



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
8 - 29 kW



Grille type
Rectangular perforated
49x3 with pre-filter
included



Fans
Centrifugal
5-speed



Control
Plug&Play Advanced PRO
+ IR remote control



Outlet vanes
Aluminium, airfoil type
Adjustable

SMART DX air curtain for heat pump SAMSUNG.

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

Stylish, discreet and contemporary design adaptive to any interior architecture.

Smooth front panel can be customized with logotypes, lighting, lettering or safety and informative signals, according to the client requirements.

Self-supporting steel rounded casing with edgeless plastic side covers, finished in structural epoxy-polyester painting white colour RAL9016 as standard.

Hidden top air entrance, avoiding the inside view of the unit and the inlet grille.

Anodized aluminium outlet vanes, airfoil shaped, adjustable in both directions.

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. Under request it can be modified to work in cooling and heating mode (not recommended) with optional condensate water pump.

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
SMART ECM 1000 DX8-SA	1640	0,142	1,24	AC71RXADNG/EU	-	5/8" - 3/8"	56	39
SMART ECM 1500 DX11-SA	2460	0,213	1,86	AC100RXADKG/EU	AC100RXADNG/EU	5/8" - 3/8"	57	58
SMART ECM 2000 DX19-SA	3280	0,284	2,48	-	AC200KXAPNH/EU	3/4" - 3/8"	58	73
SMART ECM 2500 DX21-SA	4100	0,355	3,10	-	AC200KXAPNH/EU	3/4" - 3/8"	59	79
SMART ECM 2500 DX24-SA	4100	0,355	3,10	-	AC250KXAPNH/EU	7/8" - 3/8"	59	79
SMART ECM 3000 DX26-SA	4920	0,426	3,72	-	AC250KXAPNH/EU	7/8" - 3/8"	60	81
SMART ECG 1500 DX13-SA	2920	0,284	2,48	AC120RXADKG/EU	AC120RXADNG/EU	5/8" - 3/8"	62	64
SMART ECG 2000 DX23-SA	4380	0,426	3,72	-	AC200KXAPNH/EU	3/4" - 3/8"	63	83
SMART ECG 2500 DX25-SA	5110	0,497	4,34	-	AC250KXAPNH/EU	7/8" - 3/8"	64	87
SMART ECG 3000 DX27-SA	5840	0,568	4,96	-	AC250KXAPNH/EU	7/8" - 3/8"	65	99

(*) 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 ≤ 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.

(*) Outdoor units with R32 gas: ACxxxRXADNG/EU y ACxxxRXADKG/EU. Outdoor units with R410A gas: AC200KXAPNH/EU y AC250KXAPNH/EU.



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Self-Supporting**



Airflow / Length
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1m to 3m**



Heating capacity
8 - 34 kW



Grille type
**Rectangular perforated
49x3 with pre-filter
included**



Fans
**Centrifugal
5-speed**



Control
**Plug&Play Advanced PRO
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Outlet vanes
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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. Under request it can be modified to work in cooling and heating mode (not recommended) with optional condensate water pump.

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	Ventilation power 230V-50/60Hz	Ventilation current 230V-50/60Hz	Kit (*)	Pipes gas-liquid	Noise level (5 m)	Weight
	m³/h	kW	A		inch	dB(A)	kg
SMART ECM 1000 VRF8-SA	1640	0,142	1,24	MXD-K025AN	5/8" - 3/8"	56	39
SMART ECM 1500 VRF13-SA	2460	0,213	1,86	MXD-K050AN	5/8" - 3/8"	57	58
SMART ECM 2000 VRF16-SA	3280	0,284	2,48	MXD-K050AN	5/8" - 3/8"	58	73
SMART ECM 2500 VRF24-SA	4100	0,355	3,10	MXD-K075AN	7/8" - 3/8"	59	79
SMART ECM 3000 VRF26-SA	4920	0,426	3,72	MXD-K075AN	7/8" - 3/8"	60	91
SMART ECM 3000 VRF30-SA	4920	0,426	3,72	MXD-K100AN	7/8" - 3/8"	60	91
SMART ECG 1000 VRF10-SA	2190	0,213	1,86	MXD-K025AN	5/8" - 3/8"	61	44
SMART ECG 1500 VRF15-SA	2920	0,284	2,48	MXD-K050AN	5/8" - 3/8"	62	64
SMART ECG 2000 VRF20-SA	4380	0,426	3,72	MXD-K050AN	3/4" - 3/8"	63	83
SMART ECG 2000 VRF24-SA	4380	0,426	3,72	MXD-K075AN	7/8" - 3/8"	63	83
SMART ECG 2500 VRF29-SA	5110	0,497	4,34	MXD-K075AN	7/8" - 3/8"	64	87
SMART ECG 3000 VRF34-SA	5840	0,568	4,96	MXD-K100AN	7/8" - 3/8"	65	99

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:

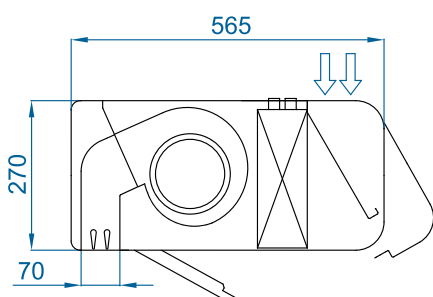
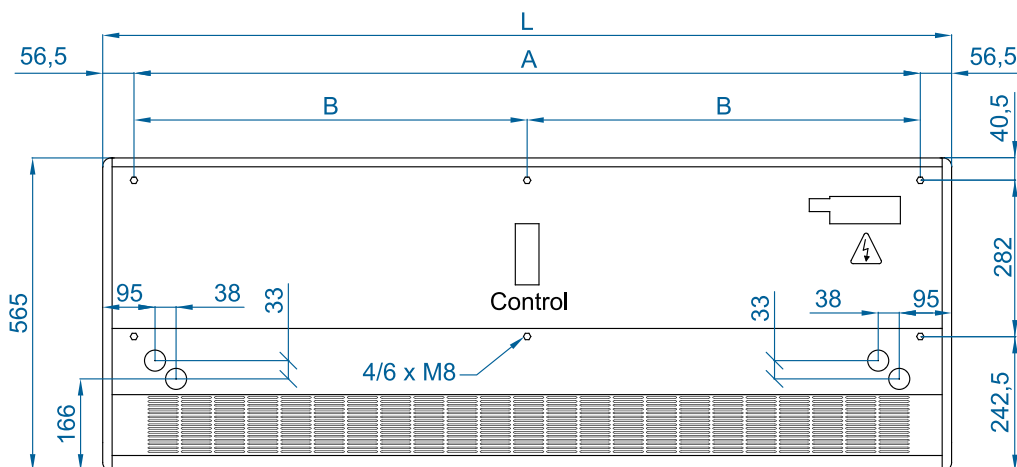
- DVM S
- DVM S Eco



Selection program



Dimensions



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

Sensors and valves



Magnetic door contact
DC
✓ Included



Mechanical door contact
DC



Condensate water pump
for DX air curtains