






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 - 27 kW


Grille type
Perforated Ø5 with pre-
filter included


Fans
Centrifugal
5-speed


Control
Plug&Play Advanced PRO
+ IR remote control


Outlet vanes
Aluminium, airfoil type
Adjustable 0-15° each side

RAL 9016 standard  Stainless steel  Other colors on request 

DAM DX air curtain for heat pump SAMSUNG.

Energy saving heat pump air curtain: Up to 70% reduction in costs and CO2 emissions (heating mode).

Self-supporting casing construction made of galvanized steel plate, finished in structural epoxy-polyester painting white colour RAL9016 as standard. Other colours or stainless steel are available on request.

Front panel with option to customize and the possibility of including personalized logos, signs, graphic designs, images, etc.

The inlet areas are located behind the front panel. They do not need maintenance.

Anodized aluminium outlet vanes, airfoil shaped, adjustable from 0 to 15° each side.

Low noise double-inlet centrifugal fans with external rotor motor. 5-speed controller. EC models assembled with very low consumption efficiency fans.

Includes only heating direct expansion coil with installed temperature sensors.

Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 7m RJ11 cable and remote control.

DX VRF: Ready to connect to SAMSUNG CAC outdoor heat pump unit (R410A).

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

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
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 kW	COP o SCOP	Cooling capacity kW	EER o SEER	Power supply	Pipes gas-liquid inch	Pipes minimum - maximum length m	Pipes maximum height 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: ACxxxRXADNG/EU y ACxxxRXADKG/EU. Outdoor units with R410A gas: AC200KXAPNH/EU y AC250KXAPNH/EU.



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8 - 34 kW


Grille type
**Perforated Ø5 with pre-
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5-speed


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Includes only heating direct expansion coil with installed temperature sensors.

Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 7m RJ11 cable and remote control.

DX VRF: Ready to connect to SAMSUNG VRF outdoor heat pump unit (R410A), not included, the customer should purchase it.

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

AIR CURTAIN SPECIFICATIONS

Model	Airflow m³/h	Ventilation power 230V-50/60Hz kW	Ventilation current 230V-50/60Hz A	Kit (*)	Pipes gas-liquid inch	Noise Level (5 m) dB(A)	Weight kg
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:

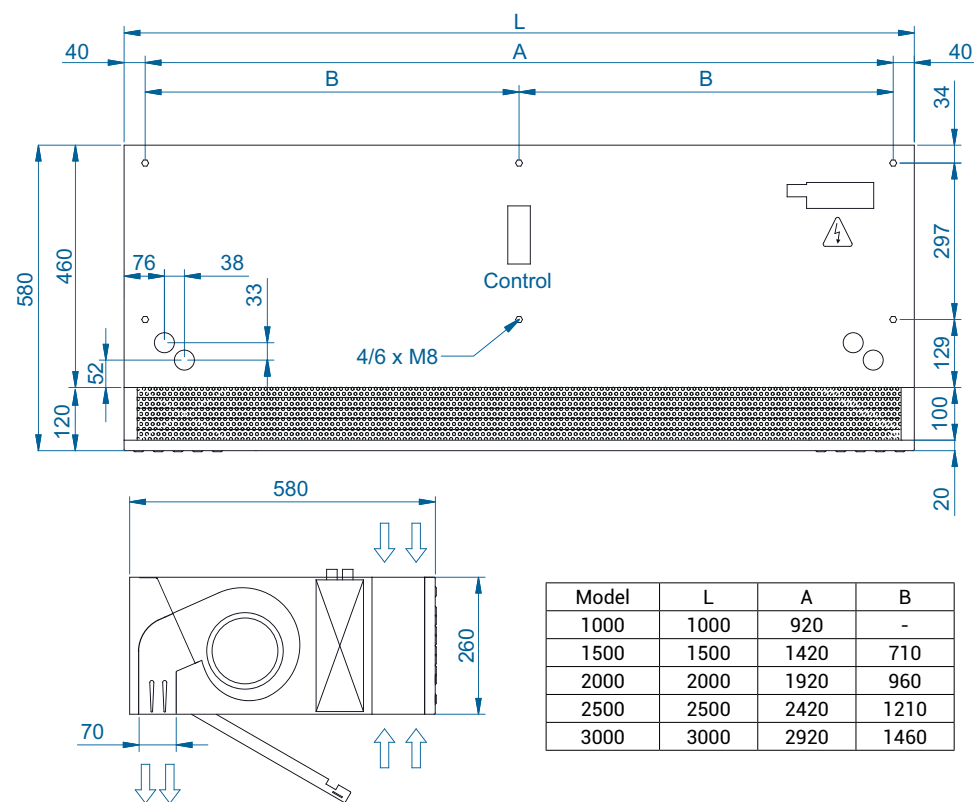
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Selection program



Dimensions



CAD drawings, BIM files, installation manuals and other documents



Accessories

Supports and installation



Control



Sensors and valves

