

# Inverter Multi Split System

## 1-way Cassette

### Indoor Units

**RAS-M05G3YVG-E**

**RAS-M07G3YVG-E**

**RAS-M10G3YVG-E**

**RAS-M13G3YVG-E**

**RAS-M16G3YVG-E**

**RAS-M18G3YVG-E**

**RAS-M24G3YVG-E**

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# 1.Specification

## Indoor unit : 1-way cassette type

|                            |                    |          |                    |                                             |                    |      |                    |     |                    |     |                 |  |
|----------------------------|--------------------|----------|--------------------|---------------------------------------------|--------------------|------|--------------------|-----|--------------------|-----|-----------------|--|
| Model name                 |                    |          | RAS-M05G3YVG-E(TR) |                                             | RAS-M07G3YVG-E(TR) |      | RAS-M10G3YVG-E(TR) |     | RAS-M13G3YVG-E(TR) |     |                 |  |
| Cooling Capacity (*1)      |                    |          | (kW)               | 1.5                                         |                    | 2.0  |                    | 2.5 |                    | 3.6 |                 |  |
| Heating Capacity (*1)      |                    |          | (kW)               | 2.0                                         |                    | 2.5  |                    | 3.2 |                    | 4.0 |                 |  |
| Electrical characteristics | Power supply       |          |                    | 1 Ph., 220-240V, 50 Hz                      |                    |      |                    |     |                    |     |                 |  |
|                            | Running current    |          |                    | (A)                                         | 0.16/0.15          |      | 0.18/0.17          |     | 0.19/0.18          |     | 0.20/0.19       |  |
|                            | Power consumption  |          |                    | (kW)                                        | 0.015              |      | 0.017              |     | 0.018              |     | 0.019           |  |
| Appearance                 | Main unit          |          |                    | Zinc hot dipping steel plate                |                    |      |                    |     |                    |     |                 |  |
|                            | Ceiling panel (*2) |          | Model name         |                                             | RBC-UY32P-E        |      |                    |     |                    |     |                 |  |
|                            |                    |          | Panel Color        |                                             | White              |      |                    |     |                    |     |                 |  |
| Outer dimension            | Main unit          |          | Height (*3)        |                                             | (mm)               | 150  |                    |     |                    |     |                 |  |
|                            |                    |          | Width              |                                             | (mm)               | 990  |                    |     |                    |     |                 |  |
|                            |                    |          | Depth (*4)         |                                             | (mm)               | 450  |                    |     |                    |     |                 |  |
|                            | Ceiling panel      |          | Height (*3)        |                                             | (mm)               | 225  |                    |     |                    |     |                 |  |
|                            |                    |          | Width              |                                             | (mm)               | 1190 |                    |     |                    |     |                 |  |
|                            |                    |          | Depth              |                                             | (mm)               | 520  |                    |     |                    |     |                 |  |
|                            |                    |          |                    |                                             |                    |      |                    |     |                    |     |                 |  |
| Total weight               | Main unit          |          |                    | (kg)                                        | 13                 |      |                    |     |                    |     |                 |  |
|                            | Ceiling panel      |          |                    | (kg)                                        | 3                  |      |                    |     |                    |     |                 |  |
| Heat exchanger             |                    |          |                    | Finned tube                                 |                    |      |                    |     |                    |     |                 |  |
| Fan unit                   | Fan                |          |                    | Cross flow fan                              |                    |      |                    |     |                    |     |                 |  |
|                            | Standard air flow  |          | H / M / L          | (m³/hr)                                     | 480 / 390 / 290    |      | 500 / 390 / 290    |     | 520 / 420 / 310    |     | 540 / 420 / 310 |  |
|                            | Motor              |          |                    | (W)                                         | 42                 |      |                    |     |                    |     |                 |  |
| Air filter                 |                    |          |                    | Standard filter attached (Long life filter) |                    |      |                    |     |                    |     |                 |  |
| Controller (*2)            |                    |          |                    | Remote control                              |                    |      |                    |     |                    |     |                 |  |
| Sound pressure level       |                    |          | H / M / L          | (dBA)                                       | 37 / 33 / 25       |      | 38 / 34 / 25       |     | 39 / 35 / 26       |     | 40 / 36 / 26    |  |
| Sound power level          |                    |          | H / M / L          | (dBA)                                       | 50 / 46 / 38       |      | 51 / 47 / 38       |     | 52 / 48 / 39       |     | 53 / 49 / 39    |  |
| Connecting pipe            |                    | Gas side |                    | (mm)                                        | 9.52               |      |                    |     |                    |     |                 |  |
|                            |                    | Liquid   |                    | (mm)                                        | 6.35               |      |                    |     |                    |     |                 |  |

### Note

- (\*1) Cooling / Heating capacity is based on single connection operation with standard piping length under Japanese industrial standard B8615 Condition 1.
- (\*2) Remote controller and ceiling panel are sold separately.
- (\*3) Height from the ceiling.
- (\*4) Depth doesn't including the electric parts box.

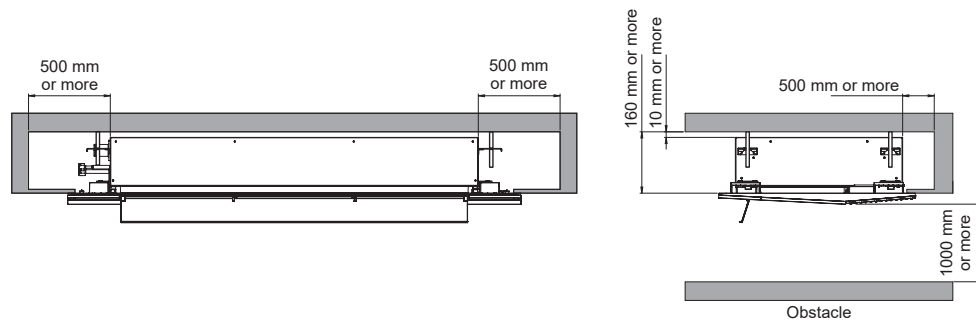
|                            |                        |                  |                                             |             |                    |  |                    |  |
|----------------------------|------------------------|------------------|---------------------------------------------|-------------|--------------------|--|--------------------|--|
| Model name                 |                        |                  | RAS-M16G3YVG-E(TR)                          |             | RAS-M18G3YVG-E(TR) |  | RAS-M24G3YVG-E(TR) |  |
| Cooling Capacity (kW)      |                        |                  | 4.6                                         |             | 5.0                |  | 7.0                |  |
| Heating Capacity (kW)      |                        |                  | 5.5                                         |             | 5.8                |  | 8.0                |  |
| Electrical characteristics | Power supply           |                  | 1 Ph., 220-240V, 50 Hz                      |             |                    |  |                    |  |
|                            | Running current (A)    |                  | 0.25/0.24                                   |             | 0.27/0.26          |  | 0.36/0.34          |  |
|                            | Power consumption (kW) |                  | 0.025                                       |             | 0.027              |  | 0.042              |  |
| Appearance                 | Main unit              |                  | Zinc hot dipping steel plate                |             |                    |  |                    |  |
|                            | Ceiling panel (*2)     | Model name       |                                             | RBC-UY42P-E |                    |  |                    |  |
|                            |                        | Panel Color      |                                             | White       |                    |  |                    |  |
| Outer dimension            | Main unit              | Height (*3) (mm) |                                             | 150         |                    |  |                    |  |
|                            |                        | Width (mm)       |                                             | 1180        |                    |  |                    |  |
|                            |                        | Depth (*4) (mm)  |                                             | 450         |                    |  |                    |  |
|                            | Ceiling panel          | Height (*3) (mm) |                                             | 30          |                    |  |                    |  |
|                            |                        | Width (mm)       |                                             | 1410        |                    |  |                    |  |
|                            |                        | Depth (mm)       |                                             | 530         |                    |  |                    |  |
| Total weight               | Main unit (kg)         |                  | 14                                          |             |                    |  | 15                 |  |
|                            | Ceiling panel (kg)     |                  | 1                                           |             |                    |  |                    |  |
| Heat exchanger             |                        |                  | Finned tube                                 |             |                    |  |                    |  |
| Fan unit                   | Fan                    |                  | Cross flow fan                              |             |                    |  |                    |  |
|                            | Standard air flow      | H/M/L (m³/hr)    | 750/630/500                                 |             | 800/650/500        |  | 940/760/600        |  |
|                            | Motor (W)              |                  | 42                                          |             |                    |  | 59                 |  |
| Air filter                 |                        |                  | Standard filter attached (Long life filter) |             |                    |  |                    |  |
| Controller (*2)            |                        |                  | Remote control                              |             |                    |  |                    |  |
| Sound pressure level       |                        | H/M/L (dBA)      | 39/36/33                                    |             | 40/37/33           |  | 46/42/37           |  |
| Sound power level          |                        | H/M/L (dBA)      | 52/49/47                                    |             | 53/50/46           |  | 59/55/50           |  |
| Connecting pipe            |                        | Gas side (mm)    | 12.70                                       |             |                    |  |                    |  |
|                            |                        | Liquid (mm)      | 6.35                                        |             |                    |  |                    |  |

**Note**

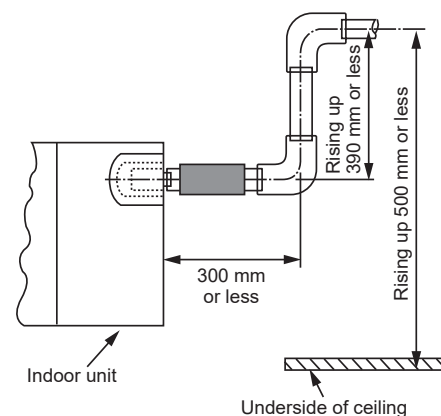
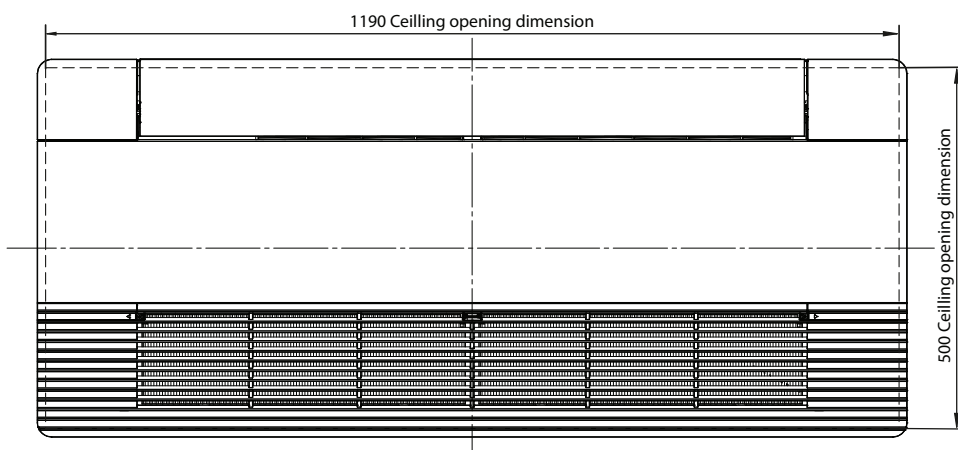
- (\*1) Cooling / Heating capacity is based on single connection operation with standard piping length under Japanese industrial standard B8615 Condition 1.
- (\*2) Remote controller and ceiling panel are sold separately.
- (\*3) Height from the ceiling.
- (\*4) Depth doesn't including the electric parts box.

### 3. Dimension

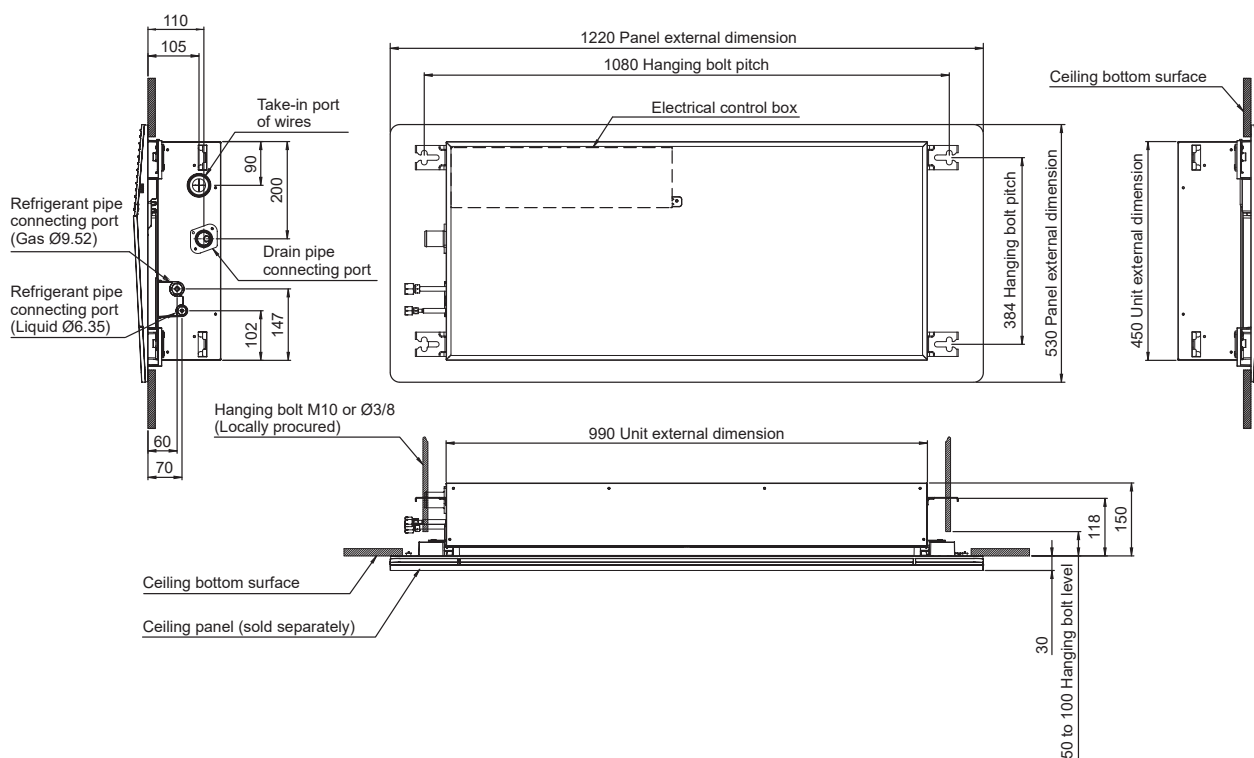
Indoor Unit : RAS-M\*\_G3YVG-E (05,07,10,13)



The space that is necessary for equipping and service

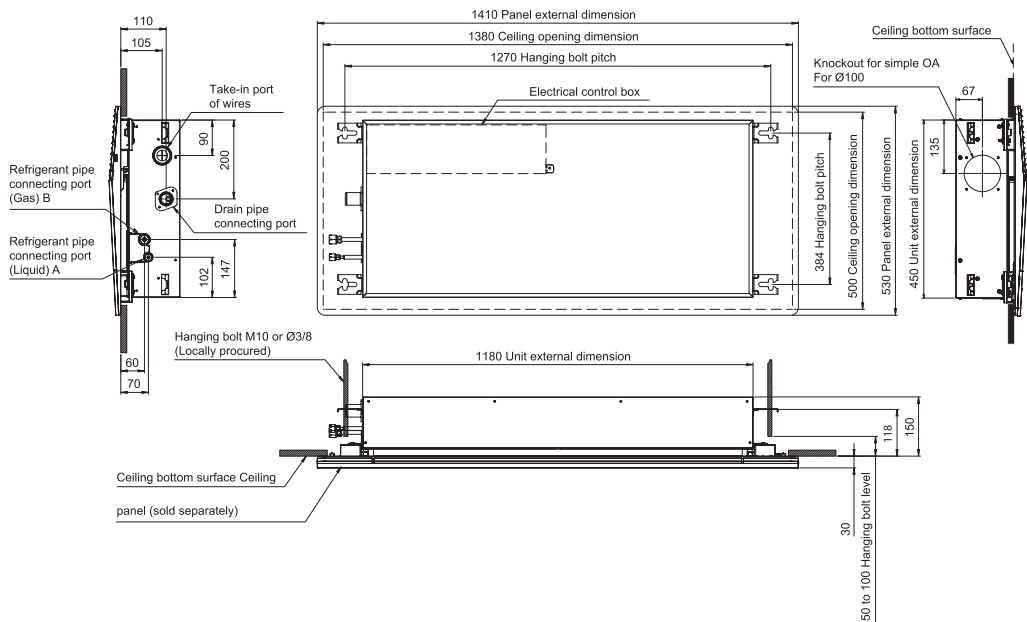
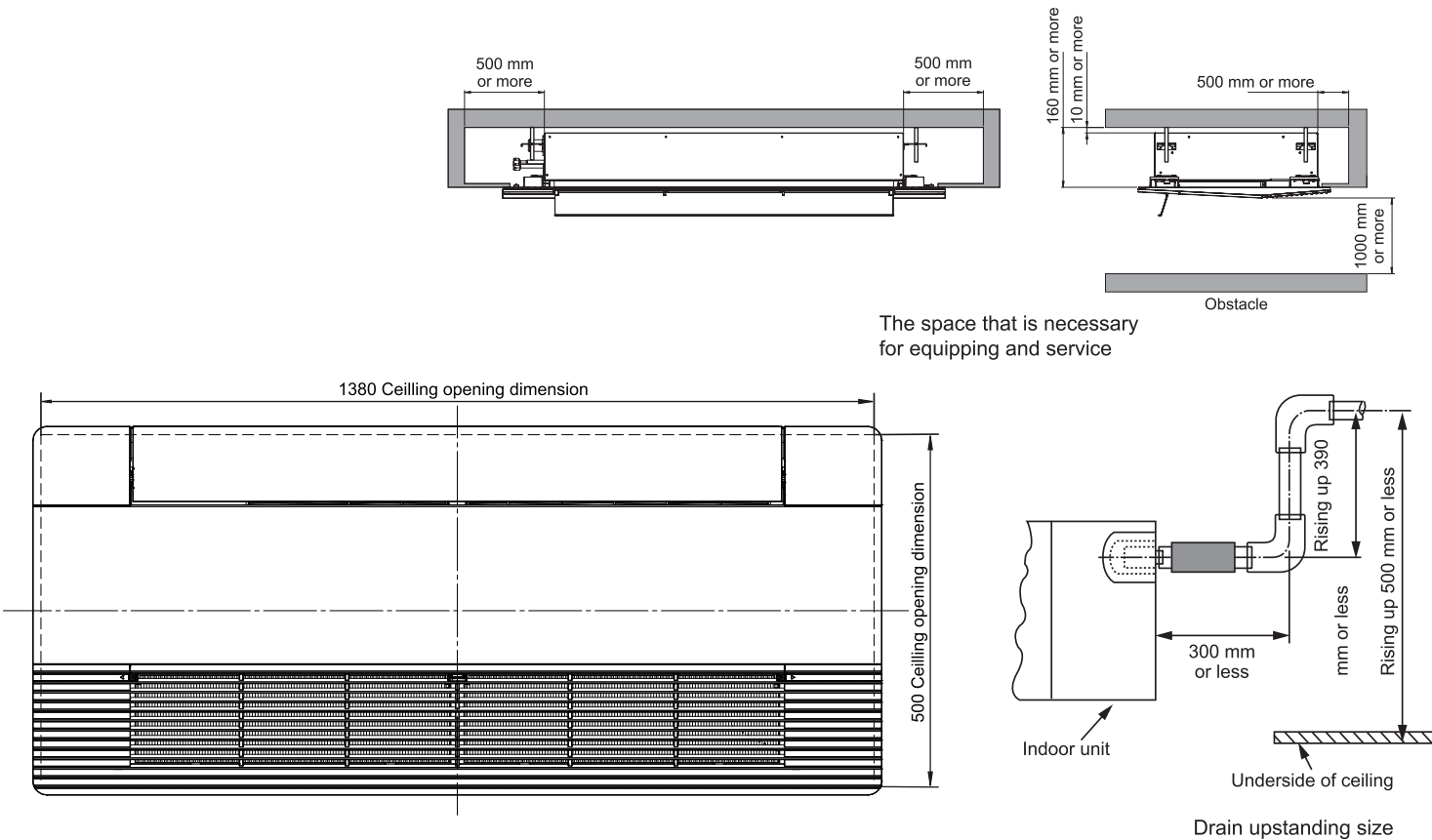


Drain upstanding size



(Unit : mm)

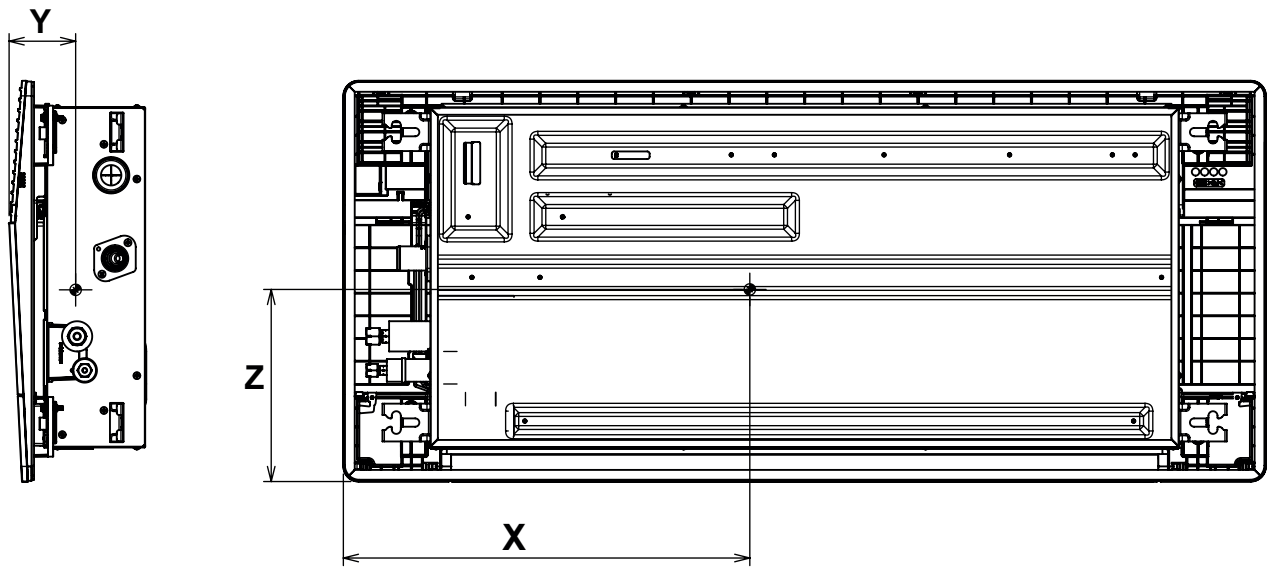
Indoor Unit : RAS-M\*\_G3YVG-E (16,18,24)



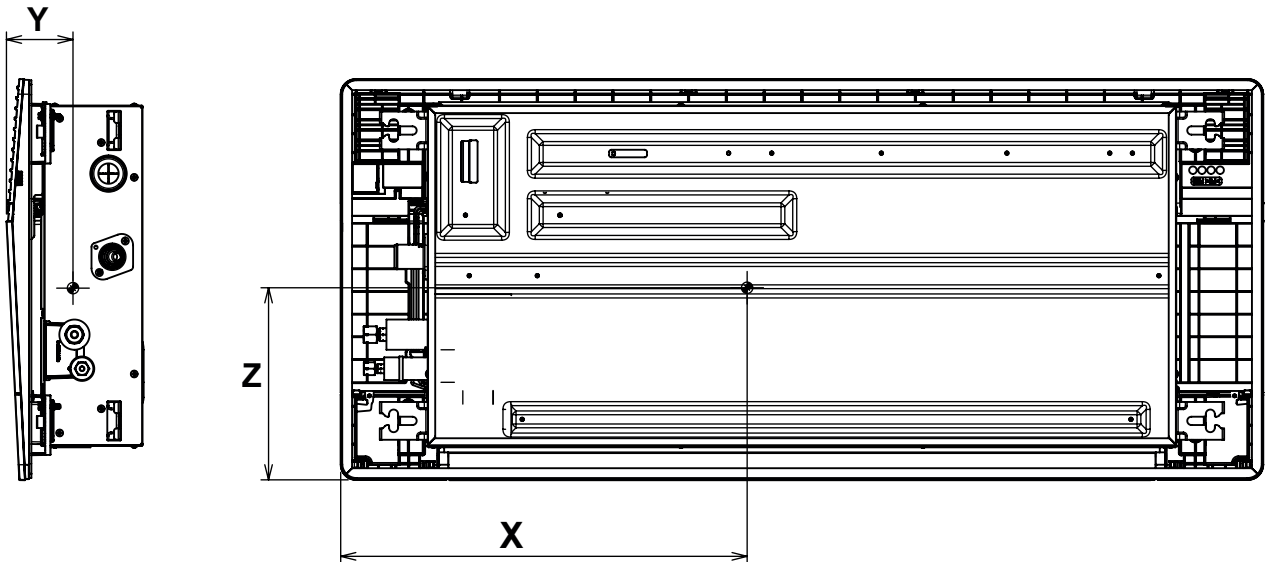
| Model                    | A     | B     |
|--------------------------|-------|-------|
| RAS-M16,18,24G3YVG-E(TR) | Ø6.35 | Ø12.7 |

3. Center of gravity

| Model name     | X (mm) | Y (mm) | Z (mm) | Total weight (kg) |
|----------------|--------|--------|--------|-------------------|
| RAS-M05G3YVG-E | 537.5  | 88     | 254    | 14                |
| RAS-M07G3YVG-E |        |        |        |                   |
| RAS-M10G3YVG-E |        |        |        |                   |
| RAS-M13G3YVG-E |        |        |        |                   |

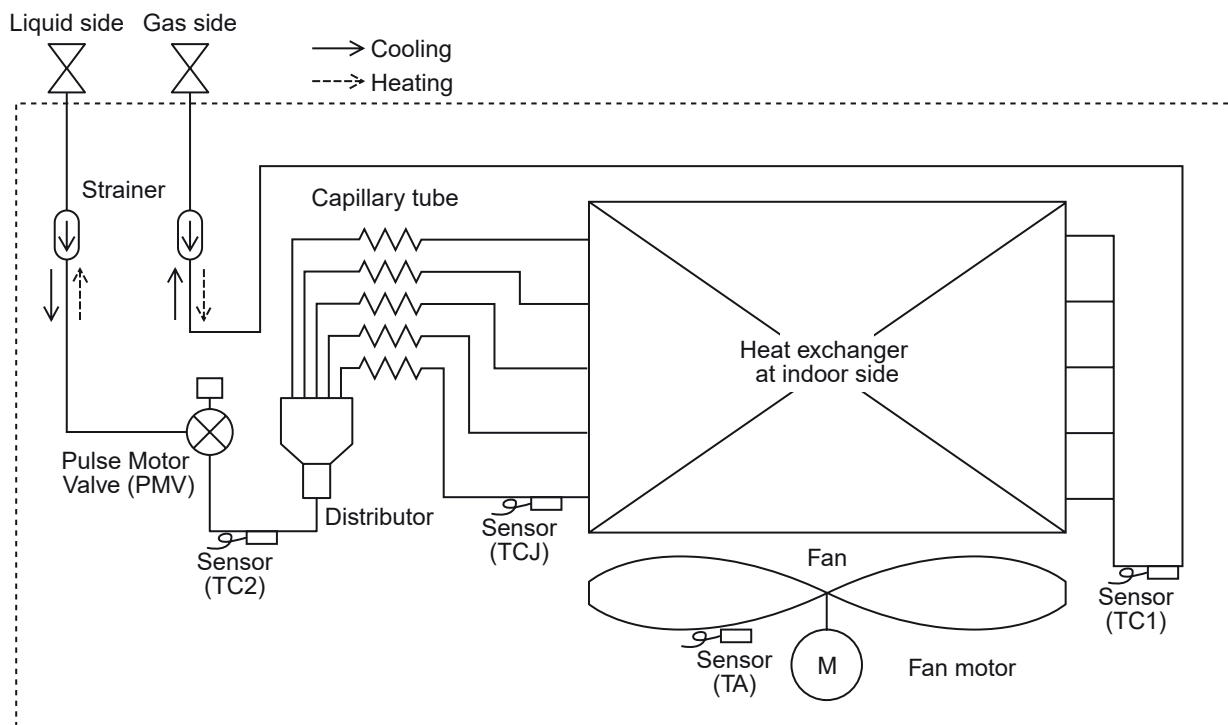


| Model name     | X (mm) | Y (mm) | Z (mm) | Total weight (kg) |
|----------------|--------|--------|--------|-------------------|
| RAS-M16G3YVG-E | 604    | 227    | 63.5   | 15                |
| RAS-M18G3YVG-E |        |        |        |                   |
| RAS-M24G3YVG-E | 608    | 231    | 63.5   | 16                |



#### 4. Piping diagram

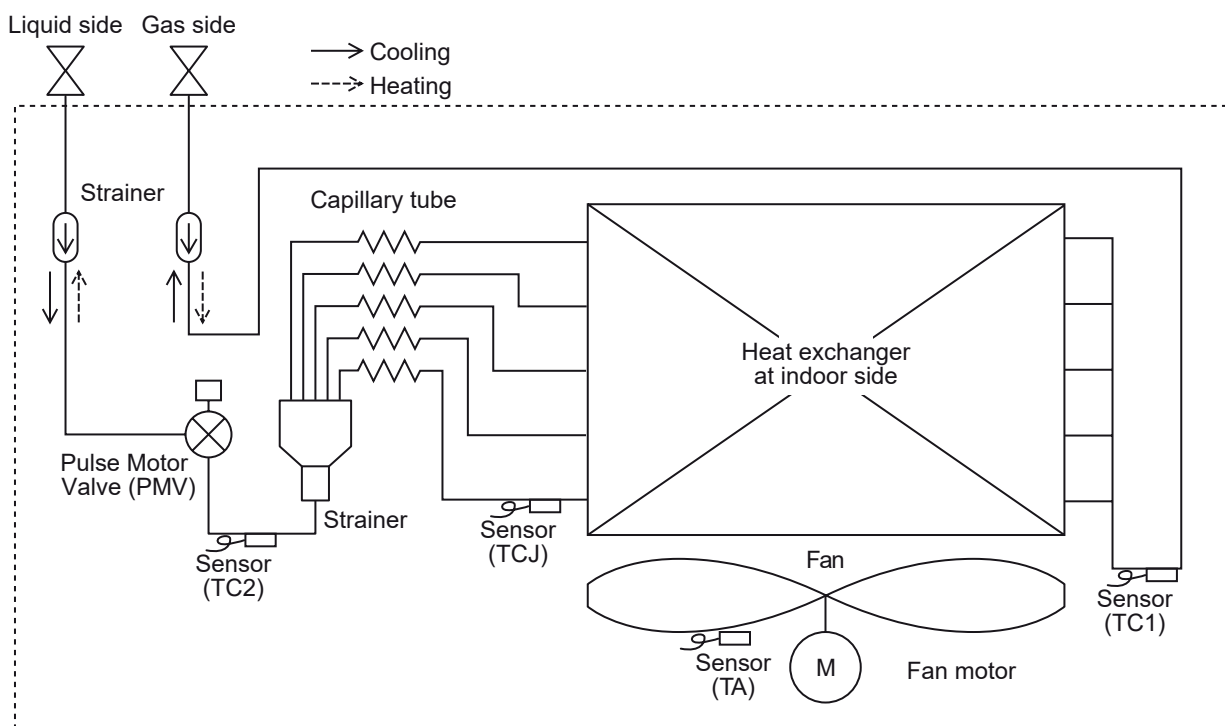
RAS-M\*\_G3YVG-E (05,07,10,13,16,18,24)



#### Explanation of functional parts in indoor unit

| Functional part name |     | Functional outline                                                                                                                                                                                                            |
|----------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pulse Motor Valve    | PMV | (Connector CN82 (6P): Blue)<br>1) Controls superheat in cooling operation<br>2) Controls subcool in heating operation<br>3) Recovers refrigerant oil in cooling operation<br>4) Recovers refrigerant oil in heating operation |
|                      | TA  | (Connector CN104 (2P): Yellow)<br>1) Detects indoor suction temperature                                                                                                                                                       |
| Temp. Sensor         | TC1 | (Connector CN100 (3P): Brown)<br>1) Controls PMV superheat in cooling operation                                                                                                                                               |
|                      | TC2 | (Connector CN101 (2P): Black)<br>1) Controls PMV subcool in heating operation                                                                                                                                                 |
|                      | TCJ | (Connector CN102 (2P): Red)<br>1) Controls PMV superheat in cooling operation                                                                                                                                                 |

## RAS-M\*\_G3YVG-E (16,18,24)

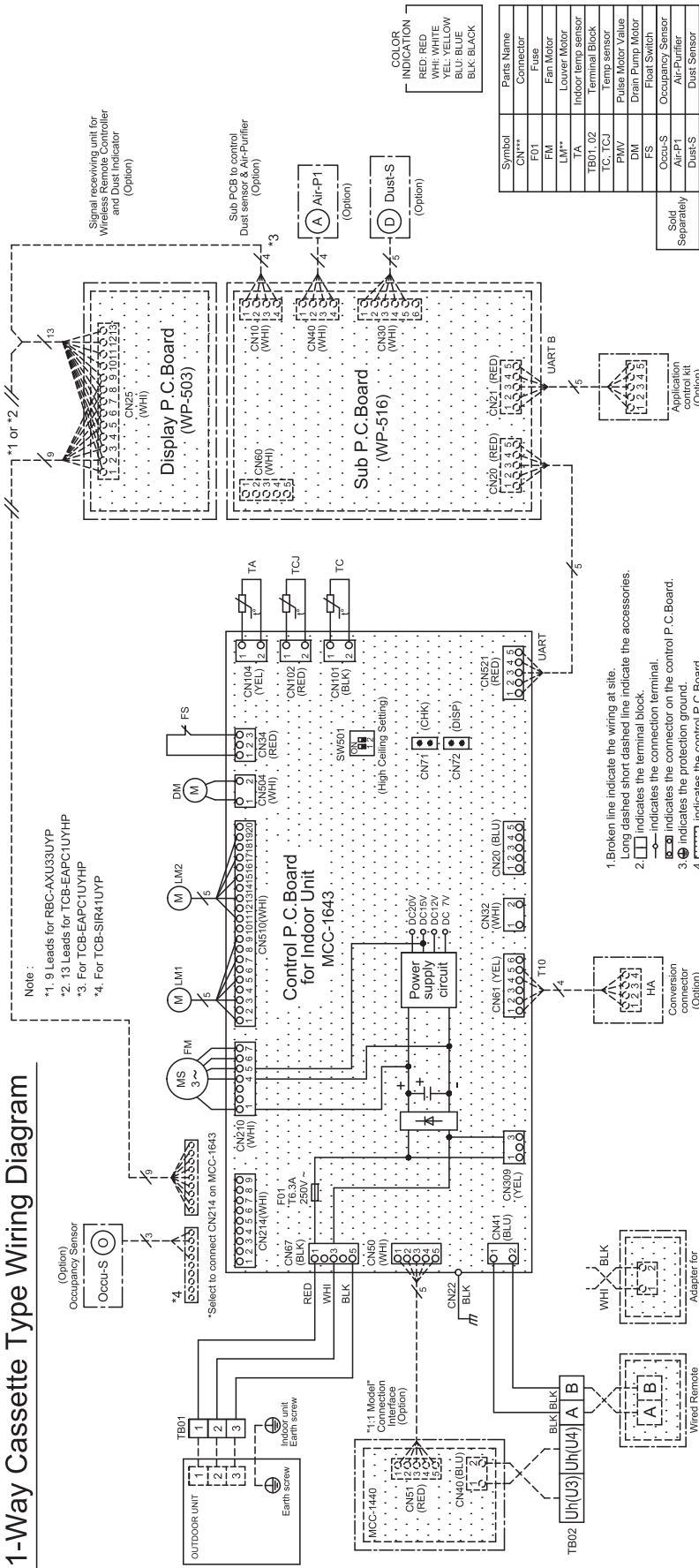


## Explanation of functional parts in indoor unit

| Functional part name |     | Functional outline                                                                                                                                                                                                            |
|----------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pulse Motor Valve    | PMV | (Connector CN82 (6P): Blue)<br>1) Controls superheat in cooling operation<br>2) Controls subcool in heating operation<br>3) Recovers refrigerant oil in cooling operation<br>4) Recovers refrigerant oil in heating operation |
|                      |     |                                                                                                                                                                                                                               |
| Temp. Sensor         | TA  | (Connector CN104 (2P): Yellow)<br>1) Detects indoor suction temperature                                                                                                                                                       |
|                      | TC1 | (Connector CN100 (3P): Brown)<br>1) Controls PMV superheat in cooling operation                                                                                                                                               |
|                      | TC2 | (Connector CN101 (2P): Black)<br>1) Controls PMV subcool in heating operation                                                                                                                                                 |
|                      | TCJ | (Connector CN102 (2P): Red)<br>1) Controls PMV superheat in cooling operation                                                                                                                                                 |

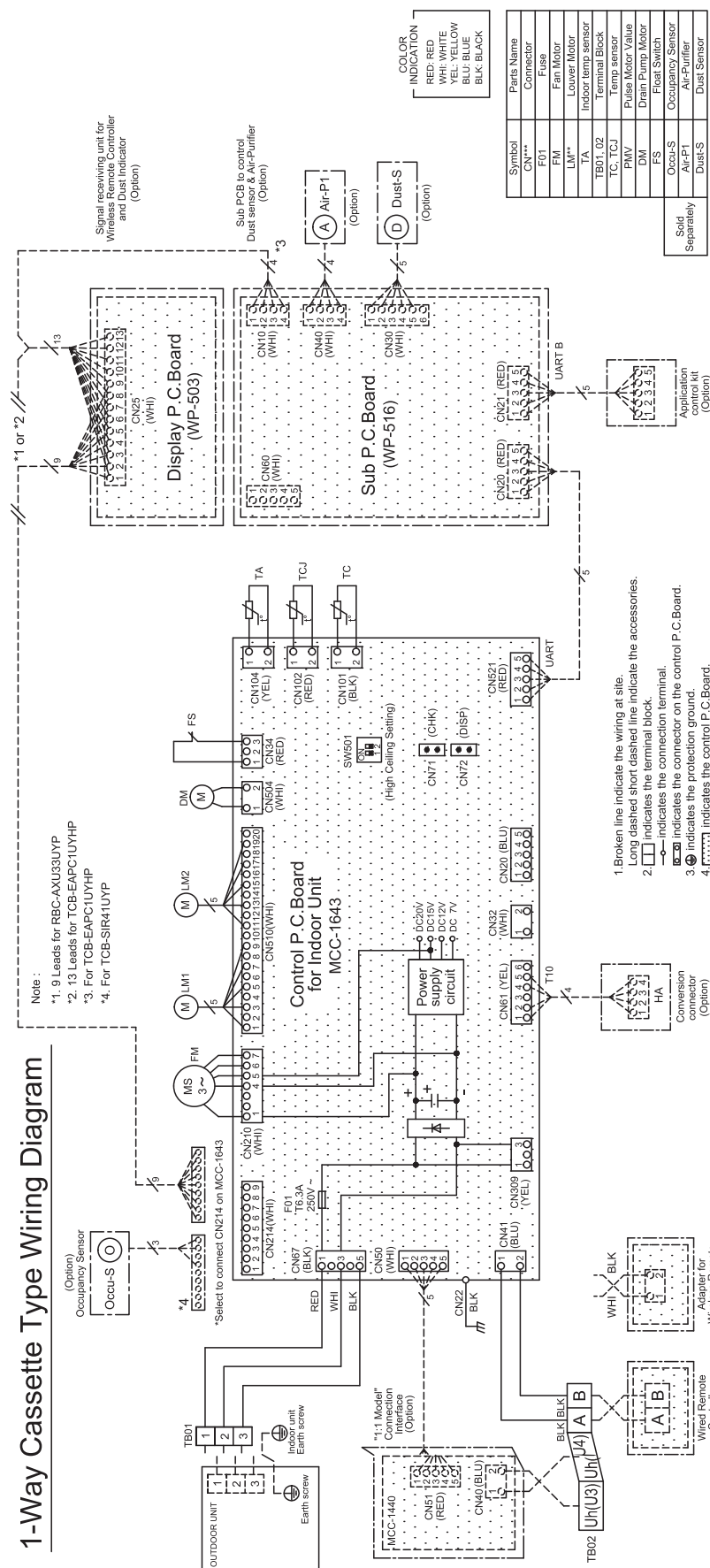
4. Wiring diagrams

RAS-M\*\_G3KVSG-E (05,07,10,13)



**RAS-M\*\_\_G3YVG-E (16,18,24)**

## 1-Way Cassette Type Wiring Diagram



## 6. Electrical characteristics

### 50 Hz

| Type                                           | Model           | Normal Voltage | Voltage Range |      | Fan Motor |      | Power Supply |      |
|------------------------------------------------|-----------------|----------------|---------------|------|-----------|------|--------------|------|
|                                                |                 | (V-Ph-Hz)      | Min.          | Max. | kW        | FLA  | MCA          | MOCP |
| Concealed Duct<br>High Static<br>Pressure Type | 40VD018H-8S-TEE | 230-1-50       | 198           | 264  | 0.250     | 1.02 | 1.28         | 15   |
|                                                | 40VD024H-8S-TEE | 230-1-50       | 198           | 264  | 0.250     | 1.33 | 1.66         | 15   |
|                                                | 40VD027H-8S-TEE | 230-1-50       | 198           | 264  | 0.250     | 1.33 | 1.96         | 15   |
|                                                | 40VD036H-8S-TEE | 230-1-50       | 198           | 264  | 0.350     | 2.22 | 2.78         | 15   |
|                                                | 40VD048H-8S-TEE | 230-1-50       | 198           | 264  | 0.350     | 2.40 | 2.99         | 15   |
|                                                | 40VD056H-8S-TEE | 230-1-50       | 198           | 264  | 0.350     | 2.57 | 3.22         | 15   |
|                                                | 40VD072H-8S-TEE | 230-1-50       | 198           | 264  | 1.000     | 4.30 | 5.40         | 15   |
|                                                | 40VD096H-8S-TEE | 230-1-50       | 198           | 264  | 1.000     | 5.50 | 6.90         | 15   |

MCA : Minimum Circuit Amps

FLA : Full Load Amps

MOCP : Maximum Overcurrent Protection (Amps)

kW : Fan Motor Rated Output (kW)

### 60 Hz

| Type                                           | Model           | Normal Voltage | Voltage Range |      | Fan Motor |      | Power Supply |      |
|------------------------------------------------|-----------------|----------------|---------------|------|-----------|------|--------------|------|
|                                                |                 | (V-Ph-Hz)      | Min.          | Max. | kW        | FLA  | MCA          | MOCP |
| Concealed Duct<br>High Static<br>Pressure Type | 40VD018H-8S-TEE | 220-1-60       | 187           | 253  | 0.250     | 1.43 | 1.79         | 15   |
|                                                | 40VD024H-8S-TEE | 220-1-60       | 187           | 253  | 0.250     | 1.55 | 1.94         | 15   |
|                                                | 40VD027H-8S-TEE | 220-1-60       | 187           | 253  | 0.250     | 1.86 | 2.33         | 15   |
|                                                | 40VD036H-8S-TEE | 220-1-60       | 187           | 253  | 0.350     | 2.02 | 2.53         | 15   |
|                                                | 40VD048H-8S-TEE | 220-1-60       | 187           | 253  | 0.350     | 2.57 | 3.21         | 15   |
|                                                | 40VD056H-8S-TEE | 220-1-60       | 187           | 253  | 0.350     | 3.25 | 4.06         | 15   |
|                                                | 40VD072H-8S-TEE | 220-1-60       | 187           | 253  | 0.800     | 4.90 | 6.13         | 15   |
|                                                | 40VD096H-8S-TEE | 220-1-60       | 187           | 253  | 0.800     | 6.74 | 8.43         | 15   |

MCA : Minimum Circuit Amps

FLA : Full Load Amps

MOCP : Maximum Overcurrent Protection (Amps)

kW : Fan Motor Rated Output (kW)

#### • Wiring Size

Must be independent from the outdoor unit power supply.

| Model \ Item               | Power supply wiring          |           |                              |           |
|----------------------------|------------------------------|-----------|------------------------------|-----------|
|                            | Wire size                    |           |                              |           |
| All models of indoor units | 2.0 mm <sup>2</sup> (AWG#14) | Max. 20 m | 3.5 mm <sup>2</sup> (AWG#12) | Max. 50 m |

#### NOTE:

The above connecting lengths stated in the table, indicate the length from the isolator to the outdoor unit. When the power supply of the indoor units are connected in parallel, it is assumed that no more than a 2% voltage drop will occur. If the connecting length is to exceed the stated lengths, select a suitable wire in accordance with the local wiring standards.

## 7. Sensible Capacity Table

### 1Way cassette Type (RAS-M\_G3YVG-E)

| Unit<br>size | indoor air temp. |          |     |          |     |          |     |          |     |          |     |          |     |          |     |
|--------------|------------------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|
|              | outdoor          | 14 °C WB |     | 16 °C WB |     | 18 °C WB |     | 19 °C WB |     | 20 °C WB |     | 22 °C WB |     | 24 °C WB |     |
|              | air temp.        | 20 °C DB |     | 23 °C DB |     | 26 °C DB |     | 27 °C DB |     | 28 °C DB |     | 30 °C DB |     | 32 °C DB |     |
|              | °C DB            | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC |
| 005          | 10.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 12.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 14.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 16.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 18.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 20.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 21.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 23.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 25.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 27.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 29.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 31.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 33.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 35.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.5 | 1.9      | 1.5 | 1.9      | 1.5 |
|              | 37.0             | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.5 | 1.6      | 1.5 | 1.7      | 1.5 | 1.8      | 1.4 | 1.9      | 1.4 |
|              | 39.0             | 1.3      | 1.2 | 1.4      | 1.3 | 1.5      | 1.4 | 1.6      | 1.4 | 1.6      | 1.4 | 1.7      | 1.4 | 1.8      | 1.3 |

| Unit<br>size | outdoor   | 14 °C WB |     | 16 °C WB |     | 18 °C WB |     | 19 °C WB |     | 20 °C WB |     | 22 °C WB |     | 24 °C WB |     |
|--------------|-----------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|
|              | air temp. | 20 °C DB |     | 23 °C DB |     | 26 °C DB |     | 27 °C DB |     | 28 °C DB |     | 30 °C DB |     | 32 °C DB |     |
|              | °C DB     | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC |
| 007          | 10.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 12.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 14.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 16.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 18.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 20.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 21.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 23.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 25.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 27.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 29.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 31.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 33.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 35.0      | 1.8      | 1.5 | 2.0      | 1.6 | 2.1      | 1.7 | 2.2      | 1.7 | 2.3      | 1.7 | 2.4      | 1.7 | 2.5      | 1.6 |
|              | 37.0      | 1.7      | 1.5 | 1.9      | 1.6 | 2.1      | 1.7 | 2.1      | 1.6 | 2.2      | 1.6 | 2.3      | 1.6 | 2.4      | 1.6 |
|              | 39.0      | 1.7      | 1.4 | 1.9      | 1.5 | 2.0      | 1.6 | 2.1      | 1.6 | 2.1      | 1.6 | 2.3      | 1.6 | 2.4      | 1.5 |

| Unit size | outdoor   | 14 °C WB |     | 16 °C WB |     | 18 °C WB |     | 19 °C WB |     | 20 °C WB |     | 22 °C WB |     | 24 °C WB |     |
|-----------|-----------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|
|           | air temp. | 20 °C DB |     | 23 °C DB |     | 26 °C DB |     | 27 °C DB |     | 28 °C DB |     | 30 °C DB |     | 32 °C DB |     |
|           | C DB      | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC |
| 009       | 10.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 12.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 14.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 16.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 18.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 20.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 21.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 23.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 25.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 27.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 29.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 31.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 33.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 35.0      | 2.3      | 1.8 | 2.5      | 1.9 | 2.7      | 2.0 | 2.8      | 2.0 | 2.9      | 2.0 | 3.1      | 2.0 | 3.2      | 1.9 |
|           | 37.0      | 2.2      | 1.7 | 2.5      | 1.8 | 2.6      | 1.9 | 2.7      | 1.9 | 2.8      | 1.9 | 3.0      | 1.9 | 3.1      | 1.9 |
|           | 39.0      | 2.2      | 1.7 | 2.4      | 1.8 | 2.6      | 1.9 | 2.6      | 1.9 | 2.7      | 1.9 | 2.9      | 1.9 | 3.0      | 1.8 |

| Unit<br>size | outdoor   | 14 °C WB |     | 16 °C WB |     | 18 °C WB |     | 19 °C WB |     | 20 °C WB |     | 22 °C WB |     | 24 °C WB |     |
|--------------|-----------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|
|              | air temp. | 20 °C DB |     | 23 °C DB |     | 26 °C DB |     | 27 °C DB |     | 28 °C DB |     | 30 °C DB |     | 32 °C DB |     |
|              | °C DB     | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC |
| 012          | 10.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 12.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 14.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 16.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 18.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 20.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 21.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 23.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 25.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 27.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 29.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 31.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 33.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 35.0      | 3.0      | 2.2 | 3.3      | 2.4 | 3.5      | 2.5 | 3.6      | 2.5 | 3.7      | 2.5 | 3.9      | 2.5 | 4.1      | 2.4 |
|              | 37.0      | 2.9      | 2.1 | 3.2      | 2.3 | 3.4      | 2.4 | 3.5      | 2.4 | 3.6      | 2.4 | 3.8      | 2.4 | 4.0      | 2.3 |
|              | 39.0      | 2.8      | 2.1 | 3.1      | 2.2 | 3.3      | 2.4 | 3.4      | 2.4 | 3.5      | 2.4 | 3.7      | 2.3 | 3.9      | 2.3 |

## 1Way cassette Type (RAS-M\_G3YVG-E)

| indoor air temp. |           |          |     |          |     |          |     |          |     |          |     |          |     |          |     |
|------------------|-----------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|
| Unit<br>size     | outdoor   | 14 °C WB |     | 16 °C WB |     | 18 °C WB |     | 19 °C WB |     | 20 °C WB |     | 22 °C WB |     | 24 °C WB |     |
|                  | air temp. | 20 °C DB |     | 23 °C DB |     | 26 °C DB |     | 27 °C DB |     | 28 °C DB |     | 30 °C DB |     | 32 °C DB |     |
|                  | °C DB     | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC | TC       | SHC |
| 015              | 10.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 12.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 14.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 16.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 18.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 20.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 21.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 23.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 25.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 27.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 29.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 31.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
|                  | 33.0      | 3.8      | 2.9 | 4.0      | 3.0 | 4.3      | 3.1 | 4.5      | 3.2 | 4.6      | 3.2 | 4.9      | 3.2 | 5.1      | 3.1 |
| 35.0             | 3.8       | 2.9      | 4.0 | 3.0      | 4.3 | 3.1      | 4.5 | 3.2      | 4.6 | 3.2      | 4.9 | 3.2      | 5.1 | 3.1      |     |
| 37.0             | 3.7       | 2.8      | 3.9 | 2.9      | 4.2 | 3.0      | 4.4 | 3.1      | 4.5 | 3.1      | 4.8 | 3.1      | 5.0 | 3.0      |     |
| 39.0             | 3.6       | 2.7      | 3.8 | 2.8      | 4.1 | 2.9      | 4.3 | 3.0      | 4.4 | 3.0      | 4.6 | 3.0      | 4.8 | 2.9      |     |
| 018              | 10.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 12.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 14.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 16.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 18.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 20.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 21.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 23.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 25.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 27.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 29.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 31.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
|                  | 33.0      | 4.8      | 3.6 | 5.0      | 3.6 | 5.3      | 3.8 | 5.6      | 3.9 | 5.7      | 3.9 | 6.1      | 3.9 | 6.3      | 3.7 |
| 35.0             | 4.8       | 3.6      | 5.0 | 3.6      | 5.3 | 3.8      | 5.6 | 3.9      | 5.7 | 3.9      | 6.1 | 3.9      | 6.3 | 3.7      |     |
| 37.0             | 4.7       | 3.5      | 4.9 | 3.5      | 5.1 | 3.7      | 5.4 | 3.8      | 5.5 | 3.8      | 5.9 | 3.8      | 6.1 | 3.6      |     |
| 39.0             | 4.6       | 3.4      | 4.7 | 3.4      | 5.0 | 3.6      | 5.3 | 3.7      | 5.4 | 3.7      | 5.8 | 3.7      | 6   | 3.5      |     |
| 024              | 10.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 12.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 14.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 16.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 18.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 20.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 21.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 23.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 25.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 27.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 29.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 31.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
|                  | 33.0      | 6.0      | 4.5 | 6.3      | 4.6 | 6.7      | 4.8 | 7.1      | 5.0 | 7.2      | 5.0 | 7.7      | 5.0 | 8.0      | 4.8 |
| 35.0             | 6.0       | 4.5      | 6.3 | 4.6      | 6.7 | 4.8      | 7.1 | 5.0      | 7.2 | 5.0      | 7.7 | 5.0      | 8.0 | 4.8      |     |
| 37.0             | 5.8       | 4.4      | 6.1 | 4.5      | 6.5 | 4.7      | 6.9 | 4.9      | 7.0 | 4.9      | 7.5 | 4.9      | 7.8 | 4.7      |     |
| 39.0             | 5.7       | 4.3      | 6.0 | 4.4      | 6.4 | 4.6      | 6.7 | 4.7      | 6.8 | 4.7      | 7.3 | 4.7      | 7.6 | 4.6      |     |

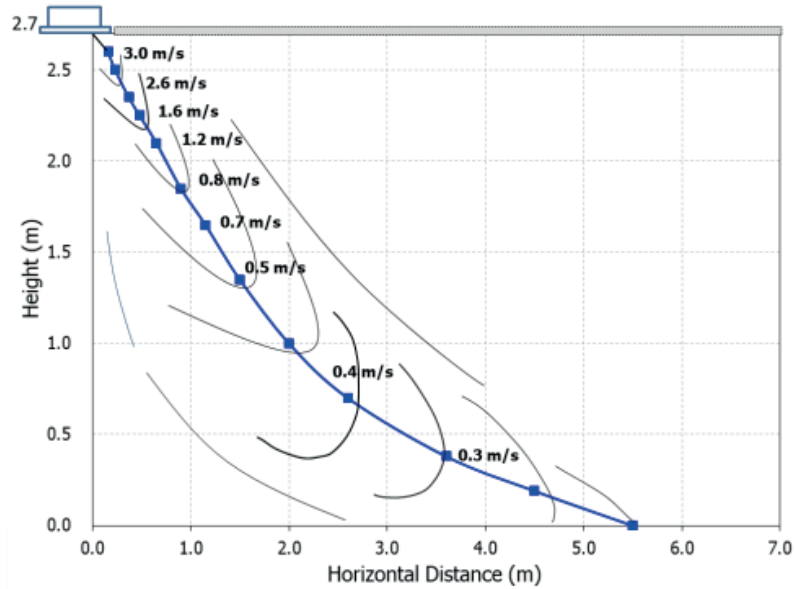
TC : Total Capacity [kW]

SHC : Sensible Heat Capacity [kW]

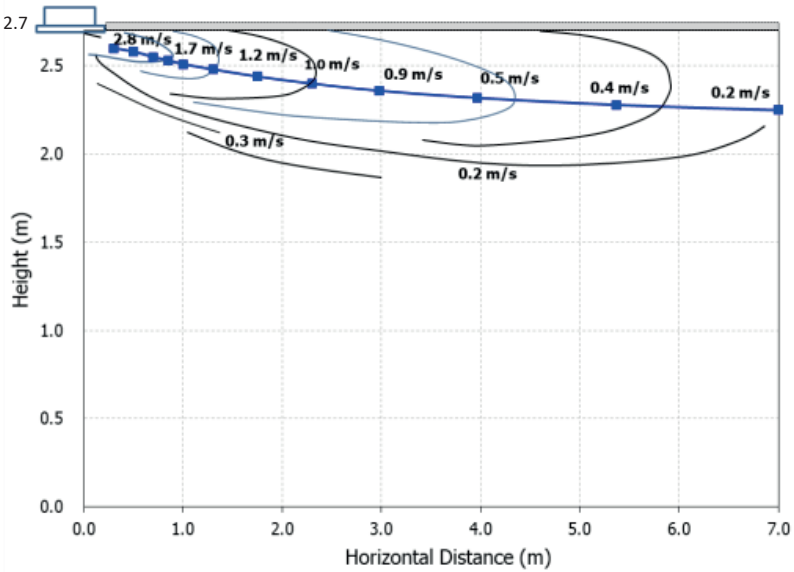
# 8. Air flow distance chart

RAS-M05G3YVG-E

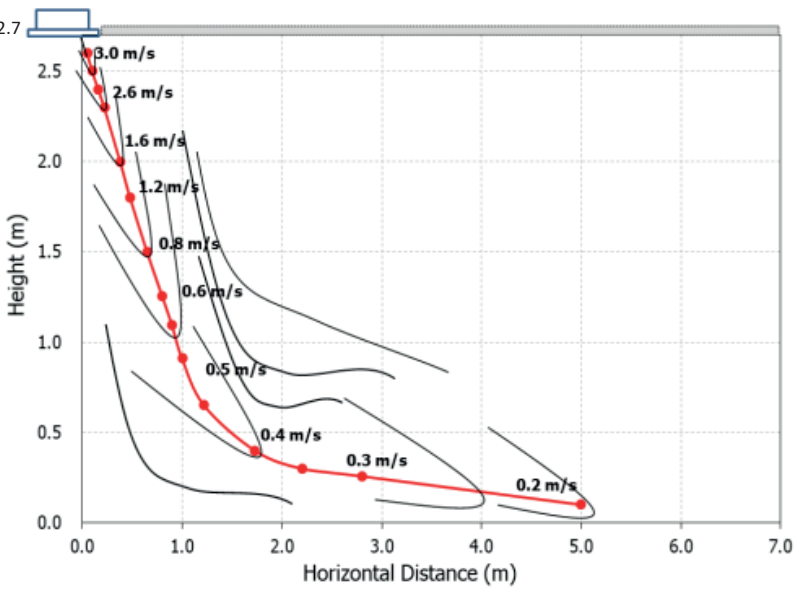
Center louver



Upper louver

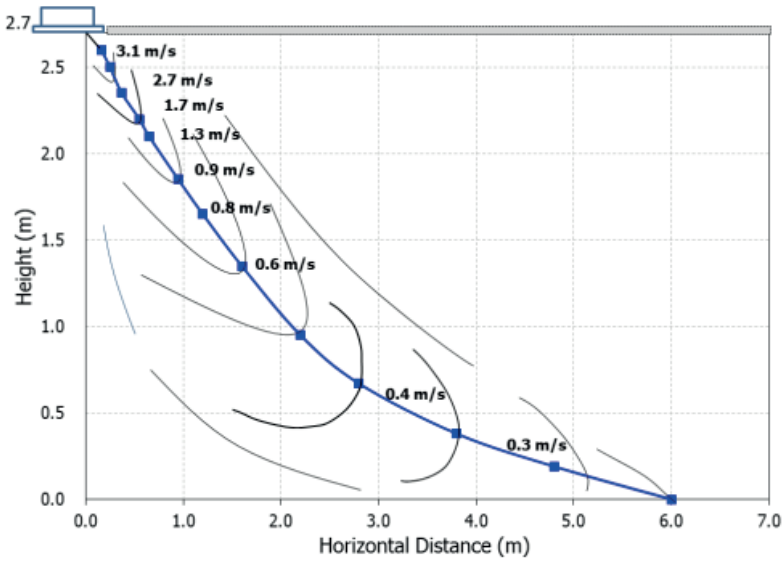


Lower louver

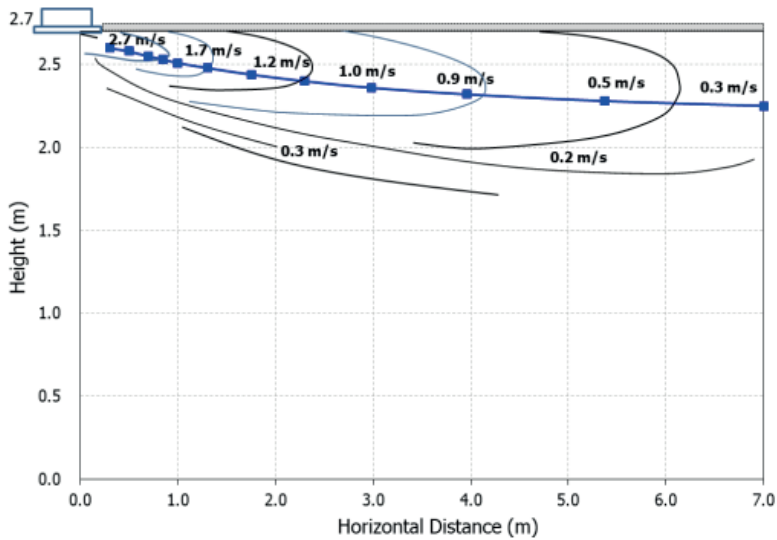


RAS-M07G3YVG-E

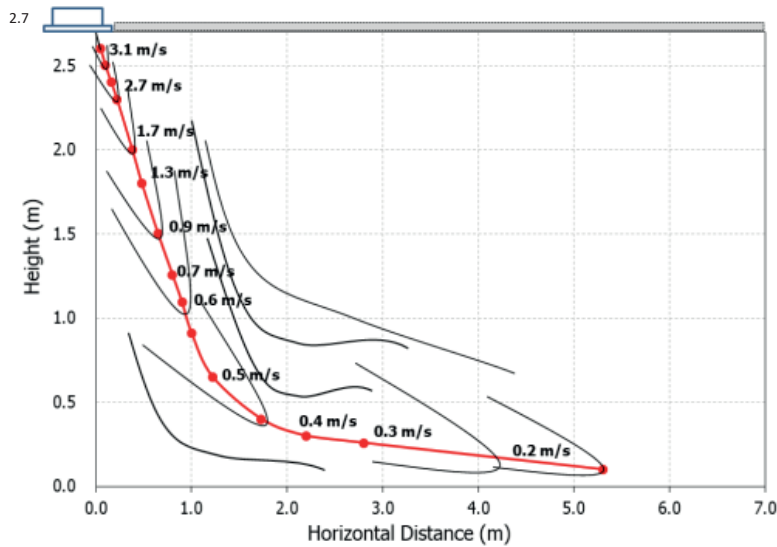
Center louver



Upper louver

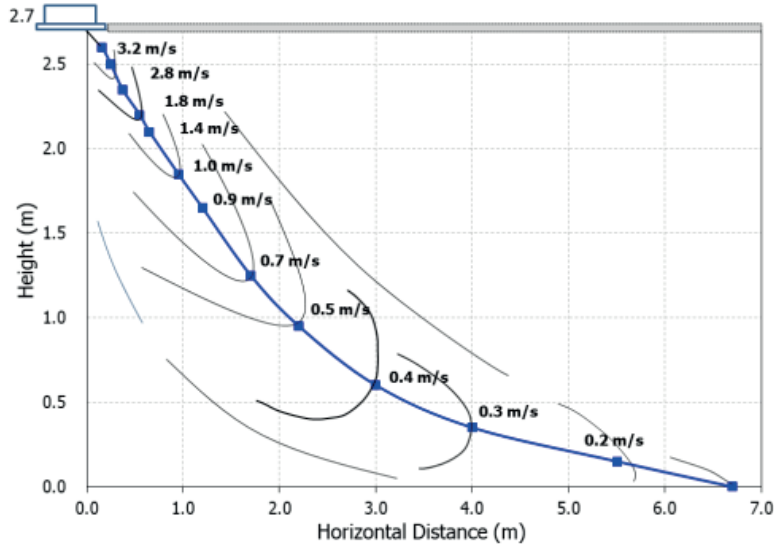


Lower louver

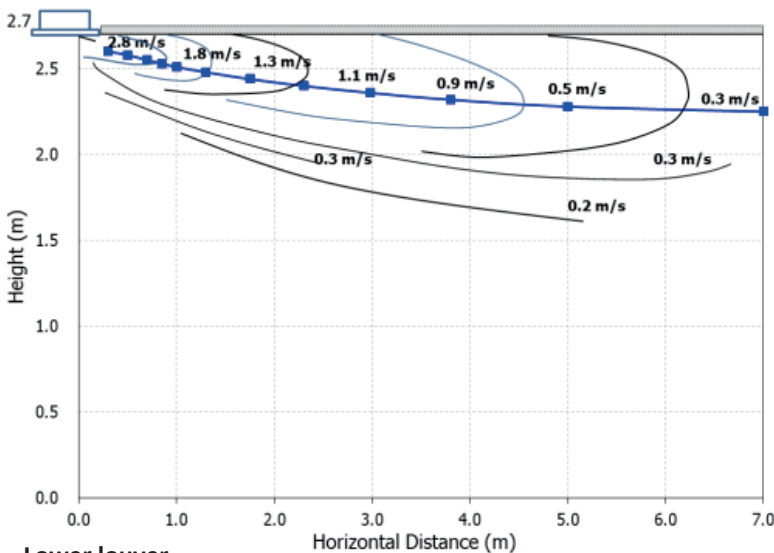


RAS-M10G3YVG-E

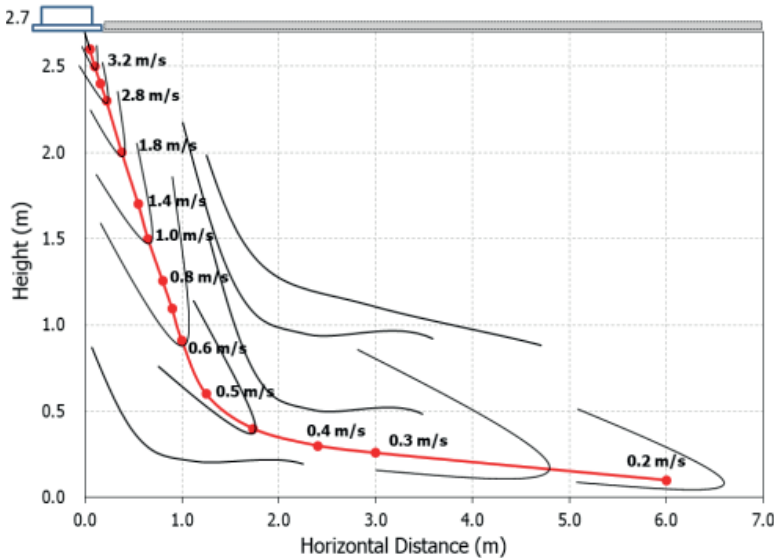
Center louver



Upper louver

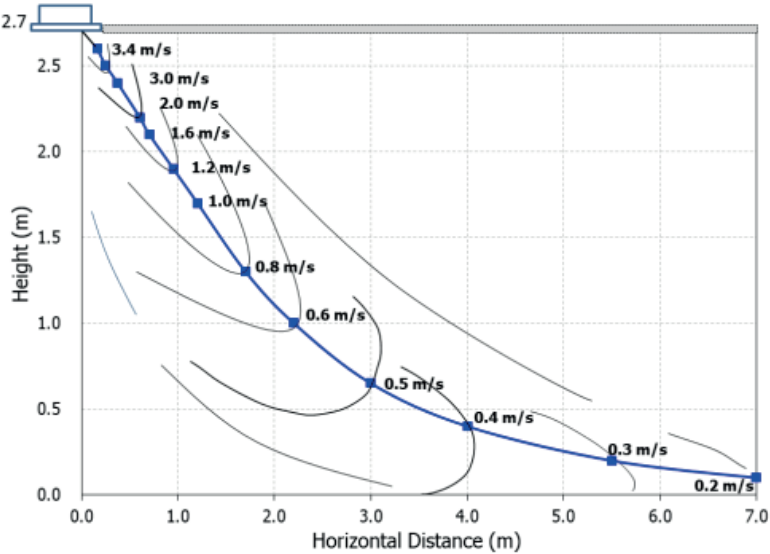


Lower louver

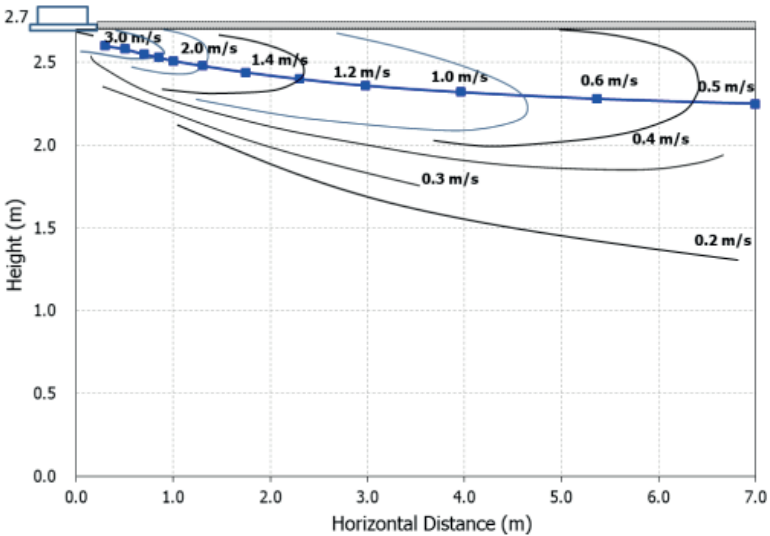


RAS-M13G3YVG-E

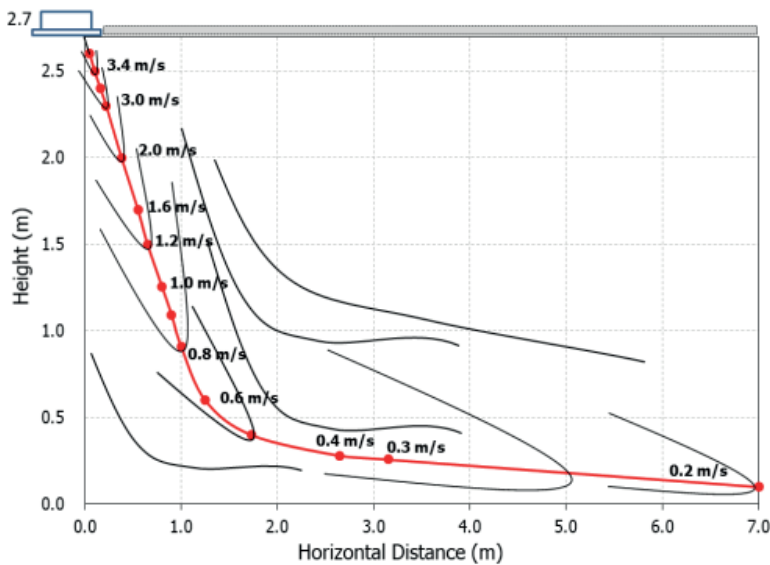
Center louver



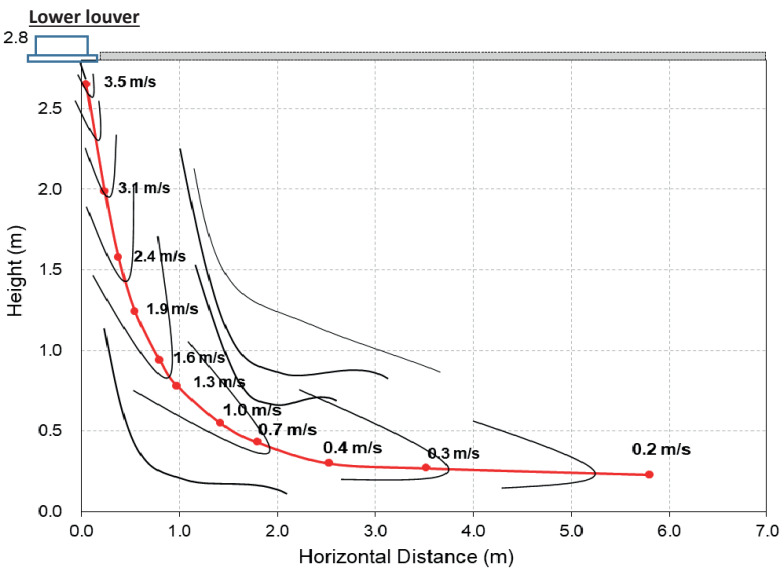
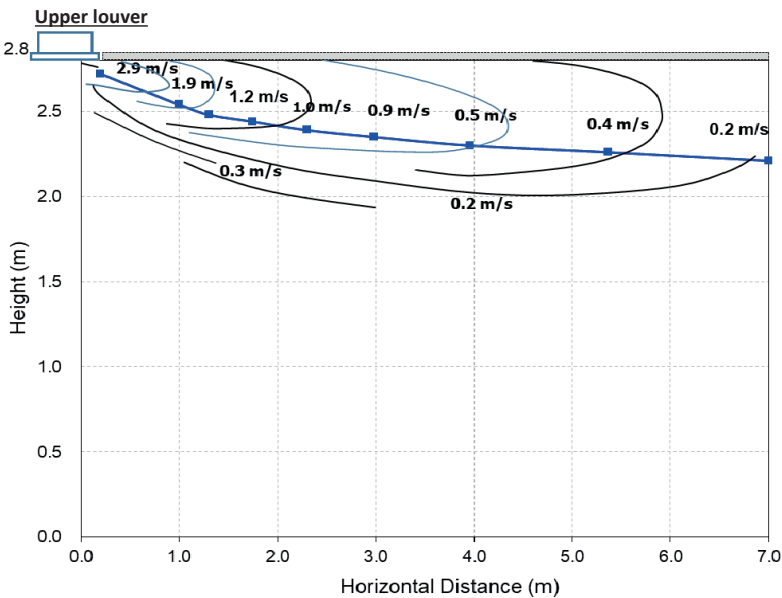
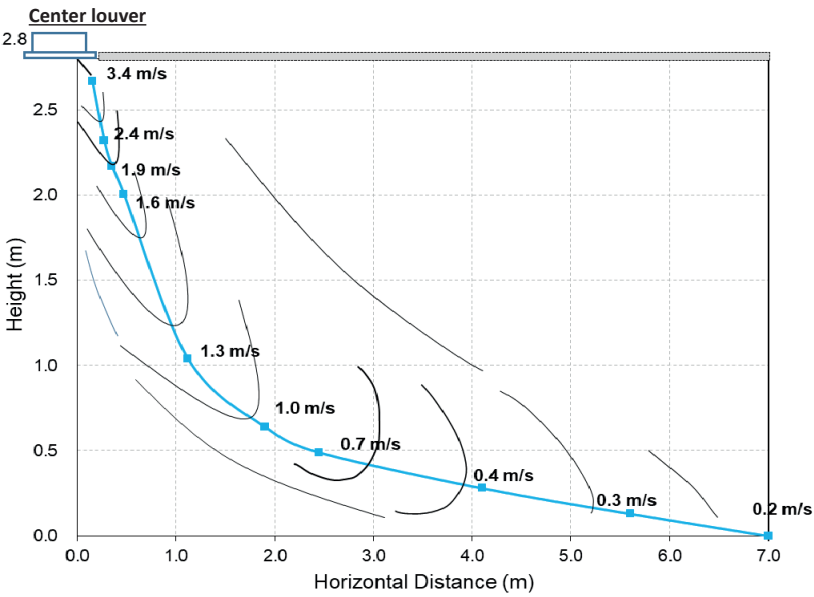
Upper louver



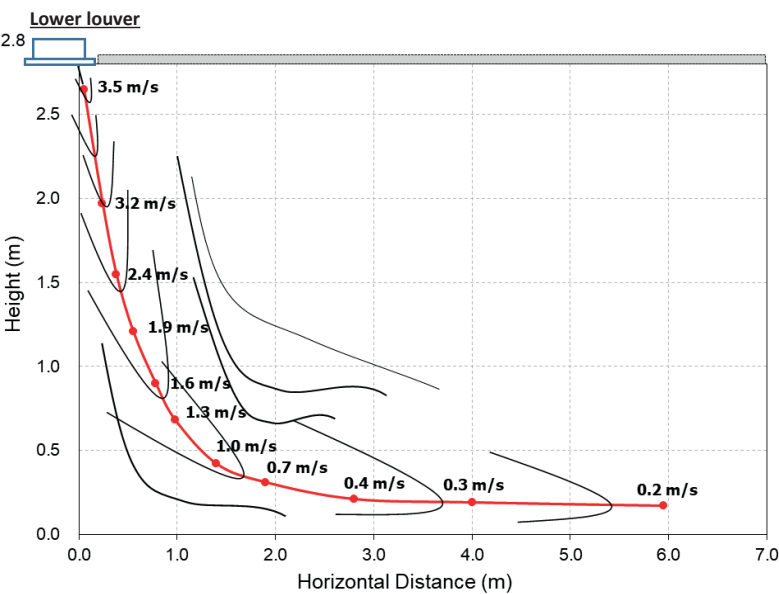
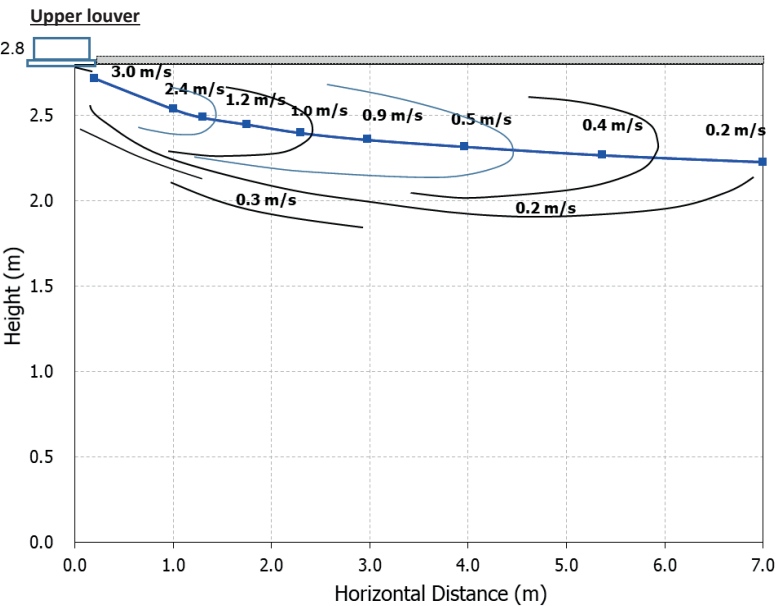
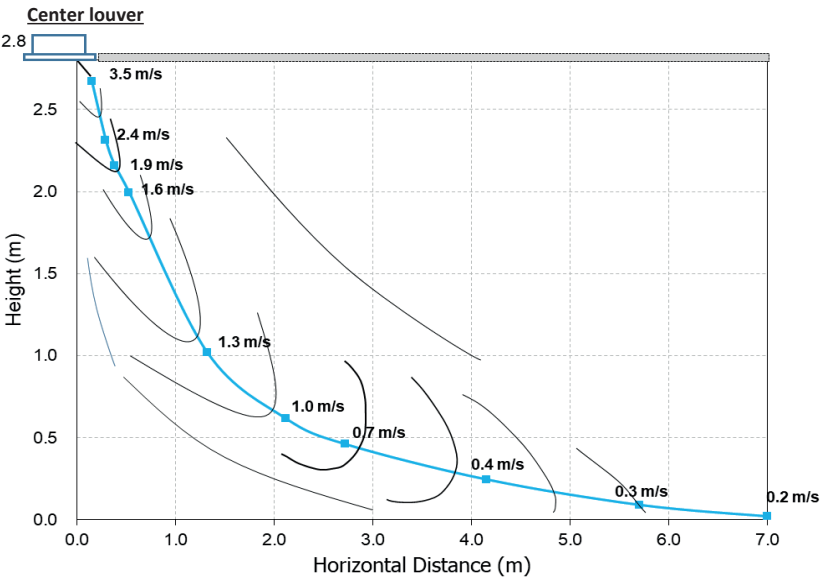
Lower louver



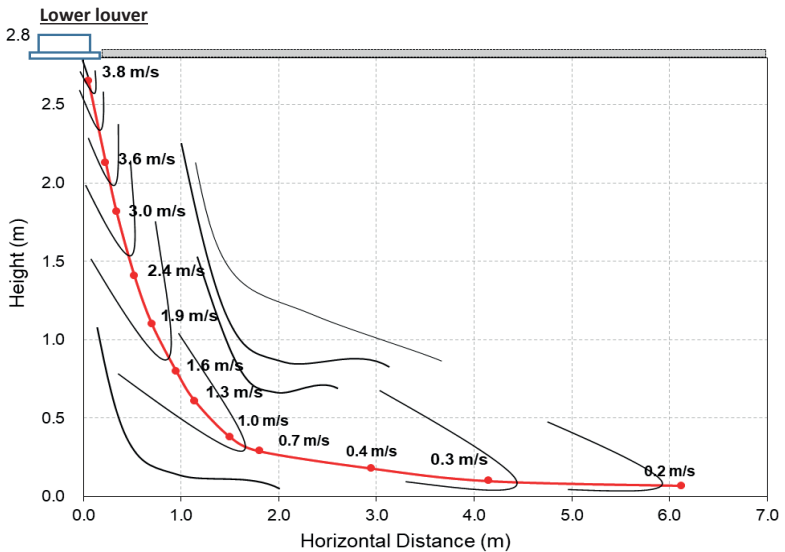
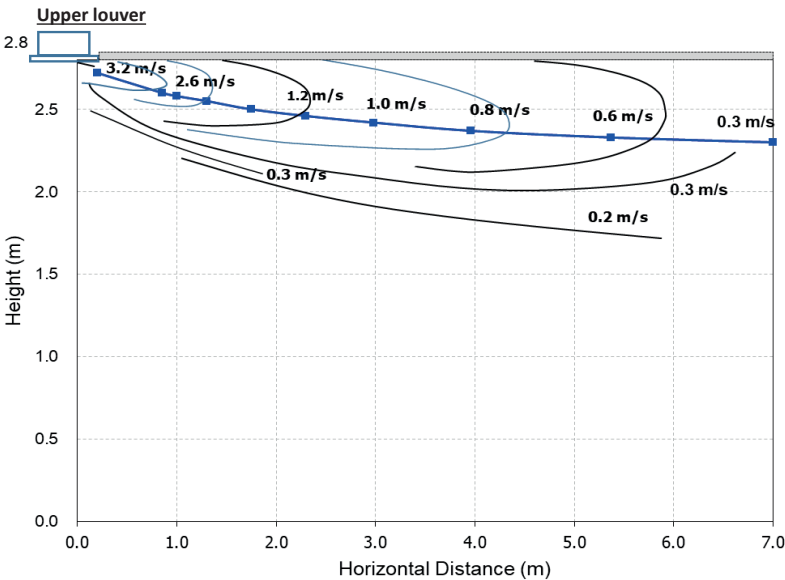
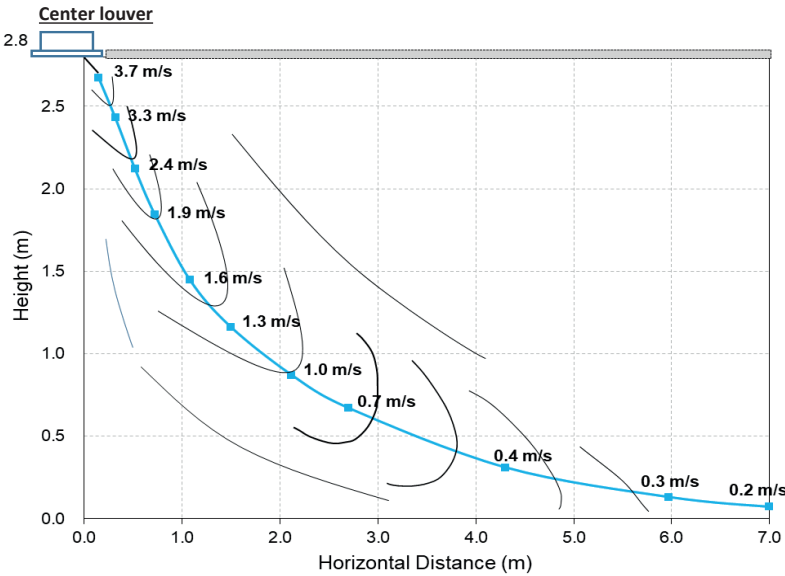
RAS-M16G3YVG-E



RAS-M18G3YVG-E



RAS-M24G3YVG-E

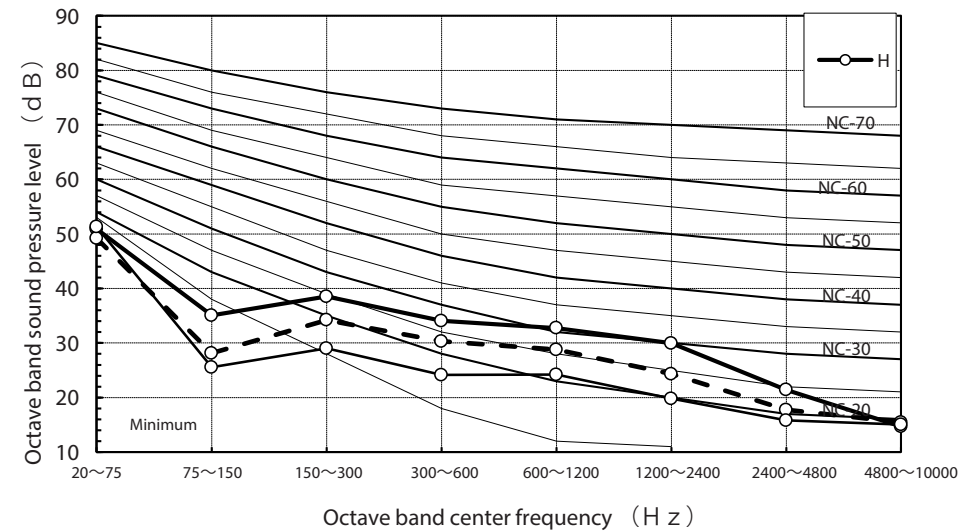
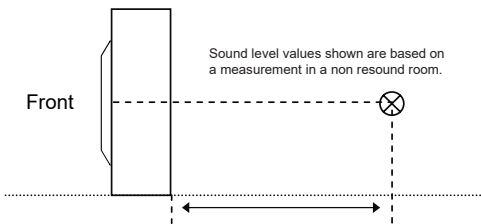


9. Sound data

Model : RAS-M05G3YVG-E

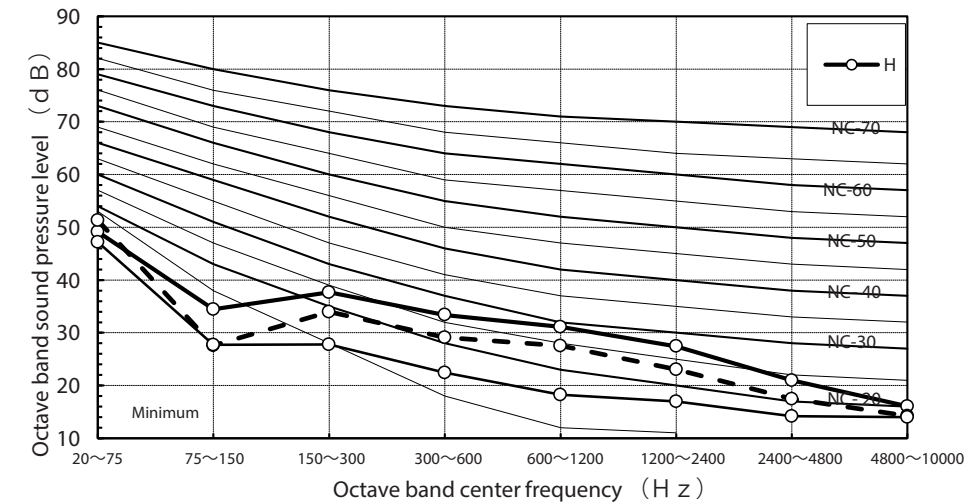
Cooling

| Specification (d B)          |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 37 | 33 | 25 |



Heating

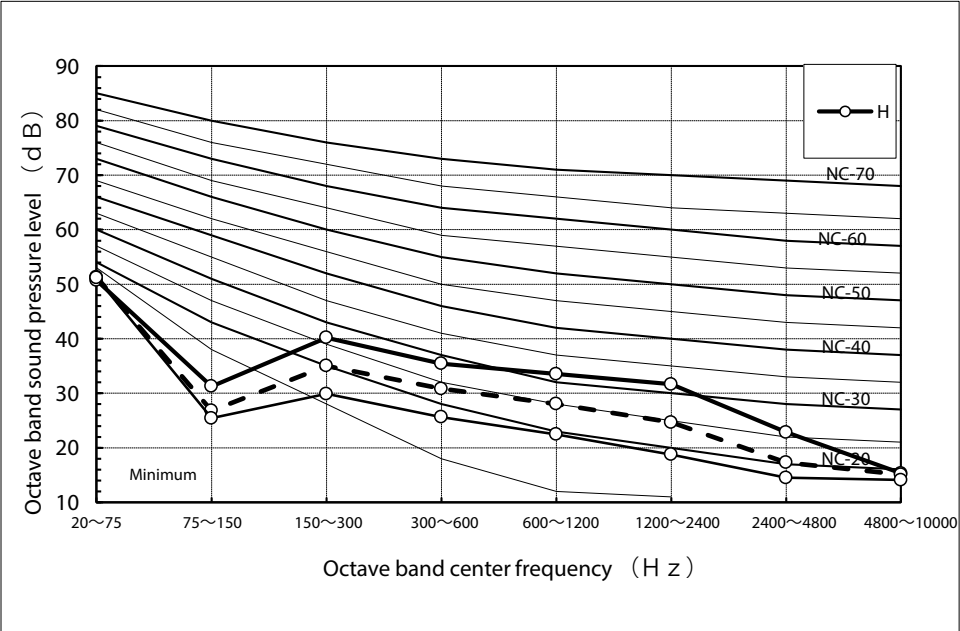
| Specification (d B)          |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 37 | 33 | 25 |



Model : RAS-M07G3YVG-E

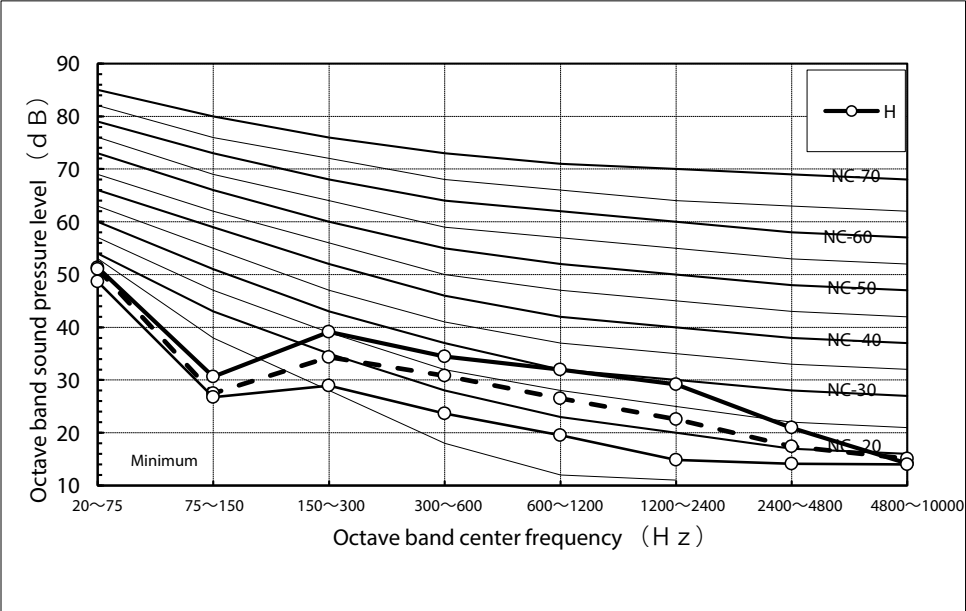
Cooling

| Specification (d B)          |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 38 | 34 | 25 |



Heating

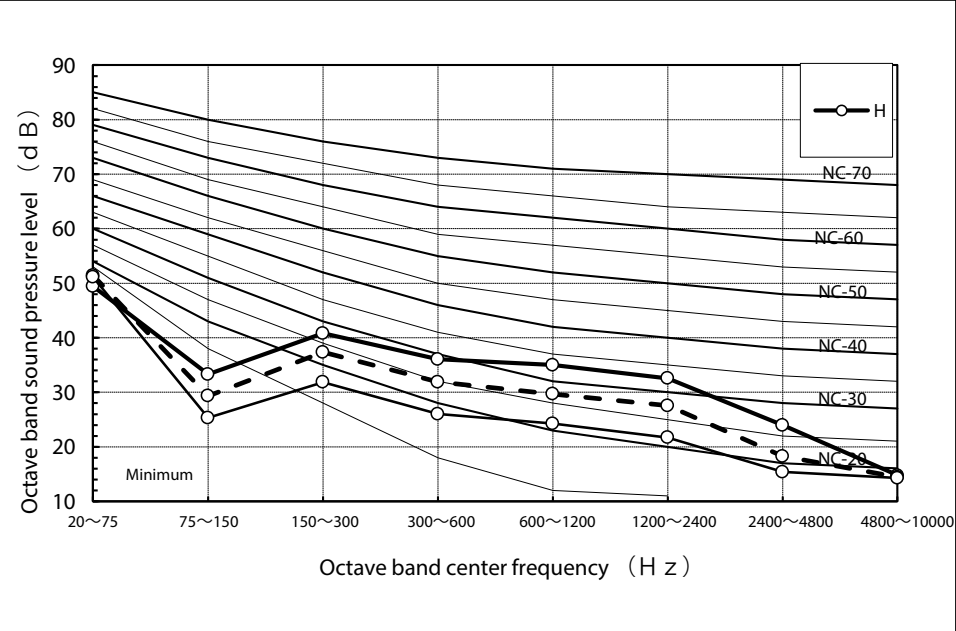
| Specification (d B)          |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 38 | 34 | 25 |



Model : RAS-M10G3YVG-E

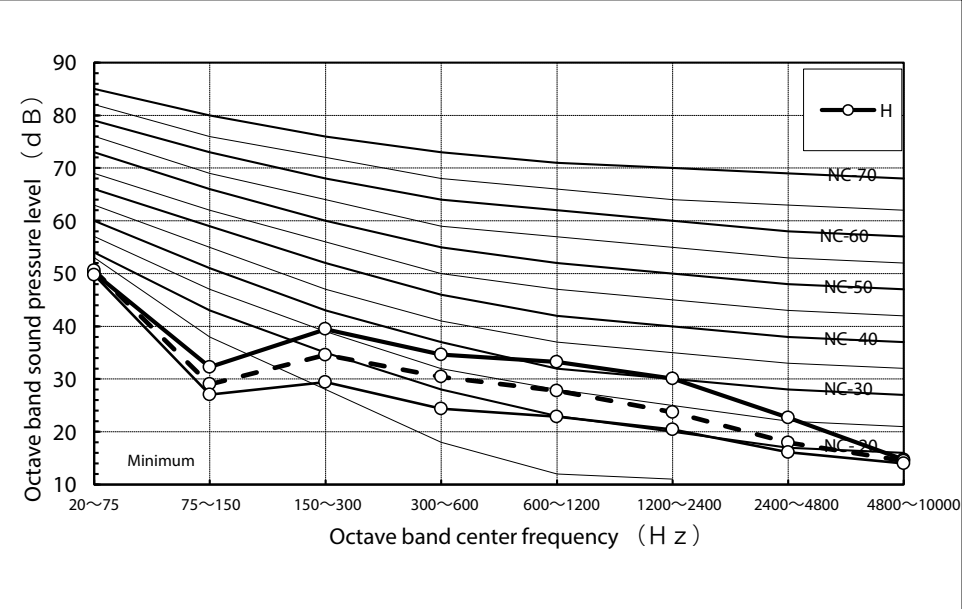
Cooling

| Specification (d B)          |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 39 | 35 | 26 |



Heating

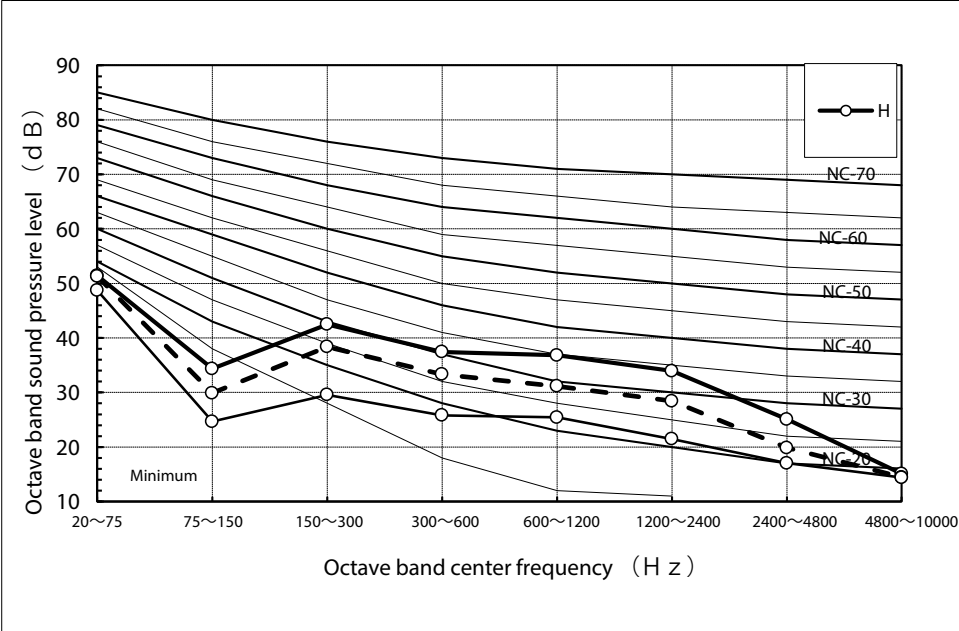
| Specification (d B)          |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 39 | 35 | 26 |



Model : RAS-M13G3YVG-E

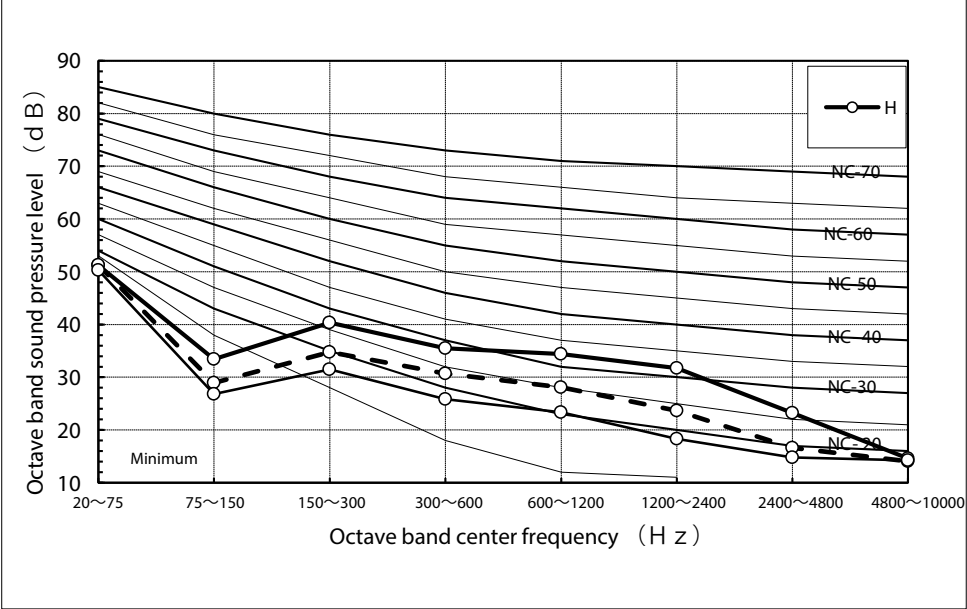
Cooling

| Specification (d B)          |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 40 | 36 | 26 |



Heating

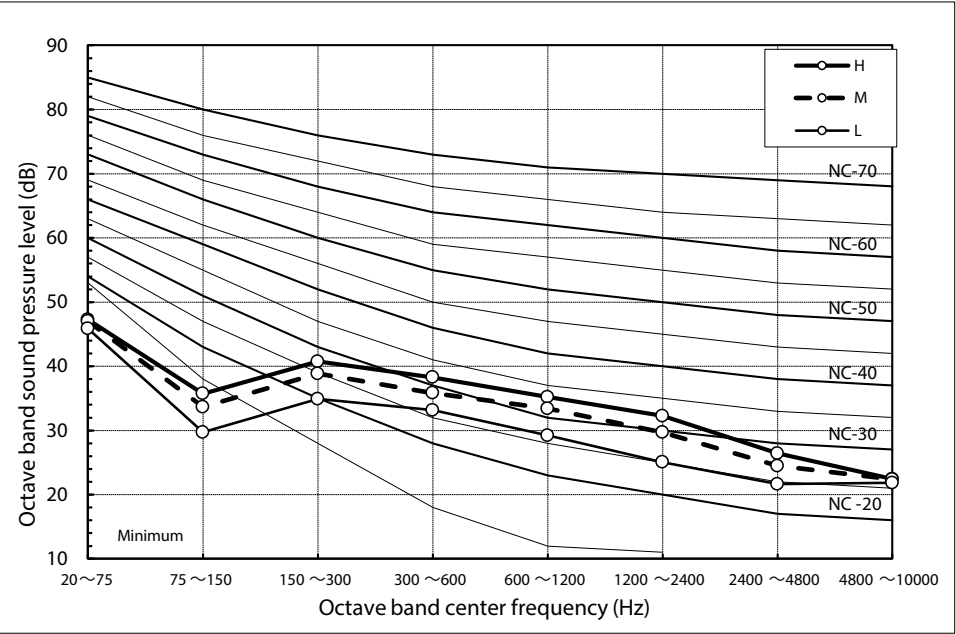
| Specification (d B)          |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 40 | 36 | 26 |



Model : RAS-M16G3YVG-E

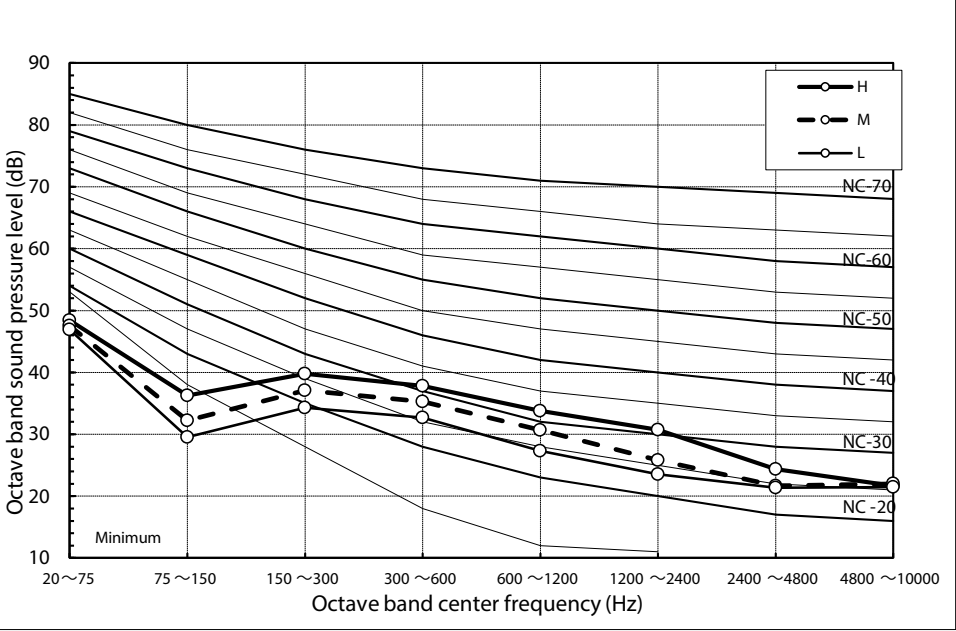
Cooling

| Specification (dB)           |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 39 | 36 | 33 |



Heating

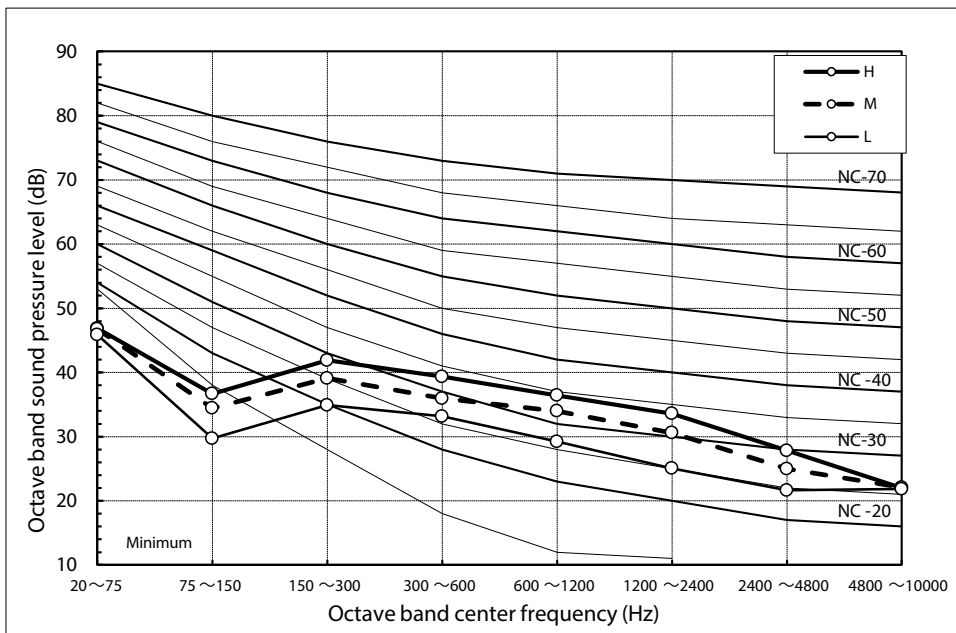
| Specification (dB)           |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 39 | 36 | 33 |



**Model : RAS-M18G3YVG-E**

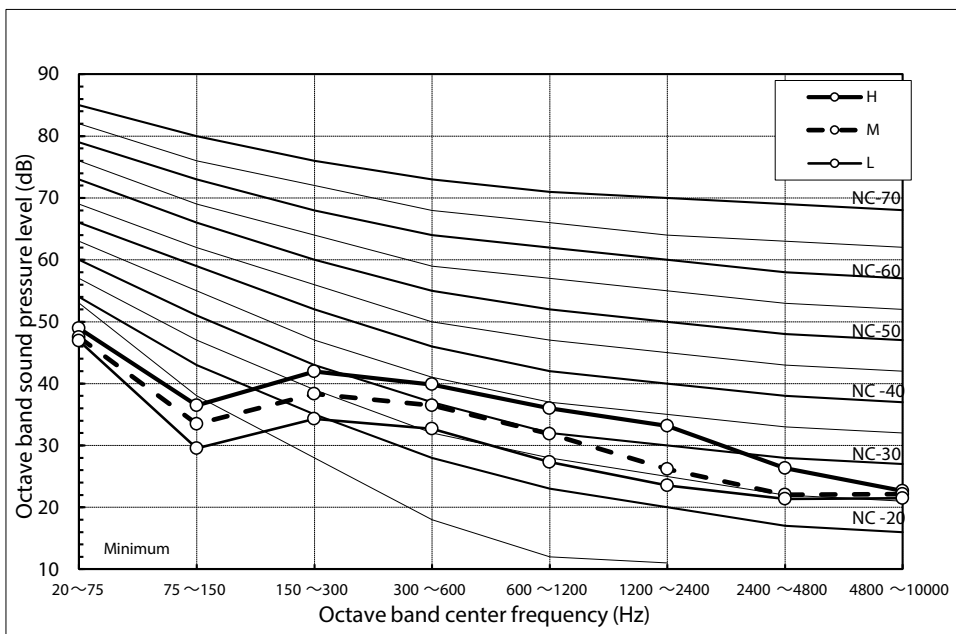
## Cooling

| Specification (dB)           |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 40 | 37 | 33 |



## Heating

| Specification (dB)           |    |    |    |
|------------------------------|----|----|----|
| Fan tap                      | H  | M  | L  |
| Sound pressure level (dB(A)) | 40 | 37 | 33 |

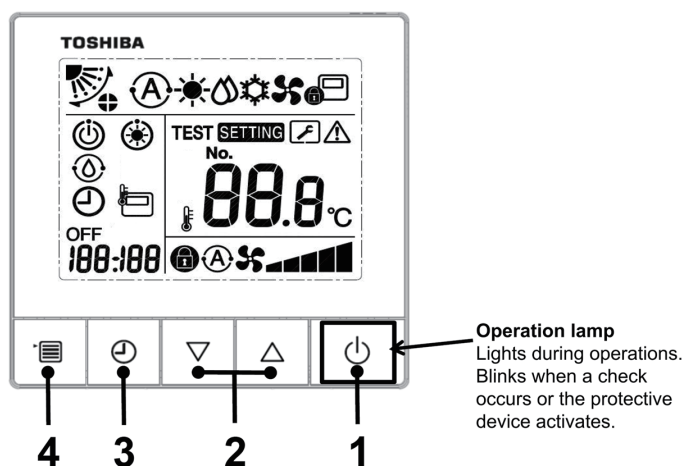


## 11. Accessories

| No. | Items                                          | Model name       |
|-----|------------------------------------------------|------------------|
| 1   | Standard wired remote controller               | RBC-ASCU11-E     |
| 2   | Wired remote controller                        | RBC-AMTU31-E     |
| 3   | Wired remote controller                        | RBC-AMSU51-EN    |
| 4   | Premium wired remote controller with bluetooth | RBC-AWSU52-E     |
| 5   | Premium wired remote without bluetooth         | RBC-AMSU52-E     |
| 6   | Wireless receiver kit for 1 way cassette       | RBC-AX33UYP-E    |
| 7   | Air purifier kit                               | TCB-EAPC1UYHP-E  |
| 8   | Occupancy sensor for 1 way cassette            | TCB-SIR41UYP-E   |
| 9   | Wifi Interface Box                             | BMS-IWF0010UCP-E |

Remark: Group control is not supported for IMS.

## 1. Standard wired remote controller : RBC-ASCU11-E



### 1 ON/OFF button

Press the button to turn on the air conditioner, and press the button again to turn off the air conditioner.

### 2 Setting button

It is used for temperature setting in general conditions. In running mode, fan speed mode and wind direction mode, it is used for the change of respective settings.

### 3 Timer off button

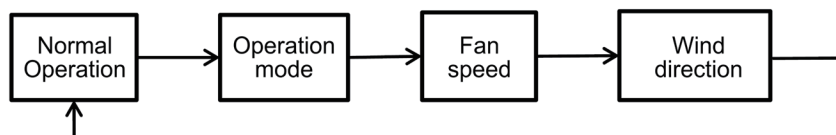
Set the timer off.

### 4 Menu button

It is used for the selection of the running mode, fan speed and wind direction.

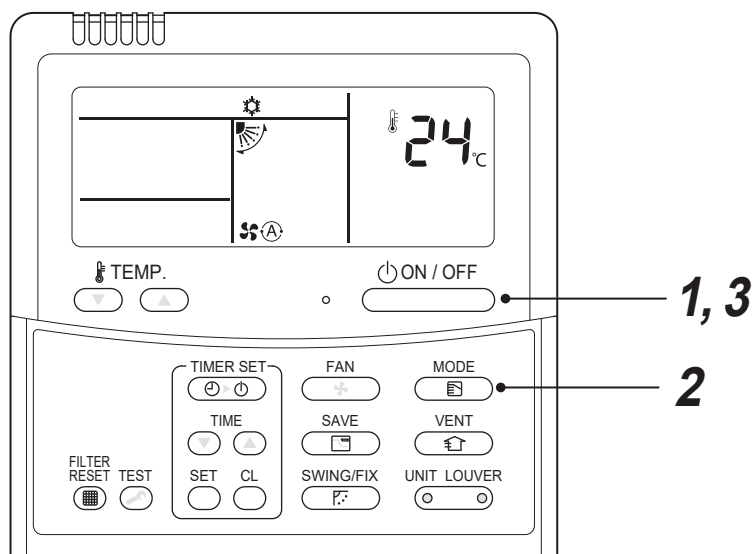
Press of the button each time, then it will switch in the following order.

- In different modes of the indoor unit, the selection of fan speed or wind direction may be omitted.



## 2. Wired remote controller : RBC-AMTU31-E

### ■ Operations

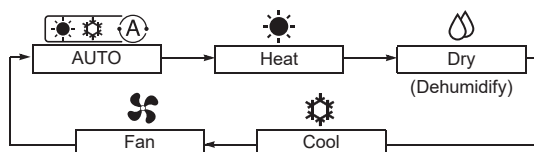


#### 1 Push the button.

The operation lamp lights up.

#### 2 Push the button to select a operation mode.

Each time you push the button, the operation mode and its icon change in the following order:



Depending on the type of unit connected, the operation modes that cannot be set will not be displayed.

#### 3 Push the button to stop running.

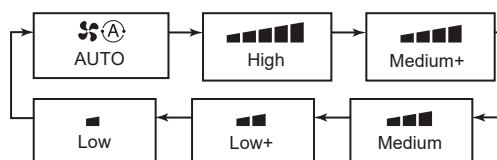
The operation lamp turns off.

### ■ Changing the fan speed

Push the  button to select a fan speed.

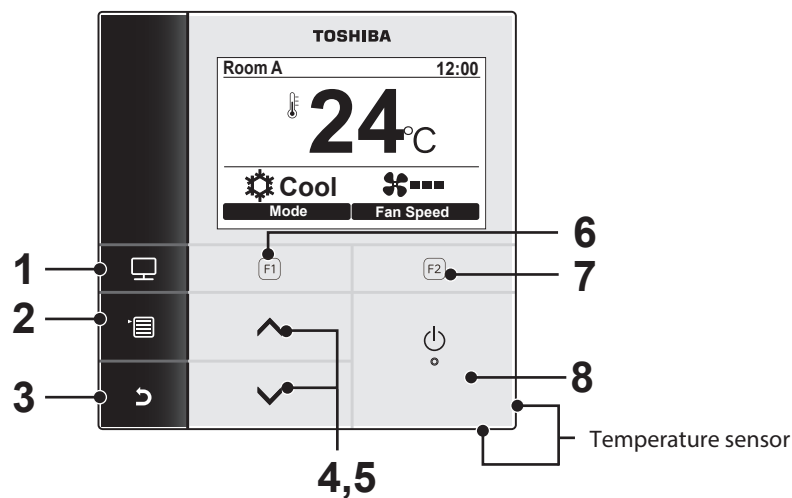
- Each time you push the button, fan speed and its indication change in the following order:  
("  Auto" cannot be selected in the FAN mode.)

\* The available fan speeds vary depending on the indoor unit connected.



- The temperature sensor detects the return air temperature at the indoor unit, which may slightly differ from the actual room temperature depending on installation condition. Set temperature is a target of room temperature.

### 3. Wired remote controller : RBC-AMSU51-EN



#### 1 [ MONITOR ] button

Displays the monitoring screen.

#### 2 [ MENU ] button

Displays the menu screen.

#### 3 [ CANCEL ] button

Functions as indicated on the screen, such as returning to the previous menu screen.

#### 4 [ ] button

During normal operation: adjusts the temperature.  
On the menu screen: selects a menu item.

#### 5 [ ] button

During normal operation: adjusts the temperature.  
On the menu screen: selects a menu item.

#### 6 [ F1 ] button

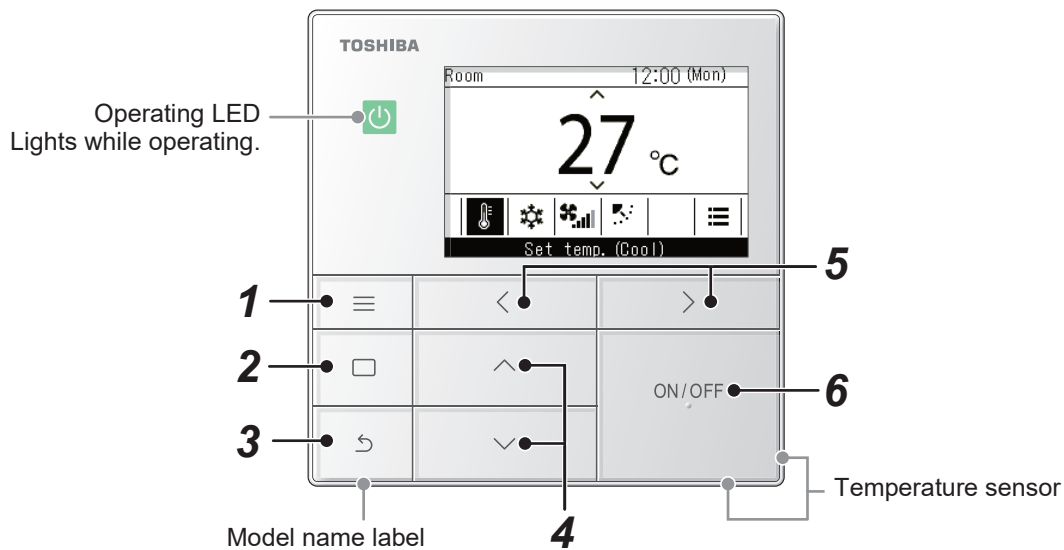
Varies its function according to the setting screen.

#### 7 [ F2 ] button

Varies its function according to the setting screen.

#### 8 [ ON / OFF ] button

#### 4. Premium wired remote controller with/without bluetooth : RBC-AWSU52-E , RBC-AMSU52-E



\* The screens shown here are examples. The content that is displayed may differ, depending on the environment settings being used.

#### 1 [Menu] button

Shows the "Menu".  
(Page 17)

#### 2 [Set/Fix] button

Fixes and applies settings.  
Ways to use it are shown on screen.

#### 3 [Return] button

Deletes selections.  
Ways to use it are shown on screen.

#### 4 [Up] and [Down] buttons

Changes settings and selects items.

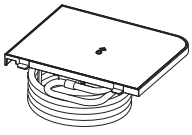
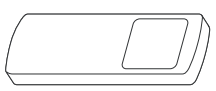
#### 5 [Left] and [Right] buttons

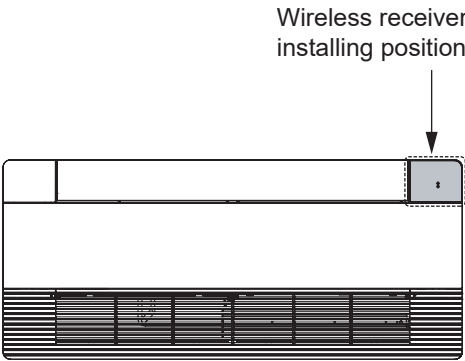
Selects setting items.  
Other ways to use it are shown on screen.

#### 6 [ON/OFF] button

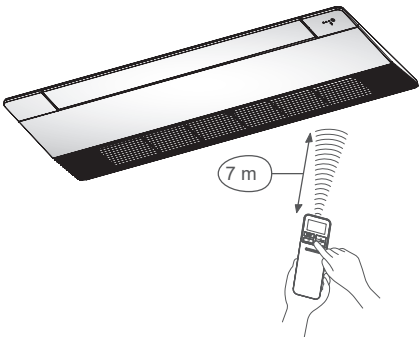
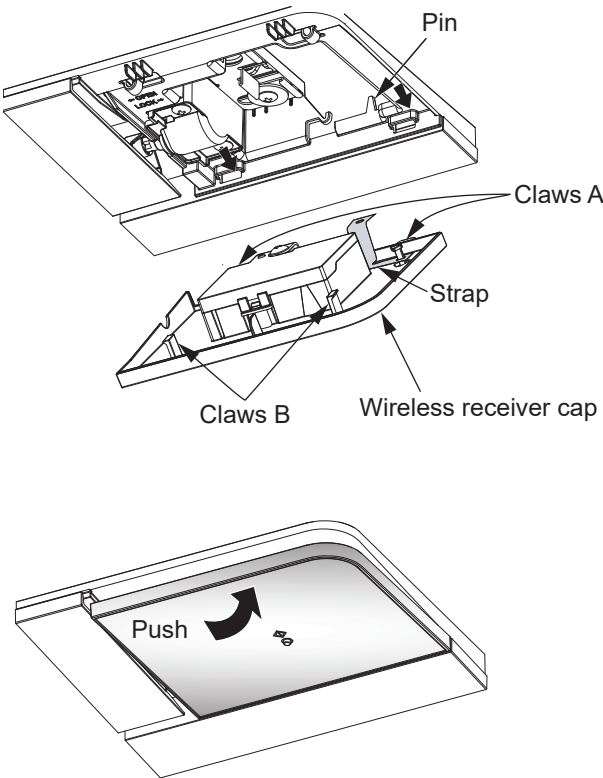
Starts and stops connected devices.

5. Wireless receiver kit : RBC-AX33UYP-E

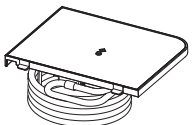
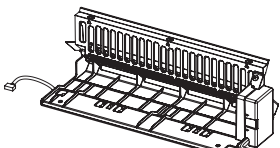
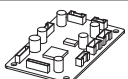
| Part Name                  |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| Wireless receiver          |  |
| Wireless remote controller |  |

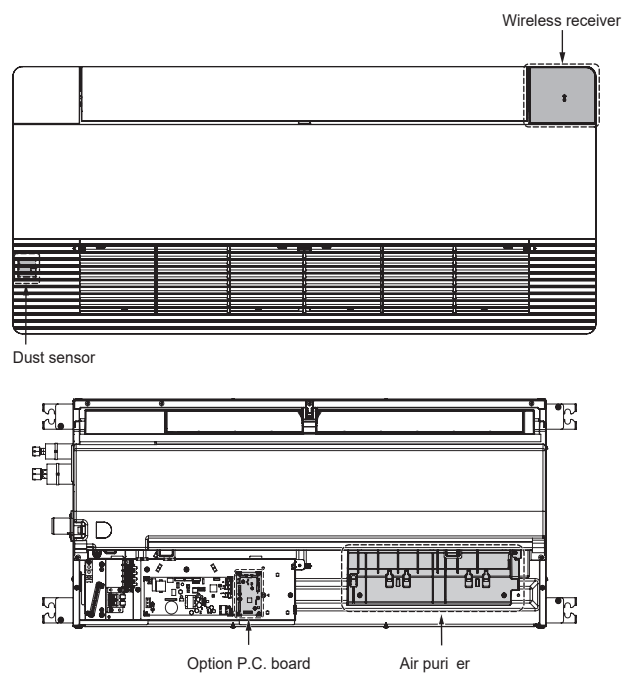


Installation

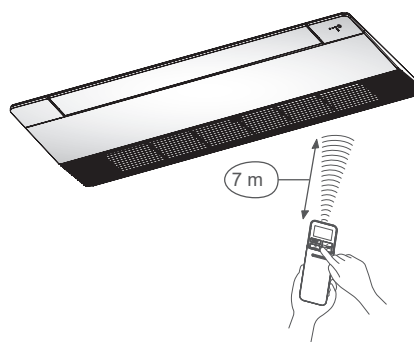
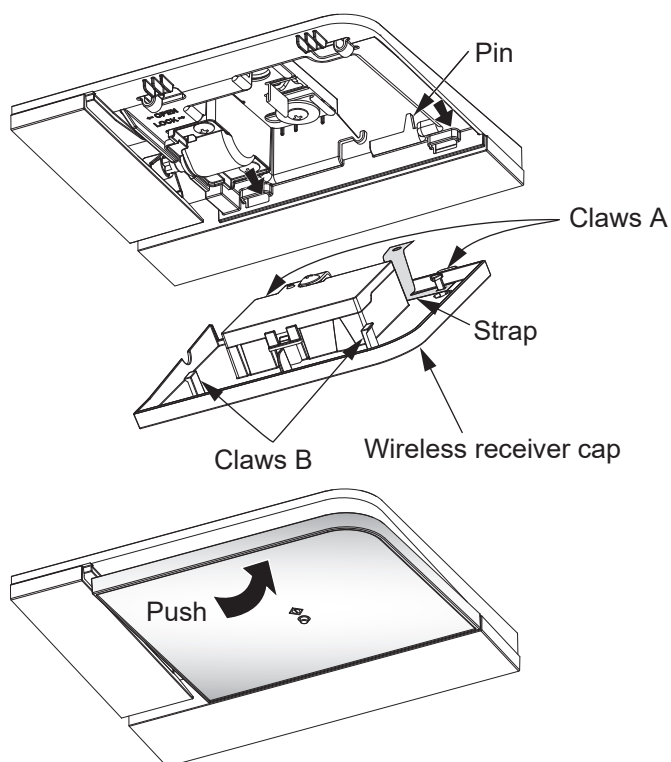


## 6. Air Purifier kit : TCB-EAPC1UYHP-E

| Part Name                  |                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|
| Wireless receiver kit      |  |
| Wireless remote controller |  |
| Remote controller holder   |  |
| Air purifier               |  |
| Option P.C. board          |  |



## Installation



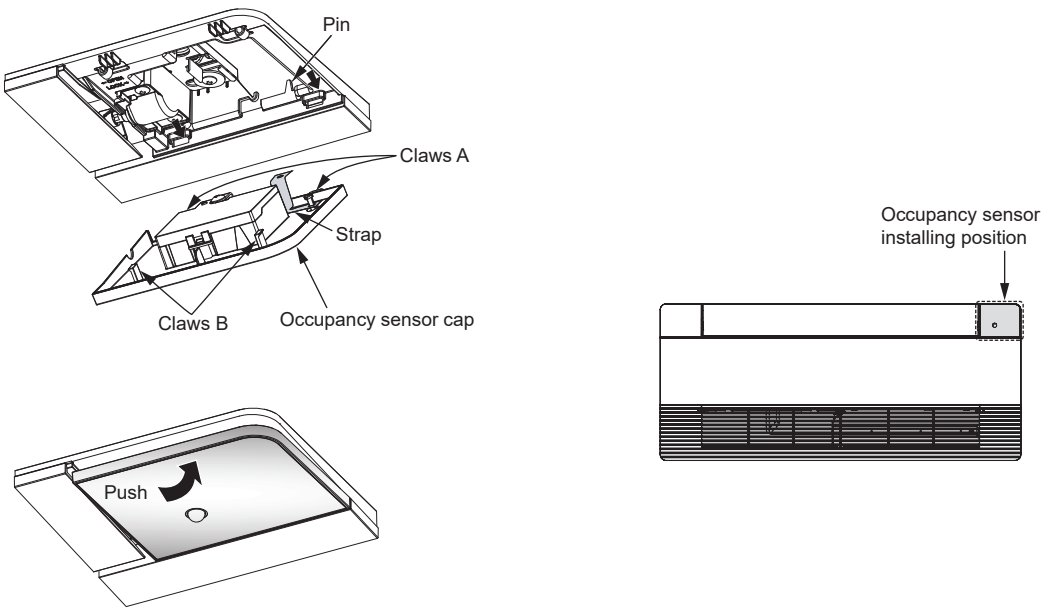
7. Occupancy sensor kit : TCB-SIR41UYP-E

An “Occupancy sensor” can detect whether people are present or not present.  
If people are not present, the air conditioner automatically operates in an energy saving mode.



| Item                       | Function                                                                                                                                                                                                                                                                             |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Occupancy sensor operation | You can decide whether to disable the occupancy sensor or select the time required to determine that people are not present.<br>Factory default setting is 60 minutes for determining time. You can select Disable, 30 minutes, 60 minutes, 90 minutes, 120 minutes, or 150 minutes. |
| Operation during absence   | You can select the operation of the air conditioner when people are not present. Standby: Circulation mode (thermostat OFF)<br>Stopped: Stops the air conditioner                                                                                                                    |

Installation



NOTE

If an occupancy sensor has not been connected, “⊘ No function” is displayed.

## 8. Wifi Interface Box

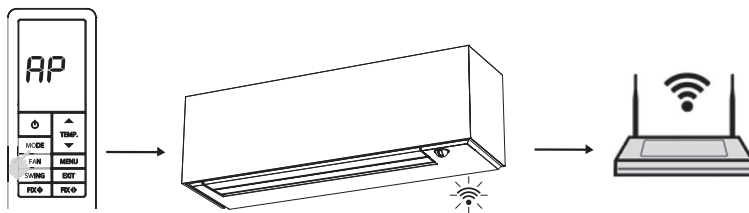
### Toshiba Home AC Control application support



iOS : 9.0 or later.



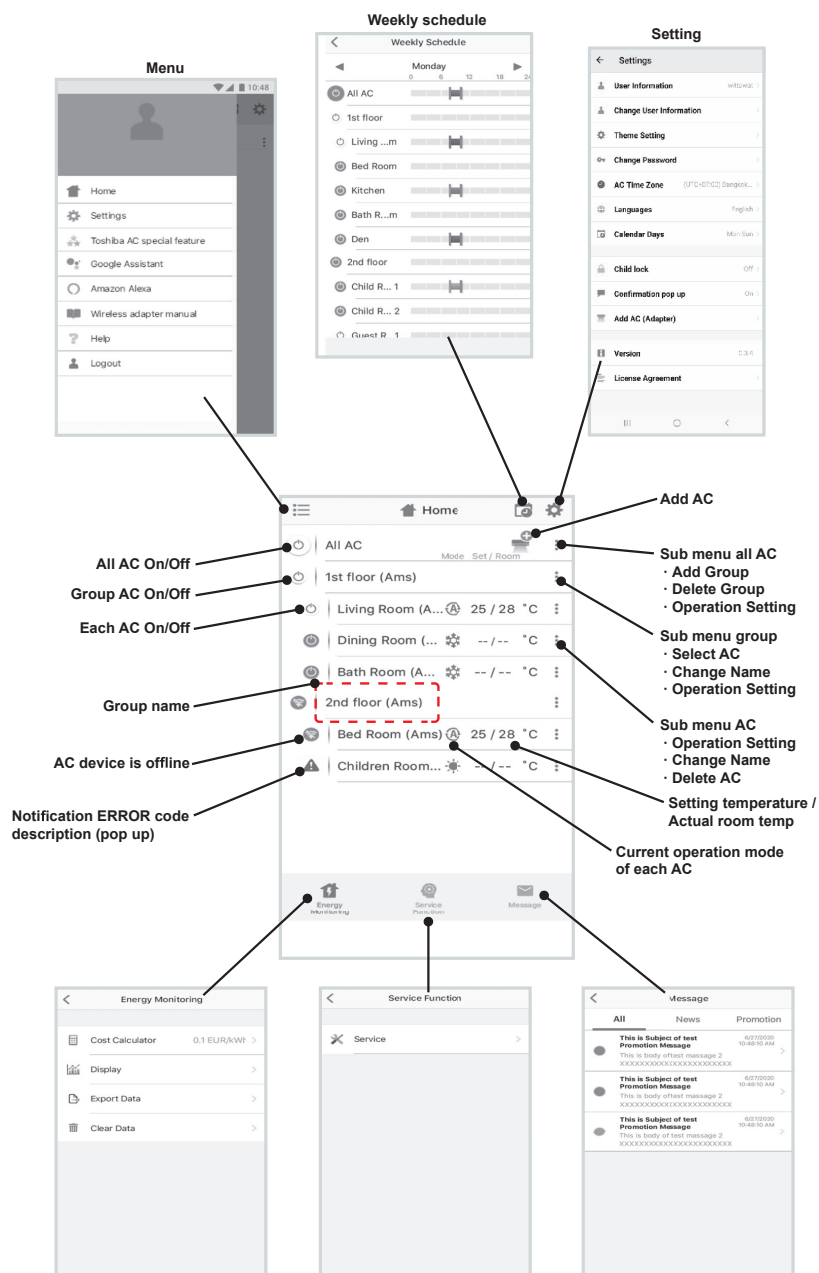
Android : Version 5.0 or later.



Active Wireless adapter by Remote controller.

### Toshiba Home AC Control application

#### Home screen



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