



HIGHLY EFFICIENT FRESH AIR SUPPLY

VN heat exchanger



Highlights

- Available with register for heating/cooling function
- Free cooling possible
- Available with optional air humidification



Cross-current heat exchanger for standalone operation or for combination with VRF outdoor units from the MiNi-SMMS-e, SMMS-e, and SHRM-e model series. Perfect heat recovery from the air-conditioned ambient air of up to 75%. Available in three variants: Air/Air heat exchanger, with register of 4.1 to 8.25 kW, with additional humidifier.



Performance

- High energy efficiency
- Heat recovery up to 75%
- Low-noise, 3-stage fan
- Auto diagnostic system



Flexibility

- Suitable for controlled domestic ventilation and for commercial use
- Easy-to-remove & washable heat exchanger element
- External inputs are available with an optional NRB-1HE remote adapter
- Potential-free, digital outputs as standard



Technical details

- Air humidifier, operates according to the vapor permeable film principle
- TCB-DP31HEXE drain pump optionally available
- External receiver kit for infrared remote control possible
- Can be combined with all cable remote controls
- Additional functions available with the RBC-AMS54E-ES remote control
- Automatic restart setting after power outage



VN heat exchanger

Technical data			VN-M500HE
External static pressure	Pa		62 - 150
Airflow (min./nom./max.)	m ³ /h		390/500/500
Air connections diameter	mm		200
Sound pressure level (low/med/high)	dB(A)	❄️	26/31/34
Sound pressure level (low/med/high)	dB(A)	☀️	26/31/34
Sound power level	dB(A)	☀️	47,5 - 49,0
Temperature exchange efficiency (min./nom./max.)	%		76,5/-/78,0
Enthalpy exchange efficiency (min./nom./max.)	%	❄️	64,5/-/66,5
Enthalpy exchange efficiency (min./nom./max.)	%	☀️	72,0/-/73,5
Power supply	V/Ph+N/Hz		220-240/1/50
Heat exchanger mode power consumption (min./nom./max.)	W		128/-/238
Dimensions (HxWxD)	mm		350 x 1140 x 1140
Weight	kg		53

❄️ Cooling ☀️ Heating

The measuring conditions for this product can be found at <https://www.toshiba-aircondition.com/en/measuring-conditions.html>



In order to make it easier for you to select the optimal product, you can find the description of the special TOSHIBA product functions for your model here: In order to make it easier for you to select the optimal product, you can find the description of the special TOSHIBA product functions for your model here:



Dust filter: Washable filter against coarse contamination.

