

VRF Air-to-Air Heat Exchanger: VN - U01001SY-E

- Expanded operating temperature range.
- Can be linked to the air conditioning system.
- Optional high performance air filter available.
- New DC Fan Motor provides flexible air volume.
- Complies ENTR lot 6 tier 2 requirements for the EU Market.



Hi - Res Image

Performance Data

Operating Range	Around Unit	°C - %RH	-10 to 50 - ≤ 80
	Outdoor Air	°C - %RH	-20 to 52 - ≤ 80
	Return Air	°C - %RH	5 to 40 - ≤ 80
Airflow	Standard Extra High - High - Low	l/s	277 - 222 - 194
	Standard Extra High - High - Low	m3/h	1000 - 800 - 400
Fan	External Static Pressure Extra High - High - Low	Pa	170 - 110 - 30
	Specific Power Extra High - High - Low	W/l/s	1.9 - 1.3 - 0.4
Efficiency	Temperature Exchange Extra High - High - Low	%	70.5 - 71 - 84.0
	Enthalpy Exchange Efficiency Cooling Extra High - High - Low	%	78.0 - 78.5 - 87.0
	Enthalpy Exchange Efficiency Heating Extra High - High - Low	%	63.0 - 63.5 - 81.0
Sound	Pressure Extra High - High - Low	dB(A)	41.0 - 38.0 - 24.0
	Power Level Extra High - High - Low	dB(A)	56.0 - 53.0 - 39.0

Indoor Data

Unit	Heat Exchanger	Special paper + Resin	
	Filter Type	Non woven fabric	
	Standard Air Filter	Gravitational method*	
	High Efficiency Air Filter	Colorimetric method*	
	Filtration Efficiency Grade (Collection Effect Weighing Method)	%	82
	Height x Width x Depth	mm	386 x 1230 x 1130
	Weight	kg	63
Electrical	Duct Nominal Diameter Supply/Return	mm	250 x 2/250 x 2
	Power Input (Heat exchange mode) Extra High - High - Medium - Low	W	541 - 291 - 151 - 74
	Running Current Extra High - High - Medium - Low	Amps	3.48 - 2.04 - 1.12 - 0.57
	Maximum Run Current	Amps	3.48
	Power Supply	V/ph/Hz	220-240/1/50
	Suggested Fused Supply (with Heater Kit)	Amps	10 (16)
	Remote Controller Option	Wired 2-core non-polarity	

Accessories

NRC-01HE	Dedicated air-to-air heat exchanger remote controller.
RBC-AMSU51-E	Standard Remote Controller - Includes timer off, back light display, multilingual.
RBC-AWSU52-E	Premium Controller - Includes timer and back light display, multilingual (inc. Bluetooth)
RBC-VNMF4	Duct Heaters - For use with (0801, 1001)
TCB-SFMCA1V-E	Multi Function Sensor (CO2/PM) - Compatible with all model sizes
TCB-PSFC551VXY-E	High Performance Filter (Epm1 55%) - (0801, 1001)

*All [Accessories](#) / [Controls](#)

Compatible R410a outdoor condensers:

[Mini SMMS-e](#), [SMMS-u](#), [SHRM-e](#)

Compatible R32 outdoor condensers:

[Mini SMMS](#), [SHRM-a](#)

Related items:

- [Full specification](#)
- [BIM files](#)
- [CAD files](#)
- [Airflow/ fan curve](#)
- [Dimensional drawing](#)
- [Wiring diagram](#)
- [Noise curve data](#)
- [Installation manual](#)



*Awaiting Factory Confirmation

