

VN Heat Exchanger Ventilation Units



Model	VN-250TE	VN-350TE	VN-500TE	VN-800TE	VN-1KTAE
Air flow rate, high l/s (m ³ /h)	69 (250)	97 (350)	139 (500)	222 (800)	278 (1000)
Air flow rate, low l/s (m ³ /h)	47 (170)	78 (280)	103 (370)	181 (650)	225 (810)
Temperature exchange efficiency % (EH/H/L)	75/75/77	75/75/77	75/75/77	75/75/76	75/75/77
Input power, Heat reclaim mode W (EH/H/L)	119/114/90	153/137/128	212/188/166	347/329/327	439/391/359
Input power, Bypass mode W (EH/H/L)	119/114/90	150/132/125	209/182/164	337/325/316	433/385/355
Enthalpy exchange efficiency, Heating % (EH/H/L)	70/70/73	69/69/71	67/67/71	71/71/74	71/71/74
Enthalpy exchange efficiency, Cooling % (EH/H/L)	63/63/66	66/66/69	62/62/97	65/65/68	65/65/68
Max External Static Pressure, Pa (EH/H/L)	90/80/37	95/65/42	105/70/38	140/110/70	90/55/35
Sound Pressure Level, Heat reclaim mode dBA (EH/H/L)	28/27/22	32/30/26	34/32/26	39/37.5/34	38.5/37/33
Sound Pressure Level, Bypass mode dBA (EH/H/L)	28/27.5/22.5	32/31/27	35/33/27.5	39.5/38/35	39/37.5/33.5
Height (mm)	270	270	270	388	388
Width (mm)	599	804	904	884	1134
Depth (mm)	882	882	962	1322	1322
Weight (kg)	29	37	43	71	83
Duct Diameter (mm)	150	150	200	250	250
Filtration Efficiency Grade (EU3)	82	82	82	82	82
Power Supply	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz
Operating Range	-10°C - 40°C	-10°C - 40°C	-10°C - 40°C	-10°C - 40°C	-10°C - 40°C
Relative Humidity	85% or less	85% or less	85% or less	85% or less	85% or less
Recommend Fuse Size (without heaters) A	5	5	5	5	5
Recommend Fuse Size (with heaters) A	16	16	16	16	16

EH = Extra High H = High L = Low

Accessories

	Model	Notes
Wall controller for VN unit (up to 5 units)	RBC-VNC1	Requires 1 x RBC-VNP1 per VN unit
PCB for VN (to fit wall controller)	RBC-VNP1	Used in conjunction with RBC-VNC1
VN-250 heater kit *	RBC-VNH1	1 x 1kW, diameter = 150mm
VN-350/500 heater kit *	RBC-VNH2	2 x 1kW, diameter = 200mm
VN-800/1K heater kit *	RBC-VNH3	2 x 1kW, diameter = 250mm
Manual thermostat	RBC-VNT1	For Interactive Intelligence
Basic VN Unit Controller	AMP-VNSW	On / off, fan speed and bypass switch
Interface for on/off control from standard RBC-AMT31E remote controller (one fan speed & no bypass operation)	RBC-SMF1	Can be used to bring on the VN unit in conjunction with RAV or VRF indoor unit, power to VN units fed through RBC-SMF1

* Must be fitted in conjunction with RBC-VNC1 & RBC-VNP1 as above.