

VRF Air-to-Air Heat Exchanger: VN - U00151SY-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	41 - 33 - 20
	Standard Extra High - High - Low	m3/h	150 - 120 - 73
Fan	External Static Pressure Extra High - High - Low	Pa	90 - 60 - 26
	Specific Power Extra High - High - Low	W/l/s	1.3 - 1.3 - 1.4
Efficiency	Temperature Exchange Extra High - High - Low	%	77.0 - 80.0 - 81.5
	Enthalpy Exchange Efficiency Cooling Extra High - High - Low	%	83.0 - 83.5 - 85.0
	Enthalpy Exchange Efficiency Heating Extra High - High - Low	%	71.0 - 76.5 - 78.0
Sound	Pressure Extra High - High - Low	dB(A)	28.0 - 25.0 - 20.0
	Power Level Extra High - High - Low	dB(A)	43.0 - 40.0 - 35.0

Indoor Data

Model 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	
	Duct Nominal Diameter Supply/Return	mm	100 x 2/100 x 2	
Electrical	Power Input (Heat exchange mode) Extra High - High - Medium - Low		W	56 - 43 - 35 - 28
	Running Current Extra High - High - Medium - Low		Amps	0.61 - 0.47 - 0.40 - 0.32
	Maximum Run Current		Amps	0.61
	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-VNMF1	Duct Heaters - For use with (0151)
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

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

