

VRF Air-to-Air Heat Exchanger: VN - U00351SY-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	97 - 77 - 38
	Standard Extra High - High - Low	m3/h	350 - 280 - 140
Fan	External Static Pressure Extra High - High - Low	Pa	160 - 100 - 26
	Specific Power Extra High - High - Low	W/l/s	1.6 - 1.2 - 1.0
Efficiency	Temperature Exchange Extra High - High - Low	%	74.0 - 75.0 - 83.5
	Enthalpy Exchange Efficiency Cooling Extra High - High - Low	%	81.0 - 81.5 - 87.0
	Enthalpy Exchange Efficiency Heating Extra High - High - Low	%	67.0 - 68.5 - 80.0
Sound	Pressure Extra High - High - Low	dB(A)	34.0 - 31.0 - 21.0
	Power Level Extra High - High - Low	dB(A)	49.0 - 46.0 - 36.0

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	305 x 880 x 880
	Weight	kg	40
Electrical	Duct Nominal Diameter Supply/Return	mm	150 x 2/150 x 2
	Power Input (Heat exchange mode) Extra High - High - Medium - Low	W	152 - 92 - 59 - 39
	Running Current Extra High - High - Medium - Low	Amps	1.17 - 0.75 - 0.48 - 0.32
	Maximum Run Current	Amps	1.17
	Power Supply	V/ph/Hz	220-240/1/50
	Suggested Fused Supply (with Heater Kit)	Amps	6 (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-PSFC551VMY-E	High Performance Filter (Epm1 55%) - (0351)

*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

