

# HM\_CTP CEILING



The simple, yet elegant design helps to create a pleasant and relaxing environment, quickly conditioning the room air to the desired temperature.

## Comfort

- Automatic louvre control for all year round comfort and efficiency.
- Low noise levels, thanks to high diameter fan and DC motor.

## Reliability

- Self-cleaning function, enables the air flow to remain constant and fresh and reduces the frequency of service visits.

## Easy to install and to maintain

- This design, represents the best possible solution, where there is a lack of space or absence of a ceiling void.

## Adaptability

- Anti-bacterial drain point available as an option.
- Connecting kit available as an option for external I/O without local relay preparation.



SCOP MAX



5.05

CAPACITY



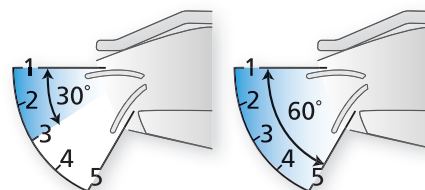
3.6kW > 16kW

OPERATION



-27°C > +52°C

The airflow angle is automatically set to the most suitable setting according to the cooling or heating needs.



**INDOOR UNITS**

RAV-HM401CTP-E  
RAV-HM561CTP-E/TR  
RAV-HM801CTP-E/TR  
RAV-HM901CTP-E  
RAV-HM1101CTP-E/TR  
RAV-HM1401CTP-E/TR  
RAV-HM1601CTP-E/HR

**SDI**



**OUTDOOR UNITS**

RAV-GP516ATW-E/TR  
RAV-GP801ATW-E/TR  
RAV-GP1101AT(8)-E/TR  
RAV-GP1401AT(8)-E(1)/TR(1)  
RAV-GP1601AT8-E/TR

**DI**



RAV-GM401ATP-E  
RAV-GM561ATP-E/TR  
RAV-GM801ATP-E/TR  
RAV-GM901ATP-E  
RAV-GM1101AT(8)P-E/TR  
RAV-GM1401AT(8)P-E/TR  
RAV-GM1601AT(8)P-E/TR



**REMOTE CONTROLS**

RBC-AXU31C-E  
RBC-AXU31-E



RBC-AMSU51E-ES(EN)  
RBC-AMTU31-E  
RBC-ASCU11-E

## CEILING

## CEILING Performance data with Super Digital Inverter Series 1 1Ph

PRELIMINARY

| Outdoor unit                      | RAV-  |   | GP561ATW-E         | GP801ATW-E         | GP1101AT-E         | GP1401AT-E1        |
|-----------------------------------|-------|---|--------------------|--------------------|--------------------|--------------------|
| Indoor unit (Ceiling)             | RAV-  |   | HM561CTP-E         | HM801CTP-E         | HM1101CTP-E        | HM1401CTP-E        |
| Cooling capacity                  | kW    |   | 5.0                | 7.1                | 10.0               | 12.5               |
| Cooling range (min. - max.)       | kW    |   | 1.2-5.6            | 1.9 - 8.0          | 3.1 - 12.0         | 3.1 - 14.0         |
| Power input                       | kW    | C | 0.19 - 1.37 - 1.98 | 0.26 - 1.60 - 3.17 | 0.55 - 2.23 - 3.45 | 0.55 - 3.58 - 3.97 |
| EER                               |       |   | 3.65               | 4.44               | 4.48               | 3.49               |
| SEER                              |       |   | 6.93               | 8.35               | 8.58               | 7.99               |
| Energy efficiency class           |       | C | A++                | A++                | A+++               | -                  |
| Seasonal electricity consumption  | kWh/a | C | 253                | 298                | 408                | 939                |
| Heating capacity                  | kW    |   | 5.6                | 8.0                | 11.2               | 14.0               |
| Heating range (min. - max.)       | kW    |   | 0.9-7.4            | 1.3 - 11.3         | 2.6 - 13.0         | 2.6 - 16.5         |
| Power input (min. - rated - max.) | kW    | H | 0.16 - 1.39 - 2.67 | 0.20 - 1.80 - 3.50 | 0.41 - 2.38 - 3.09 | 0.41 - 3.59 - 4.40 |
| COP                               | W/W   |   | 4.03               | 4.44               | 4.71               | 3.90               |
| SCOP                              |       |   | 4.73               | 5.10               | 4.75               | 4.74               |
| Energy efficiency class           |       | H | A++                | A++                | A++                | -                  |
| Seasonal electricity consumption  | kWh/a | H | 1125               | 1401               | 2712               | 2838               |

## CEILING Performance data with Super Digital Inverter Series 1 3Ph

| Outdoor unit                      | RAV-  |   | GP1101AT8-E        | GP1401AT8-E        | GP1601AT8-E        |
|-----------------------------------|-------|---|--------------------|--------------------|--------------------|
| Indoor unit (Ceiling)             | RAV-  |   | HM1101CTP-E        | HM1401CTP-E        | HM1601CTP-E        |
| Cooling capacity                  | kW    |   | 10.0               | 12.5               | 14.0               |
| Cooling range (min. - max.)       | kW    |   | 2.6 -12.0          | 2.6 - 14.0         | 2.6 - 16.0         |
| Power input                       | kW    | C | 0.66 - 2.56 - 3.81 | 0.66 - 3.68 - 4.85 | 0.66 - 4.60 - 6.33 |
| EER                               |       |   | 3.91               | 3.40               | 3.04               |
| SEER                              |       |   | 6.80               | 6.60               | 6.24               |
| Energy efficiency class           |       | C | A++                | -                  | -                  |
| Seasonal electricity consumption  | kWh/a | C | 515                | 1137               | 1347               |
| Heating capacity                  | kW    |   | 11.2               | 14.0               | 16.0               |
| Heating range (min. - max.)       | kW    |   | 2.4 - 14.0         | 2.4 - 18.0         | 2.4 - 19.0         |
| Power input (min. - rated - max.) | kW    | H | 0.53 - 2.51 - 4.26 | 0.53 - 3.48 - 5.95 | 0.53 - 4.30 - 6.96 |
| COP                               | W/W   |   | 4.46               | 4.02               | 3.72               |
| SCOP                              |       |   | 4.23               | 4.22               | 4.21               |
| Energy efficiency class           |       | H | A+                 | -                  | -                  |
| Seasonal electricity consumption  | kWh/a | H | 3842               | 3916               | 3988               |

## CEILING Performance data with Digital Inverter Series 1 1Ph &amp; 3Ph

| Outdoor unit                      | RAV-  |   | GM401ATP-E         | GM561ATP-E         | GM801ATP-E         | GM901ATP-E | GM1101ATP-E        | GM1401AT8P-E       | GM1601ATP-E |
|-----------------------------------|-------|---|--------------------|--------------------|--------------------|------------|--------------------|--------------------|-------------|
| Indoor unit (Ceiling)             | RAV-  |   | HM401CTP-E         | HM561CTP-E         | HM801CTP-E         | GM901CTP-E | HM1101CTP-E        | HM1401CTP-E        | HM1601CTP-E |
| Cooling capacity                  | kW    |   | 3.6                | 5.0                | 6.9                | 8.0        | 9.5                | 12.1               | 14.0        |
| Cooling range (min. - max.)       | kW    |   | 0.9 - 4.0          | 1.5 - 5.6          | 1.5 - 7.4          | 1.9 - 8.8  | 3.0 - 11.2         | 3.0 - 13.2         | 3.0 - 16.0  |
| Power input                       | kW    | C | 0.18 - 0.83 - 2.00 | 0.29 - 1.61 - 1.95 | 0.29 - 2.38 - 2.76 | 2.58       | 0.60 - 2.95 - 4.10 | 0.60 - 4.42 - 4.71 | 4.65        |
| EER                               |       |   | 4.34               | 3.11               | 2.90               | 3.10       | 3.22               | 2.74               | 3.01        |
| SEER                              |       |   | 6.34               | 5.50               | 5.62               | 6.10       | 5.86               | 5.36               | 5.9         |
| Energy efficiency class           |       | C | A++                | A                  | A+                 | A++        | A+                 | -                  | -           |
| Seasonal electricity consumption  | kWh/a | C | 199                | 318                | 429                | 459        | 567                | -                  | 1423        |
| Heating capacity                  | kW    |   | 4.0                | 5.3                | 7.7                | 9.0        | 11.2               | 13.0               | 16.0        |
| Heating range (min. - max.)       | kW    |   | 0.8 - 5.0          | 1.5 - 6.3          | 1.5 - 9.0          | 1.6 - 9.9  | 3.0 - 13.0         | 3.0 - 16.0         | 3.0 - 18.0  |
| Power input (min. - rated - max.) | kW    | H | 0.14 - 0.78 - 1.70 | 0.29 - 1.36 - 2.40 | 0.29 - 2.13 - 3.20 | 2.65       | 0.60 - 2.94 - 4.10 | 0.60 - 3.48 - 4.60 | 4.69        |
| COP                               |       |   | 5.13               | 3.90               | 3.62               | 3.40       | 3.81               | 3.73               | 3.9         |
| SCOP                              |       |   | 5.1                | 4.32               | 4.21               | 4.60       | 4.27               | 4.19               | 4.35        |
| Energy efficiency class           |       | H | A+++               | A+                 | A+                 | A++        | A+                 | -                  | -           |
| Seasonal electricity consumption  | kWh/a | H | 741                | 908                | 1697               | 1917       | 2490               | -                  | 2732        |

## CEILING Physical data indoor

| Indoor unit                  | RAV-       |  | HM401CTP-E        | HM561CTP-E        | HM801CTP-E         | GM901CTP-E         | HM1101CTP-E         | HM1401CTP-E         | HM1601CTP-E         |
|------------------------------|------------|--|-------------------|-------------------|--------------------|--------------------|---------------------|---------------------|---------------------|
| Air flow (H/L)               | m³/h - l/s |  | 900/540 - 250/150 | 900/540 - 250/150 | 1410/750 - 392/208 | 1600/900 - 444/250 | 1860/1020 - 517/283 | 2040/1200 - 567/333 | 2040/1260 - 567/350 |
| Sound pressure level (H-M-L) | dB(A)      |  | 37-35-28          | 37-35-28          | 41-36-29           | 42-38-30           | 44-38-32            | 46-41-35            | 46-42-36            |
| Sound power level (H)        | dB(A)      |  | 52-50-43          | 52-50-43          | 56-51-44           | 57-53-45           | 59-53-47            | 61-56-50            | 61-57-51            |
| Dimensions (HxWxD)           | mm         |  | 235 x 950 x 690   | 235 x 950 x 690   | 235 x 1270 x 690   | 235 x 1586 x 690   | 235 x 1586 x 690    | 235 x 1586 x 690    | 235 x 1586 x 690    |
| Weight                       | kg         |  | 23                | 23                | 29                 | 37                 | 37                  | 37                  | 37                  |

C = cooling mode  
H = heating mode  
H-M-L = High - Medium - Low speed