



New Multi-Function Air Quality Sensor for Ventilation Unit

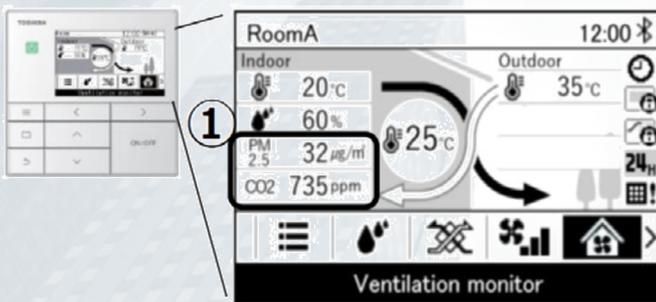
Toshiba are pleased to announce the NEW “Multi-function air quality sensor for heat recovery ventilation unit ” has been added to the VRF Product range.

1. Model Names

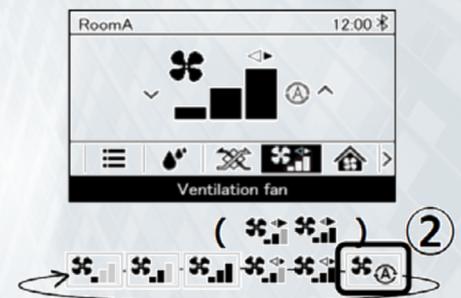
Model	Description	Factory	Production Date
TCB-SFMCA1V-E	Multi-Function Sensor (CO2/PM2.5)	TCC	October 2023

2. Features

- CO2 and PM2.5 concentration levels will be displayed in the ventilation monitor screen of the RBC-AMSU52-E and RBC-AWSU52-E.
- Auto mode for ventilation fan operation mode will be available. The ventilation fan speed will be controlled depending on the CO2 or PM2.5 concentration levels.



Ventilation Screen



Ventilation fan speed setting screen

Notes :

- VN-U0***1SY-E series manufactured from October 2023 will be compatible with the multi-function sensor TCB-SFMCA1V-E.
- Manufacturing month of the VN-U0***1SY-E can be found from the serial number on the packing label or name plate. Below is an example of serial number 390C0001.
- Any VN-U0***1SY-E series manufactured before October 2023 will be required to change its PCB. Spare part MCC-1784 (PN:43H69100) to make it compatible with multi-function sensor.

How to read Serial Number (e.g. case of 390C0001)

3	90	C	0001
Year of Production 3 means 2023	Manufacturing Month The number means TCAC case 80 + Month 90 = 80 + 10 (Oct)	Production Line any alphabet	Sequence Number

Packing Label

TOSHIBA EAC UKCA CE

HEAT RECOVERY VENTILATION UNIT
VN-U00151SY-E

Optional Multi-Function Sensor Ready 220-240V~50Hz
208-230V~60Hz

WEIGHT **34** kg For Commercial Use
MADE IN CHINA **RoHS**

Toshiba Carrier Air Conditioning (China) Co., Ltd.

EAN13-BAR-CODE
6 931458 509521

834H0017

VN-U00151SY-E*
SERIAL NUMBER
* 390C0001 * 01

Optional Multi-Function Sensor Ready

Wording added to packing label for easy recognition.

Name plate

TOSHIBA

HEAT RECOVERY VENTILATION UNIT
MODEL **VN-U00151SY-E**

220-240V ~ 50 Hz
208-230V ~ 60 Hz
56 W

NET WEIGHT 29 kg

PRODUCTION YEAR 2023

SERIAL NO. 390C0001

Air Volume (m ³ /h)	External Static Pressure (Pa)	Input (W)
210	0	56
150	90	56

Manufacturer
Toshiba Carrier Air Conditioning (China) Co., Ltd.

Address
No.161, Weiken Street, Saiyang Block,
Hangzhou Qianjiang New Area,
Zhejiang Province, China

Importer for EU
TOSHIBA CARRIER EUROPE S.A.S

Address
Route de Thil 01120 Montfaucon FRANCE

Importer for GB
TOSHIBA CARRIER UK LTD.

Address
Porsham Close, Belliver Industrial Estate,
Roborough Plymouth, Devon, PL6 7DB,
United Kingdom

Toshiba Carrier Air Conditioning (China) Co., Ltd.
MADE IN CHINA

CE UKCA EAC

3. Production Date

TCC production October 2023

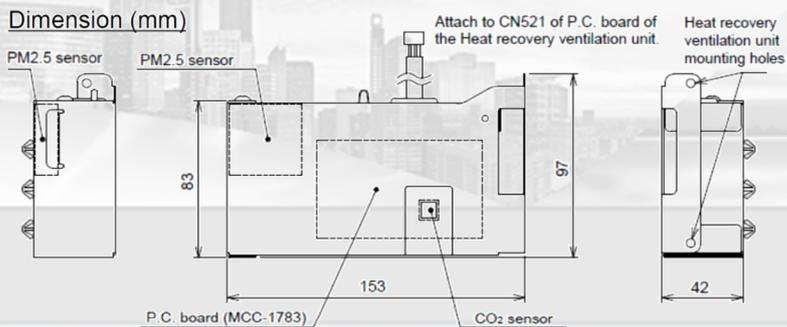
4. Applicable Market

UK & Ireland

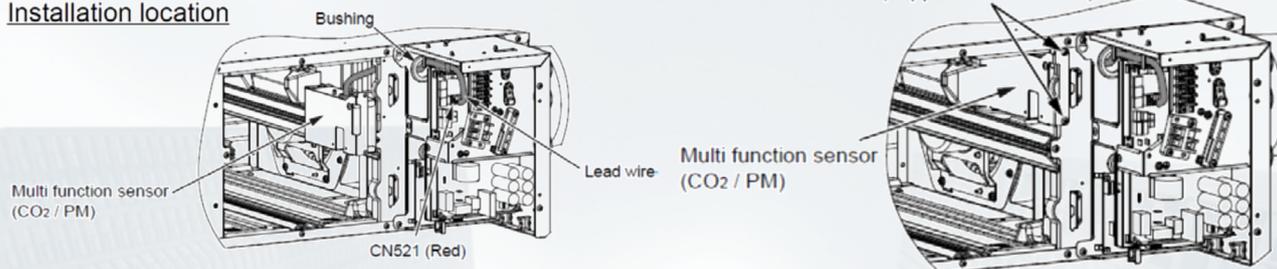
5. Compatible Heat Recovery Ventilation Units

Air Volume	Model Name
150 m ³ /h	VN-U00151SY-E
250 m ³ /h	VN-U00251SY-E
350 m ³ /h	VN-U00351SY-E
500 m ³ /h	VN-U00501SY-E
650 m ³ /h	VN-U00651SY-E
800 m ³ /h	VN-U00801SY-E
1000 m ³ /h	VN-U01001SY-E

6. Dimensions and installation Location

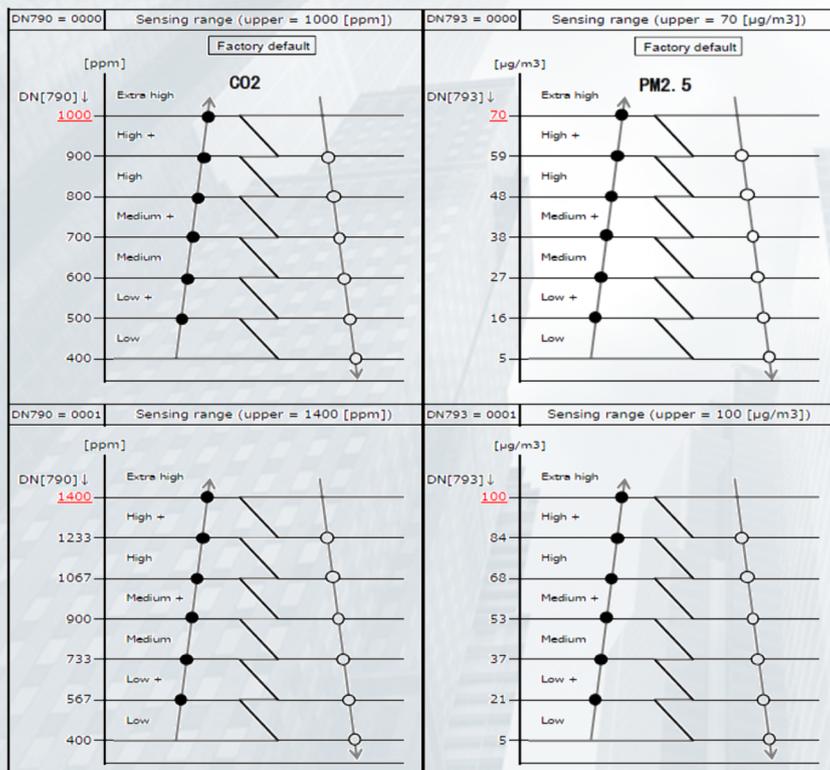


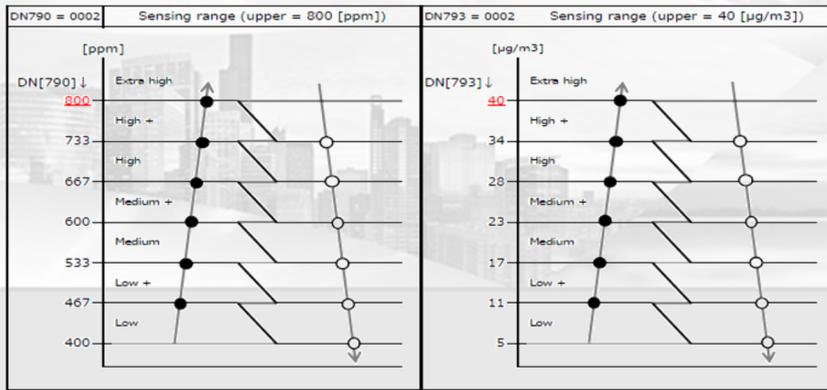
Installation location



7. Auto Mode Ventilation Fan Speed Control

- Sensing range can be set by three different levels for both CO2 and PM 2.5 by DN code 790 for CO2 and DN code 793 for PM 2.5.
- Each sensor can be activated/deactivated by DN code 560 for CO2 and DN code 566 for PM 2.5.
- The fan speed will be controlled on the higher concentration between the CO2 or PM 2.5 when both sensors are activated.





8. Multi-Function Sensor DN Codes

DN Code	Description	SET DATA and description	Factory default
560	CO2 Concentration Control	0000: Uncontrolled 0001: Controlled	0001: Controlled
561	CO2 Concentration remote controller display	0000: Hide 0001: Display	0001: Display
562	CO2 Concentration remote controller display correction	0000: No correction -0010 / 0010 : Remote controller display value (no correction) + setting data x 50ppm	0000: No Correction
563	CO2 Sensor altitude correction	0000: No correction (altitude 0 m) 0000 / 0040 : setting data x 100m altitude correction	0000: No Correction
564	CO2 Sensor calibration function	0000: Autocalibration enabled, Force disabled 0001: Autocalibration disabled, Force disabled 0002: Autocalibration disabled, force enabled	0000: Autocalibration enabled, force disabled
565	CO2 Sensor force calibration	0000: No calibration 0001 / 0100: Calibrate with setting data x 20ppm concentration	0000: No calibrate
566	PM2.5 Concentration control	0000: Uncontrolled 0001: Controlled	0001: Controlled
567	PM2.5 Concentration remote controller display	0000: Hide 0001: Display	0001: Display
568	PM2.5 Concentration remote controller display correction	0000: No correction -0020 / 0020: Remote controller display value (no correction) + setting data x 10ug/m3	0000: No correction
5F6	Multi-function sensor (CO2/PM) correction	0000: Without connection 0001: With connection	0000: Without connection
790	CO2 Target concentration	0000: 1000ppm 0001: 1400ppm 0002: 800ppm	0000: 1000 ppm
793	PM2.5 Target concentration	0000: 70ug/m3 0001: 100 ug/m3 0002: 40 ug/m3	0000: 70 ug/m3
796	Ventilation fan speed (Auto) fixed operation	0000: Invalid (according to fan speed in remote controller settings) 0001: Valid (fixed at fan speed (auto))	0000 : Invalid
79A	Fixed ventilation fan speed setting	0000: High 0001: Medium 0002: Low	0000: High
79B	Concentration-controlled minimum ventilation fan speed	0000: Low 0001: Medium	0000: Low

For further information please contact our customer support team on [0870 843 0333](tel:08708430333), your local representative, your supplier of Toshiba products or email any enquiries to: - general.enquiries@toshiba-ac.com