

Technical documentation for RVU

| COMMISSION REGULATION (EU) No 1253/2014 ANNEX IV | | VN-M150HE | VN-M250HE | VN-M350HE | |
|--|---|---|-------------------------|-------------------------|-------------------------|
| (a) | supplier's name or trade mark; | TOSHIBA CARRIER CORPORATION | | | |
| (b) | supplier's model identifier i.e. the code, usually alphanumeric, used to distinguish a specific residential ventilation unit model from other models with the same trade mark or supplier's name; | VN-M150HE | VN-M250HE | VN-M350HE | |
| (c) | specific energy consumption (SEC) in kWh/(m ² .a) for each applicable climate zone and SEC class; | Cold | -66,4 / A+ | -62,8 / A+ | -65,2 / A+ |
| | | Average | -31,2 / B | -29,1 / B | -31,4 / B |
| | | Warm | -8,3 / F | -7,2 / F | -9,5 / F |
| (d) | declared typology in accordance with Article 2 of this Regulation (RVU or NRVU, unidirectional or bidirectional); | RVU, bidirectional | RVU, bidirectional | RVU, bidirectional | |
| (e) | type of drive installed or intended to be installed (multi-speed drive or variable speed drive); | multi-speed drive | multi-speed drive | multi-speed drive | |
| (f) | type of heat recovery system (recuperative, regenerative, none); | recuperative | recuperative | recuperative | |
| (g) | thermal efficiency of heat recovery (in % or 'not applicable' if the product has no heat recovery system); | 79,5 | 74,3 | 74,5 | |
| (h) | maximum flow rate in m ³ /h; | 142 | 234 | 395 | |
| (i) | electric power input of the fan drive, including any motor control equipment, at maximum flow rate (W); | 72 | 128 | 182 | |
| (j) | sound power level (L _{WA}), rounded to the nearest integer; | - | - | - | |
| (k) | reference flow rate in m ³ /s; | 0,028 | 0,046 | 0,077 | |
| (l) | reference pressure difference in Pa; | 126 | 149 | 154 | |
| (m) | SPI in W/(m ³ /h); | 0,347 | 0,360 | 0,288 | |
| (n) | control factor and control typology in accordance with the relevant definitions and classification in Annex VIII, Table 1; | Control factor | 1 | 1 | 1 |
| | | Control typology | Manual control (no DCV) | Manual control (no DCV) | Manual control (no DCV) |
| (o) | internal leakage rates (%) for bidirectional ventilation units | 6,8 | 6,8 | 6,8 | |
| | external leakage rates (%) for bidirectional ventilation units | +250 (Pa) | 22,2 | 13,3 | 9,5 |
| | | -250 (Pa) | 21,7 | 13,0 | 9,3 |
| (p) | mixing rate of non-ducted bidirectional ventilation units not intended to be equipped with one duct connection on either supply or extract air side; | - | - | - | |
| (q) | position and description of visual filter warning for RVUs intended for use with filters, including text pointing out the importance of regular filter changes for performance and energy efficiency of the unit; | - | - | - | |
| (r) | for unidirectional ventilation systems, instructions to install regulated supply/exhaust grilles in the facade for natural air supply/extraction; | - | - | - | |
| (s) | internet address for disassembly instructions as referred to in point 3; | http://www.toshiba-carrier.co.jp/global/ | | | |
| (t) | for non-ducted units only: the airflow sensitivity to pressure variations at + 20Pa and .20 Pa; | - | - | - | |
| (u) | for non-ducted units only: the indoor/outdoor air tightness in m ³ /h. 2. | - | - | - | |