

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



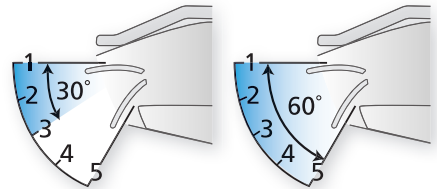
3.6kW > 16kW

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/TR
- RAV-HM1101CTP-E/TR
- RAV-HM1401CTP-E/TR
- RAV-HM1601CTP-E/TR

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

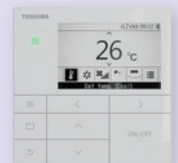


- RAV-GM402ATP-E
- RAV-GM562ATP-E/TR
- RAV-GM802ATW-E/TR
- RAV-GM902ATW-E/TR
- RAV-GM1102AT(8)W-E/TR
- RAV-GM1402AT(8)W-E/TR
- RAV-GM1602AT(8)W-E/TR



REMOTE CONTROLS

- RBC-AXU31C-E
- RBC-AXU31-E



- RBC-AWSU52-E
- RBC-AMSU52-E
- RBC-AMTU31-E
- RBC-ASCU11-E

CEILING

CEILING Performance data with Super Digital Inverter Series 1 1Ph

| Outdoor unit Indoor unit (Ceiling) | RAV- RAV- | GP561ATW-E HM561CTP-E | GP801ATW-E HM801CTP-E | GP1101AT-E HM1101CTP-E | GP1401AT-E1 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 Indoor unit (Ceiling) | RAV- RAV- | GP1101AT8-E HM1101CTP-E | GP1401AT8-E HM1401CTP-E | GP1601AT8-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 2 1Ph & 3Ph

PRELIMINARY DATA

| Outdoor unit Indoor unit (Ceiling) | RAV- RAV- | GM402ATP-E HM401CTP-E | GM562ATP-E HM561CTP-E | GM802ATW-E HM801CTP-E | GM902ATW-E HM901CTP-E | GM1102ATW-E HM1101CTP-E | GM1102AT8W-E HM1101CTP-E | GM1402ATW-E HM1401CTP-E | GM1402AT8W-E HM1401CTP-E | GM1602ATW-E HM1601CTP-E | GM1602AT8W-E HM1601CTP-E |
|---------------------------------------|--------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
| Cooling capacity | kW | 3.6 | 5.0 | 6.9 | 8.0 | 9.5 | 9.5 | 12.1 | 12.1 | 14.0 | 14.0 |
| Cooling range (min. - max.) | kW | 0.9 - 4.0 | 1.5 - 5.6 | 1.9 - 8.0 | 1.9 - 8.8 | 3.0 - 11.2 | 3.0 - 11.2 | 3.0 - 13.2 | 3.0 - 13.2 | 3.0 - 15.0 | 3.0 - 15.0 |
| Power input | kW C | 0.18 - 0.83 - 2.00 | 0.29 - 1.61 - 1.95 | 0.30 - 2.06 - 2.66 | 0.30 - 2.38 - 2.75 | 0.58 - 2.59 - 3.29 | 0.62 - 2.55 - 3.25 | 0.58 - 4.01 - 4.39 | 0.62 - 3.94 - 4.35 | 0.58 - 5.04 - 6.12 | 0.62 - 4.94 - 6.02 |
| EER | W/W | 4.34 | 3.11 | 3.35 | 3.36 | 3.67 | 3.72 | 3.02 | 3.07 | 2.78 | 2.83 |
| SEER | | 7.2 | 6.00 | 7.03 | 7.03 | 7.00 | 6.46 | 6.16 | 5.87 | 6.25 | 6.12 |
| Energy efficiency class | C | A++ | A+ | A++ | A++ | A++ | A++ | - | - | - | - |
| Seasonal electricity consumption | kWh/a C | 175 | 291 | 343 | 398 | 475 | 514 | 1178 | 1236 | 1344 | 1372 |
| Heating capacity | kW | 4.0 | 5.3 | 7.7 | 8.6 | 11.2 | 11.2 | 13.0 | 13.0 | 16.0 | 16.0 |
| Heating range (min. - max.) | kW | 0.8 - 5.0 | 1.5 - 6.3 | 1.6 - 9.0 | 1.6 - 9.9 | 3.0 - 13.0 | 3.0 - 13.0 | 3.0 - 16.0 | 3.0 - 16.0 | 3.0 - 17.0 | 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 - 1.99 - 2.57 | 0.29 - 2.15 - 2.62 | 0.66 - 2.86 - 3.49 | 0.70 - 2.83 - 3.45 | 0.66 - 3.48 - 4.61 | 0.70 - 3.43 - 4.57 | 0.66 - 4.75 - 5.78 | 0.70 - 4.68 - 7.09 |
| COP | W/W | 5.13 | 3.90 | 3.87 | 4.00 | 3.91 | 3.95 | 3.74 | 3.79 | 3.37 | 3.41 |
| SCOP | | 5.13 | 4.34 | 4.48 | 4.60 | 4.30 | 4.29 | 4.28 | 4.20 | 4.30 | 4.22 |
| Energy efficiency class | H | A+++ | A+ | A+ | A++ | A+ | A+ | - | - | - | - |
| Seasonal electricity consumption | kWh/a H | 736 | 904 | 1593 | 1916 | 2603 | 2609 | 2615 | 2665 | 2603 | 2652 |

CEILING Physical data indoor

| Indoor unit | RAV- RAV- | HM401CTP-E | HM561CTP-E | HM801CTP-E | HM901CTP-E | HM1101CTP-E | HM1401CTP-E | HM1601CTP-E |
|------------------------------|-------------------------|-------------------|-------------------|--------------------|--------------------|---------------------|---------------------|---------------------|
| Air flow (H/L) | m ³ /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 | 2040/1200 - 567/333 |
| 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