,10	-	AC200KXAPNH/EU	3/4" - 3/8"	59	89
DAM ECM 2500 DX24-SA	4100	0,355	3,10	-	AC250KXAPNH/EU	7/8" - 3/8"	59	89
DAM ECM 3000 DX26-SA	4920	0,426	3,72	-	AC250KXAPNH/EU	7/8" - 3/8"	60	103
DAM ECG 1500 DX13-SA	2920	0,284	2,48	AC120RXADKG/EU	AC120RXADNG/EU	5/8" - 3/8"	62	70
DAM ECG 2000 DX23-SA	4380	0,426	3,72	-	AC200KXAPNH/EU	3/4" - 3/8"	63	91
DAM ECG 2500 DX25-SA	5110	0,497	4,34	-	AC250KXAPNH/EU	7/8" - 3/8"	64	97
DAM ECG 3000 DX27-SA	5840	0,568	4,96	-	AC250KXAPNH/EU	7/8" - 3/8"	65	111

(*) Direct expansion valve inbuilt in the outdoor unit

OUTDOOR UNIT SPECIFICATIONS

Outdoor unit model (*)	Heating capacity	COP o SCOP	Cooling capacity	EER o SEER	Power supply	Pipes gas-liquid	Pipes minimum - maximum length	Pipes maximum height
	kW		kW			inch	m	m
AC71RXADNG/EU	8	3,20	6,8	2,93	230Vx1	5/8" - 3/8"	5 - 50	30
AC100RXADKG/EU	11,2	3,20	10	2,90	230Vx1	5/8" - 3/8"	5 - 50	30
AC100RXADNG/EU	11,2	3,27	10	2,92	400Vx3	5/8" - 3/8"	5 - 50	30
AC120RXADKG/EU	13,2	3,42	12	2,66	230Vx1	5/8" - 3/8"	5 - 50	30
AC120RXADNG/EU	13,2	3,48	12	2,67	400Vx3	5/8" - 3/8"	5 - 50	30
AC200KXAPNH/EU	23	3,45	20	3,10	400Vx3	3/4" - 3/8"	5 - 75	30
AC250KXAPNH/EU	27	3,24	25	2,61	400Vx3	7/8" - 3/8"	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: ACxxRXADNG/EU y ACxxRXADKG/EU. Outdoor units with R410A gas: AC200KXAPNH/EU y AC250KXAPNH/EU.



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Gas R410a



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8 - 34 kW



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Grille type
Perforated Ø5 with pre-
filter included



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Aluminium, airfoil type
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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 and a double air intake at the top and bottom.

In heating, it reduces consumption and CO₂ emissions by up to 70%.

Prepared to connect to SAMSUNG VRF outdoor heat pump unit (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.

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

Requires SAMSUNG VRF Interface KIT adapted for air curtain and programmable control, please consult.

AIR CURTAIN SPECIFICATIONS

Model	Airflow	Ventilation power	Ventilation current	Kit (*)	Pipes gas-liquid	Noise Level	Weight
	m ³ /h	230V-50/60Hz kW	230V-50/60Hz A		inch	(5 m) dB(A)	
DAM ECM 1000 VRF8-SA	1640	0,142	1,24	MXD-K025AN	5/8" - 3/8"	56	43
DAM ECM 1500 VRF13-SA	2460	0,213	1,86	MXD-K050AN	5/8" - 3/8"	57	64
DAM ECM 2000 VRF16-SA	3280	0,284	2,48	MXD-K050AN	5/8" - 3/8"	58	81
DAM ECM 2500 VRF24-SA	4100	0,355	3,10	MXD-K075AN	7/8" - 3/8"	59	89
DAM ECM 3000 VRF26-SA	4920	0,426	3,72	MXD-K075AN	7/8" - 3/8"	60	103
DAM ECM 3000 VRF30-SA	4920	0,426	3,72	MXD-K100AN	7/8" - 3/8"	60	103
DAM ECG 1000 VRF10-SA	2190	0,213	1,86	MXD-K025AN	5/8" - 3/8"	61	48
DAM ECG 1500 VRF15-SA	2920	0,284	2,48	MXD-K050AN	5/8" - 3/8"	62	70
DAM ECG 2000 VRF20-SA	4380	0,426	3,72	MXD-K050AN	3/4" - 3/8"	63	91
DAM ECG 2000 VRF24-SA	4380	0,426	3,72	MXD-K075AN	7/8" - 3/8"	63	91
DAM ECG 2500 VRF29-SA	5110	0,497	4,34	MXD-K075AN	7/8" - 3/8"	64	97
DAM ECG 3000 VRF34-SA	5840	0,568	4,96	MXD-K100AN	7/8" - 3/8"	65	111

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

(*) Direct expansion valve included with the kit.

The VRF-compatible models are as follows:

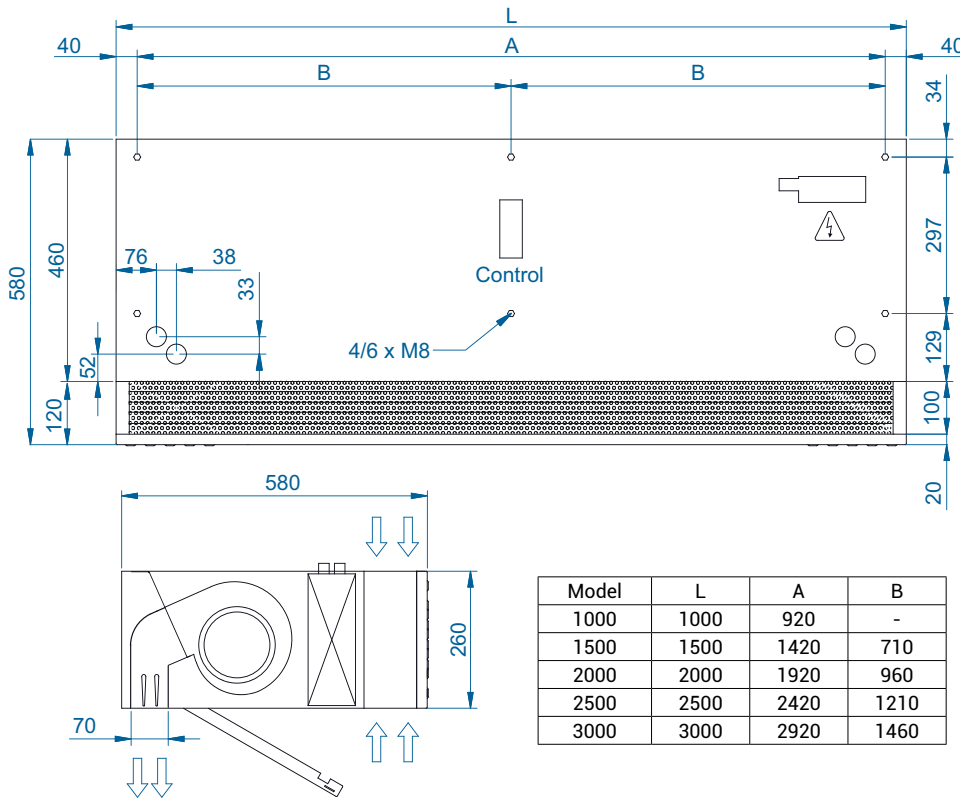
- DVM S
- DVM S Eco



Selection program



Dimensions



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



Slave DX
(Included)



Clever Control Kit



RJ45 Cable
(Included)



External Temperature
Sensor (Clever)

Sensors and valves



Magnetic door contact
DC



Mechanical door contact
DC



Condensate water pump
for DX air curtains