

VRF Air-to-Air Heat Exchanger: VN - U00501SY-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

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	138 - 111 - 72
	Standard Extra High - High - Low	m3/h	500 - 400 - 260
Fan	External Static Pressure Extra High - High - Low	Pa	125 - 80 - 39
	Specific Power Extra High - High - Low	W/l/s	1.3 - 0.9 - 0.7
Efficiency	Temperature Exchange Extra High - High - Low	%	74.0 - 74.5 - 77.0
	Enthalpy Exchange Efficiency Cooling Extra High - High - Low	%	79.0 - 79.5 - 80.5
	Enthalpy Exchange Efficiency Heating Extra High - High - Low	%	69.0 - 69.5 - 73.5
Sound	Pressure Extra High - High - Low	dB(A)	36.0 - 31.0 - 25.0
	Power Level Extra High - High - Low	dB(A)	51.0 - 46.0 - 40.0

Indoor Data

Product 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	337 x 1020 x 920
	Weight	kg	47
	Duct Nominal Diameter Supply/Return	mm	200 x 2/200 x 2
Electrical	Power Input (Heat exchange mode) Extra High - High - Medium - Low	W	174 - 105 - 60 - 51
	Running Current Extra High - High - Medium - Low	Amps	1.32 - 0.85 - 0.51 - 0.43
	Maximum Run Current	Amps	1.32
	Power Supply	V/ph/Hz	220-240/1/50
	Suggested Fused Supply (with Heater Kit)	Amps	6 (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-VNMF3	Duct Heaters - For use with (0501, 0651)
TCB-SFMA1V-E	Multi Function Sensor (CO2/PM) - Compatible with all model sizes
TCB-PSFC551VLY-E	High Performance Filter (Epm1 55%) - (0501, 0651)

*All Accessories / Controls

Compatible R410a outdoor condensers:

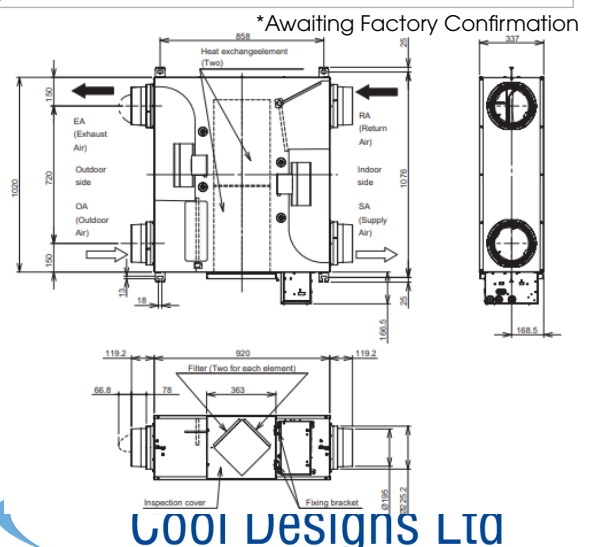
Mini SMMS-e, SMMS-u, SHRM-e

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](#)



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