

VRF Air-to-Air Heat Exchanger: VN - U00251SY-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	69 - 58 - 27
	Standard Extra High - High - Low	m3/h	250 - 210 - 100
Fan	External Static Pressure Extra High - High - Low	Pa	75 - 53 - 16
	Specific Power Extra High - High - Low	W/l/s	1.1 - 1.0 - 1.0
Efficiency	Temperature Exchange Extra High - High - Low	%	75.0 - 76.0 - 80.5
	Enthalpy Exchange Efficiency Cooling Extra High - High - Low	%	80.0 - 80.5 - 84.0
	Enthalpy Exchange Efficiency Heating Extra High - High - Low	%	70.0 - 71.5 - 77.0
Sound	Pressure Extra High - High - Low	dB(A)	28.0 - 27.0 - 20.0
	Power Level Extra High - High - Low	dB(A)	43.0 - 42.0 - 35.0

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	278 x 735 x 778
	Weight	kg	29
Electrical	Duct Nominal Diameter Supply/Return	mm	150 x 2/150 x 2
	Power Input (Heat exchange mode) Extra High - High - Medium - Low	W	75 - 57 - 39 - 29
	Running Current Extra High - High - Medium - Low	Amps	0.77 - 0.61 - 0.42 - 0.32
	Maximum Run Current	Amps	0.77
	Power Supply	V/ph/Hz	220-240/1/50
	Suggested Fused Supply (with Heater Kit)	Amps	3 (10)
	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-VNMF2	Duct Heaters - For use with (0251, 0351)
TCB-SFMCA1V-E	Multi Function Sensor (CO2/PM) - Compatible with all model sizes
TCB-PSFC551VSY-E	High Performance Filter (Epm1 55%) - (0151,0251)

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

*Awaiting Factory Confirmation

Compatible R410a outdoor condensers:

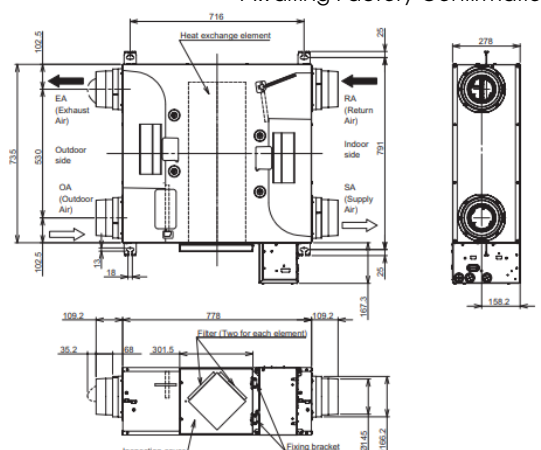
[Mini SMMS-e, SMMS-u, SHRM-e](#)

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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