

Residential Inverter Heat Pump R32

DAISEIKAI 10

Indoor Units

RAS-B25S4KVPD-ND

RAS-B25S4KVDG-ND

RAS-B35S4KVPD-ND

RAS-B35S4KVDG-ND

Outdoor Units




RAS-25S4AVPD-ND

RAS-35S4AVPD-ND





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1. Line up

| Indoor Unit | Outdoor Unit | Model Name | | Capacity Rank |
|---|---|------------------|-----------------|---------------|
| | | FCU | CDU | |
|  White FCU |  CDU Chassis 630H | RAS-B25S4KVPD-ND | RAS-25N4AVPG-ND | 10k |
| | | RAS-B35S4KVPD-ND | RAS-35N4AVPG-ND | 13k |
| RAS-B25S4KVDG-ND | | RAS-25N4AVPG-ND | 10k | |
| RAS-B35S4KVDG-ND | | RAS-35N4AVPG-ND | 13k | |
|  Wooden FCU | | | | |

Accessories

| Appearance | Model Name |
|---|--|
|  | Standard Remote Control WH-UD02UE (Packed with White FCU) |
|  | Standard Remote Control WH-UD01UE (Packed with Wooden FCU) |
|  | Option RC RB-RXS33-E |
|  | Built-in Wireless adapter Application Toshiba Home AC Control |

2. Specifications

| Model | Indoor unit | | RAS- | B25S4KVPD-ND | B35S4KVPD-ND | | |
|----------------------------------|---|---|-----------------|---------------------|-------------------|-------------------|-------------------|
| | Outdoor unit | | RAS- | B25S4KVDG-ND | B35S4KVDG-ND | | |
| | | | RAS- | 25S4AVPG-ND | 35S4AVPG-ND | | |
| Cooling capacity | | | (kW) | 2.50 | 3.50 | | |
| Cooling capacity range | | | (kW) | 0.60 - 4.50 | 0.72 - 5.50 | | |
| PdesignC | | | (kW) | 2.50 | 3.50 | | |
| EER | | | | 5.68 | 4.73 | | |
| SEER | | | | 10.50 | 9.50 | | |
| Heating capacity | | | (kW) | 3.20 | 4.00 | | |
| Heating capacity range | | | (kW) | 0.56 - 6.70 | 0.72 - 7.70 | | |
| PdesignH (average) | | | (kW) | 3.00 | 3.80 | | |
| COP | | | | 5.42 | 5.06 | | |
| SCOP (average) | | | | 5.50 | 5.40 | | |
| Power supply | | | | 1 ph 50 Hz 220-240V | | | |
| Electrical characteristic | Indoor unit | Operation mode | | Cooling | Heating | Cooling | Heating |
| | | Running current (A) | | 0.22 - 0.24 | 0.26 - 0.28 | 0.22 - 0.24 | 0.26 - 0.28 |
| | | Power consumption (W) | | 25 | 30 | 25 | 30 |
| | | Power factor (approx.) (%) | | 47 | 48 | 47 | 48 |
| | | Indoor noise (H/M+/M/L+/L/Q) (dB) | | 41/38/33/28/24/19 | 41/38/33/28/24/19 | 41/39/34/29/25/19 | 41/39/34/29/25/19 |
| | Indoor air flow (H/M/L) (m ³ / hr) | | 700 / 500 / 300 | 750 / 530 / 330 | 730 / 520 / 330 | 780 / 560 / 360 | |
| | Outdoor unit | Running current (A) | | 2.13 - 2.32 | 2.45 - 2.67 | 3.08 - 3.36 | 3.29 - 3.57 |
| | | Power consumption (W) | | 415 | 560 | 715 | 760 |
| | | Power factor (approx.) (%) | | 81 | 95 | 97 | 96 |
| | | Outdoor noise (dB) | | 46 | 47 | 48 | 49 |
| | | Air flow rate (m ³ / hr) | | 2220 | 2220 | 2490 | 2350 |
| | Rated power factor (%) | | | 78 | 91 | 93 | 93 |
| | Maximum current (total) (A) | | | 13.00 | | 14.00 | |
| | Maximum of power consumption (W) | | | 2700 | | 2950 | |
| Dimension | Indoor unit (white) | Height (mm) | 293 | | | | |
| | | Width (mm) | 930 | | | | |
| | | Depth (mm) | 255 | | | | |
| | | Weight (kg) | 14 | | | | |
| | Indoor unit (wooden) | Height (mm) | 293 | | | | |
| | | Width (mm) | 940 | | | | |
| | | Depth (mm) | 257 | | | | |
| | | Weight (kg) | 16 | | | | |
| | Outdoor unit | Height (mm) | 630 | | | | |
| | | Width (mm) | 800 | | | | |
| | | Depth (mm) | 300 | | | | |
| Weight (kg) | | 43 | | | | | |
| Refrigerant | | | R32 | | | | |
| Refrigerant amount (kg) | | | 1.15 | | 1.20 | | |
| Connecting pipe | Gas side (mm) | | Ø 9.52 | | | | |
| | Liquid side (mm) | | Ø 6.35 | | | | |
| | Chargeless length condition (m) | | 15 | | | | |
| | Maximum length (m) | | 25 | | 25 | | |
| | Maximum Height (m) | | 15 | | 15 | | |
| Energy label (Cooling / Heating) | | | A+++ / A+++ | | | | |
| Operating range | Cooling (°C) | Indoor : 21 to 32 ⁰ C / Outdoor : -15 to 46 ⁰ C | | | | | |
| | Heating (°C) | Indoor : 0 to 28 ⁰ C / Outdoor : -30 to 24 ⁰ C | | | | | |

This specification refer to JISC9612, rated conditions.

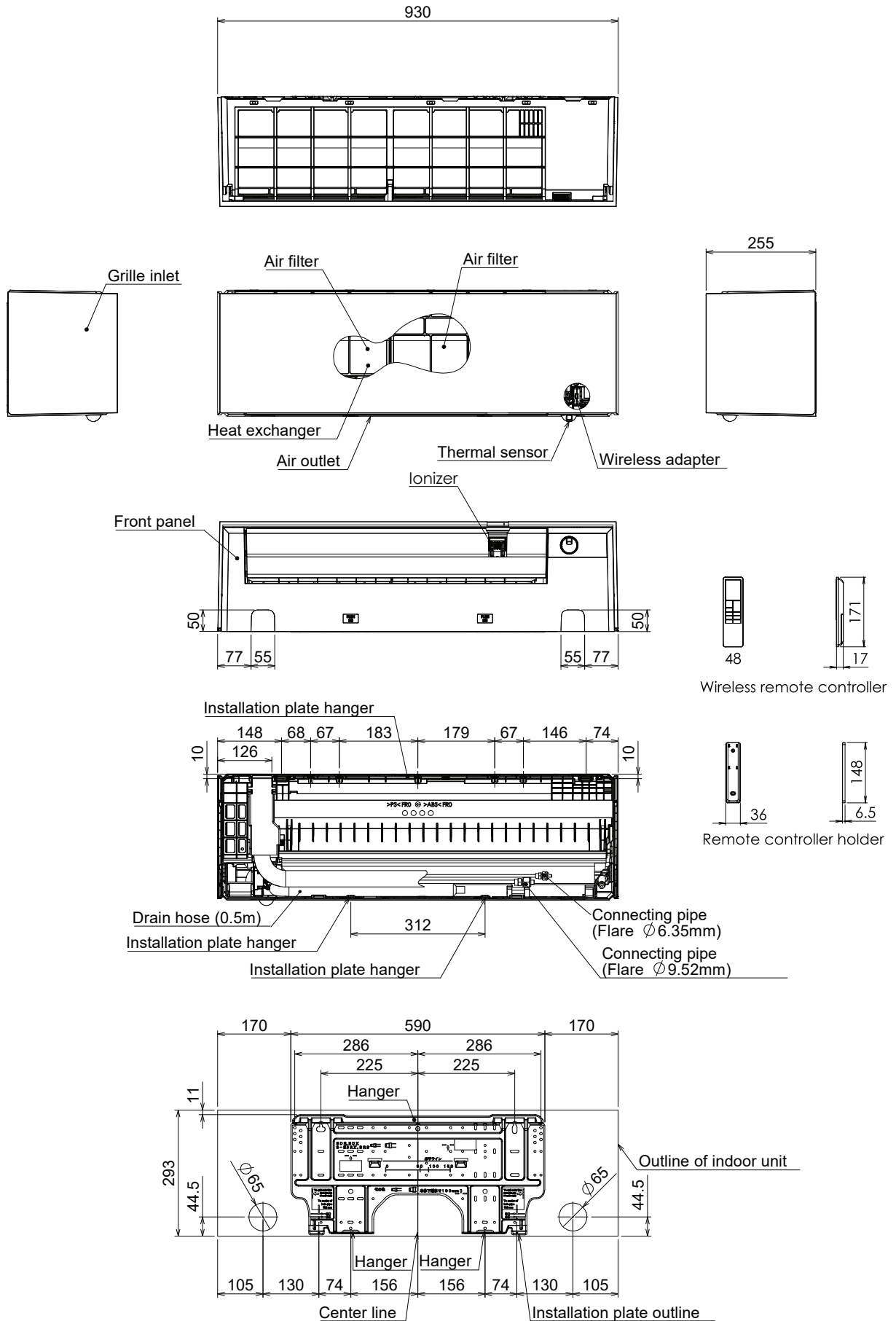
Cooling capacity : Inside air temperature 27°C (Db) / 19°C (Wb), outside air temperature 35°C (Db) / 24°C (Wb),

Heating capacity : Inside air temperature 20°C (Db) / 15°C (Wb), outside air temperature 7°C (Db) / 6°C (Wb),

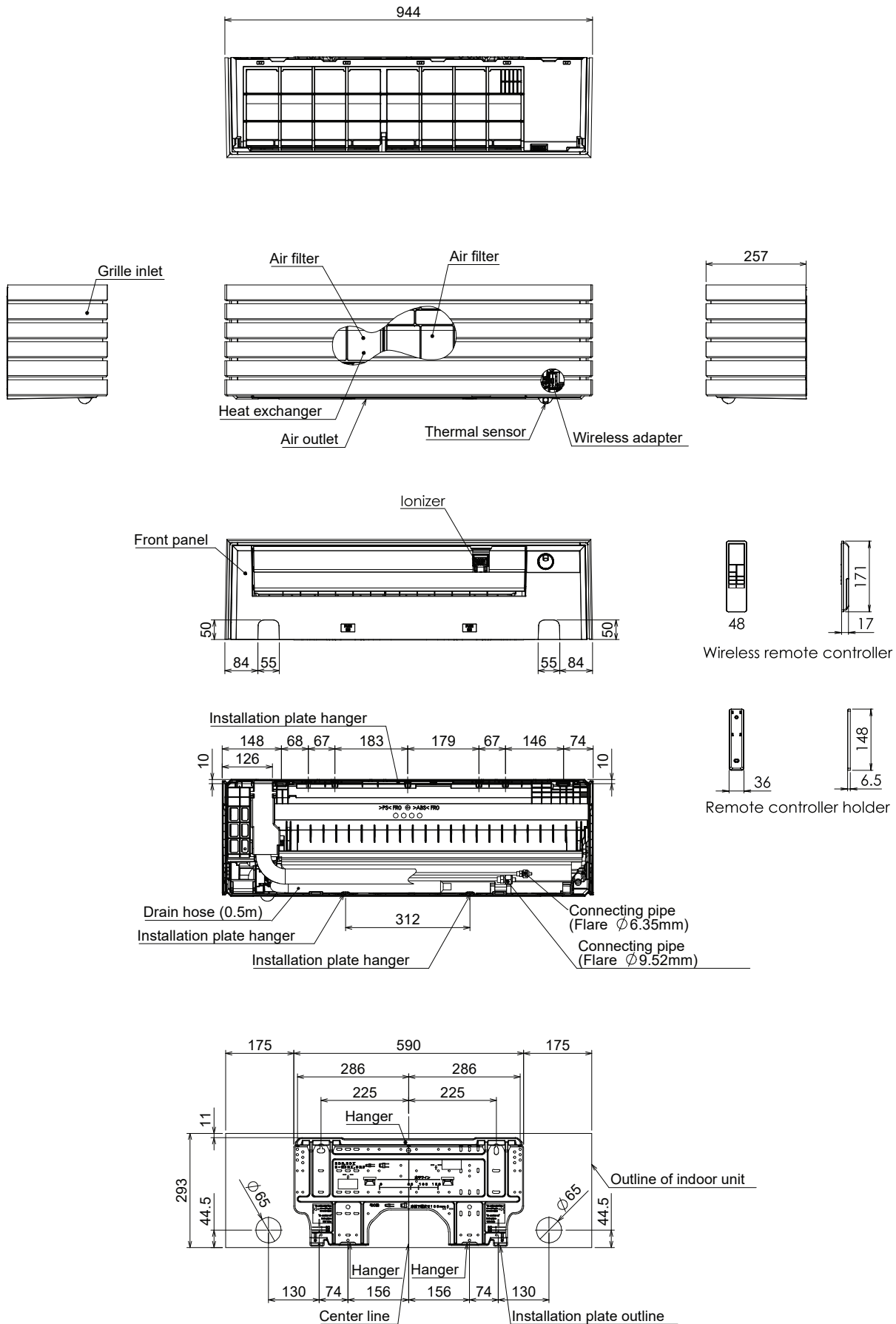
The specification may be subject to change without notice for purpose of improvement.

3. Dimension

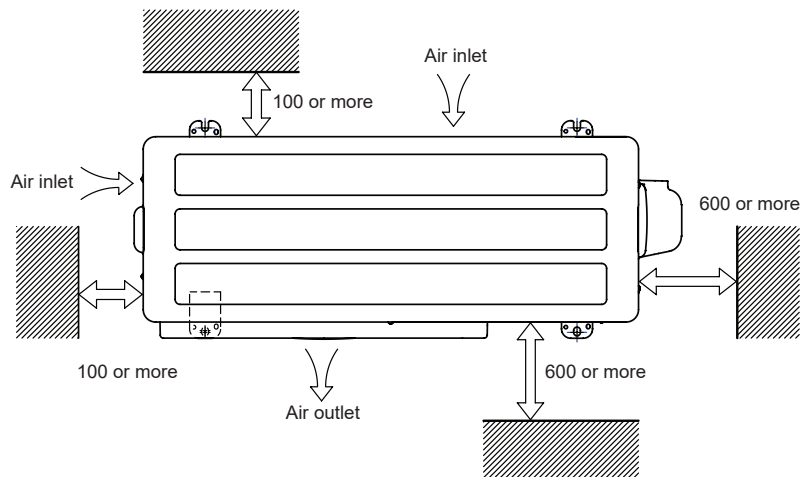
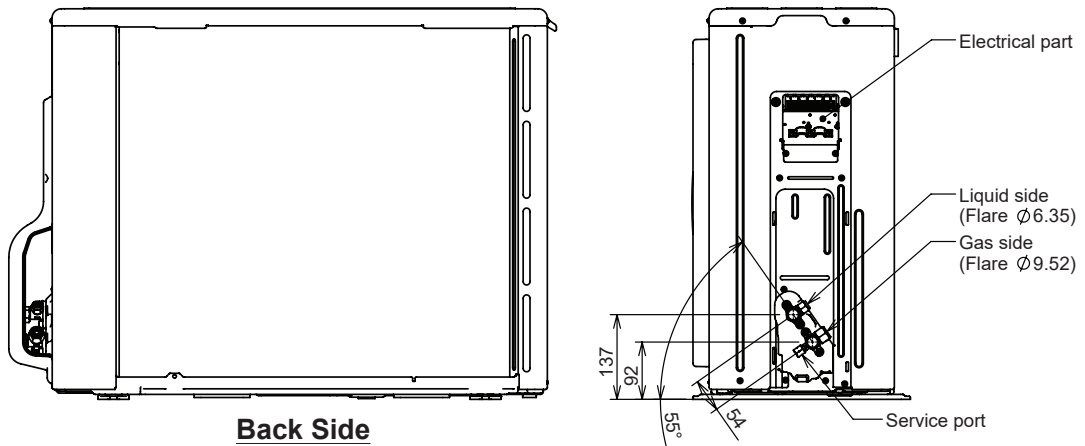
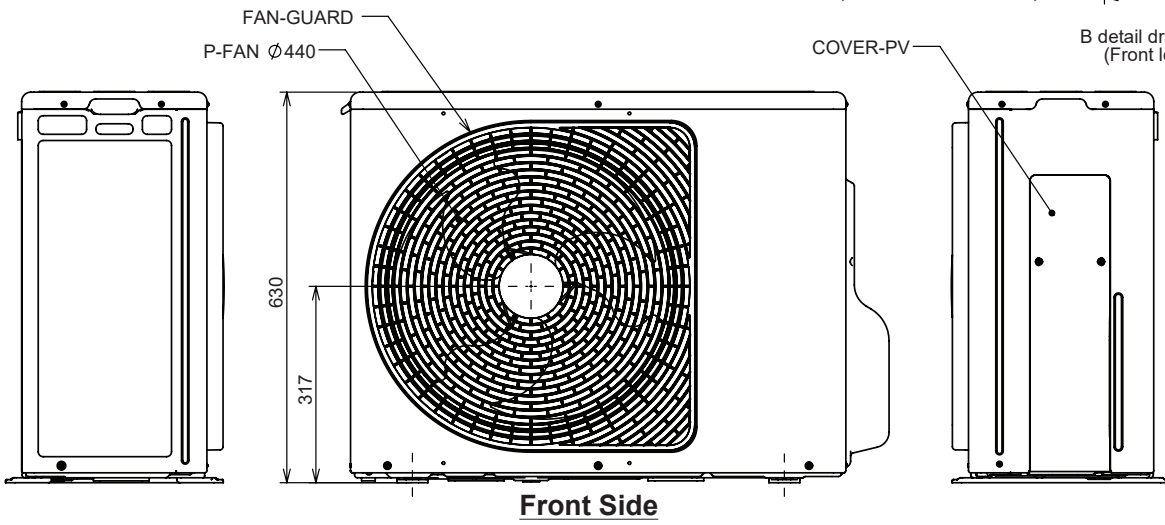
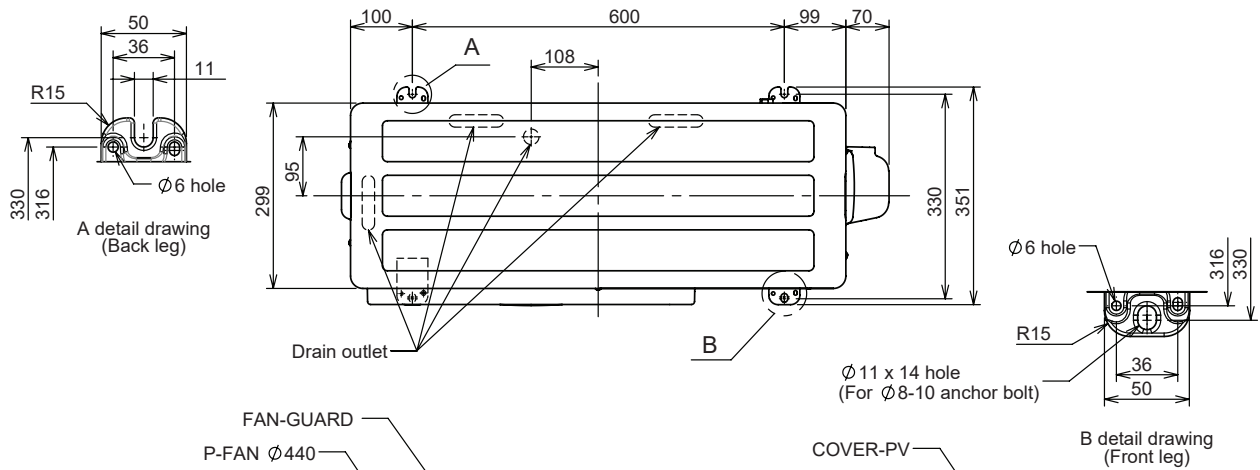
Indoor Unit : RAS-B25S4KVP-G-ND, RAS-B35S4KVP-G-ND



Indoor Unit : RAS-B25S4KVDG-ND, RAS-B35S4KVDG-ND

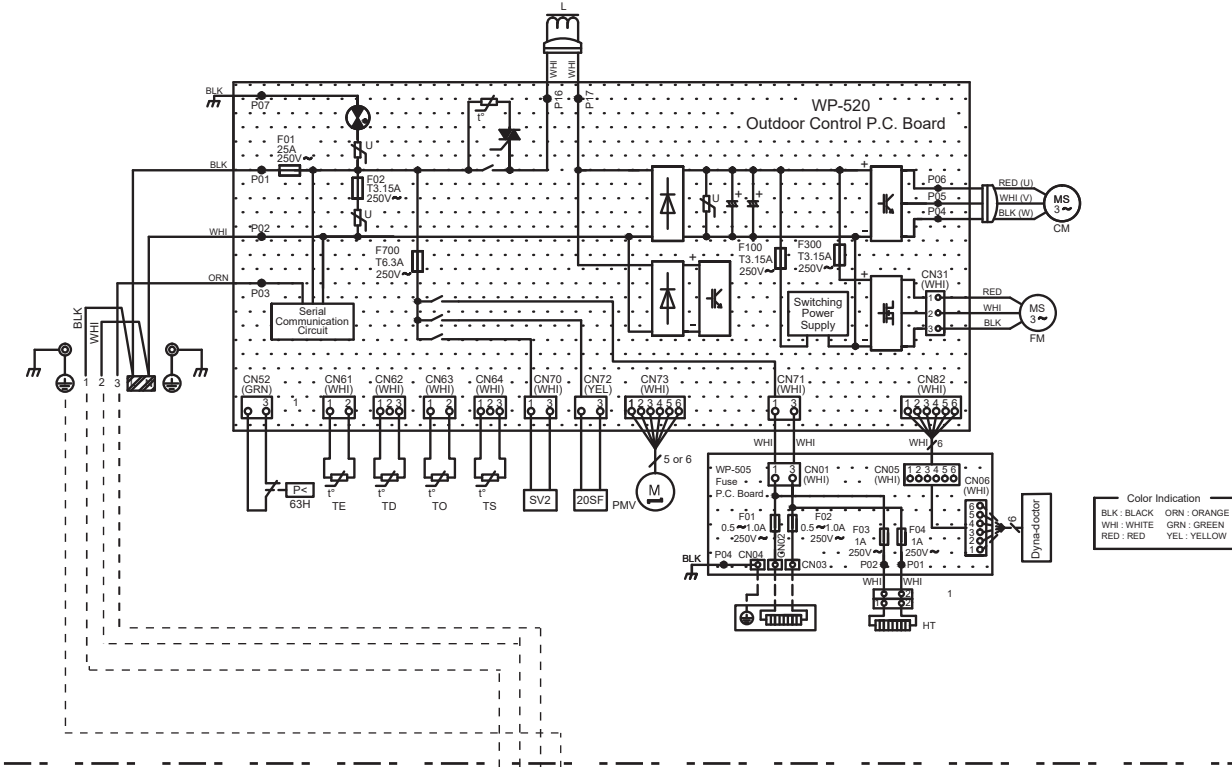


Outdoor Unit : RAS-25S4AVPG-ND, RAS-35S4AVPG-ND



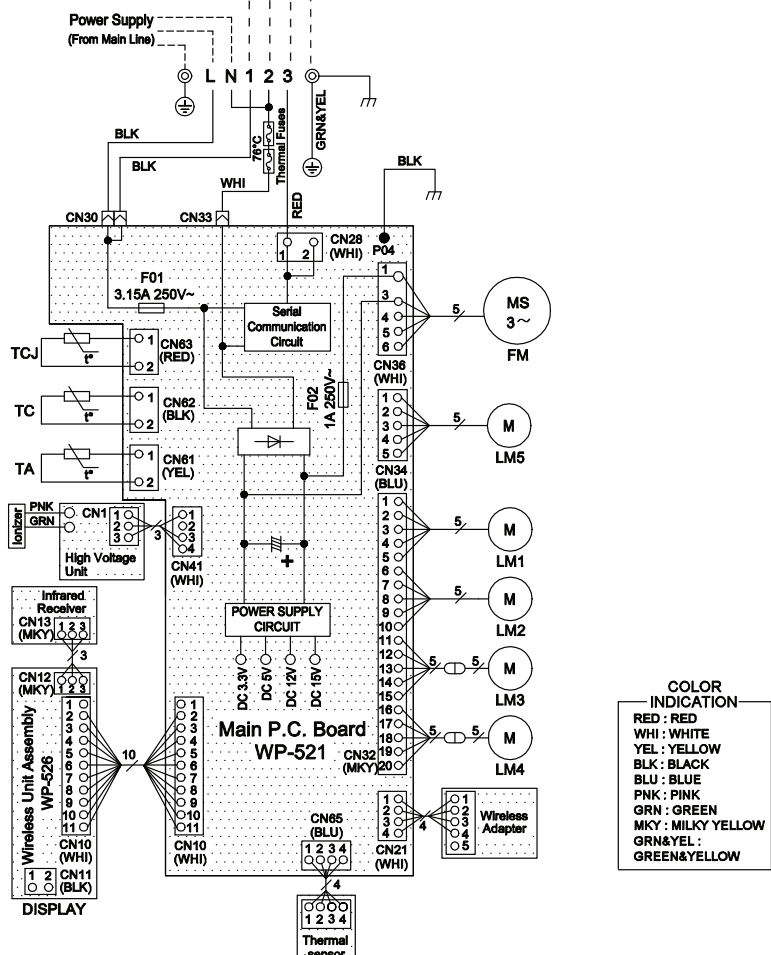
4. Wiring diagrams

RAS-B25S4KV(P,D)G-ND ; RAS-25S4AVPG-ND
 RAS-B35S4KV(P,D)G-ND ; RAS-35S4AVPG-ND



Color Indication

| | | | |
|-----|---------|-----|----------|
| BLK | : BLACK | ORN | : ORANGE |
| WHI | : WHITE | GRN | : GREEN |
| RED | : RED | YEL | : YELLOW |

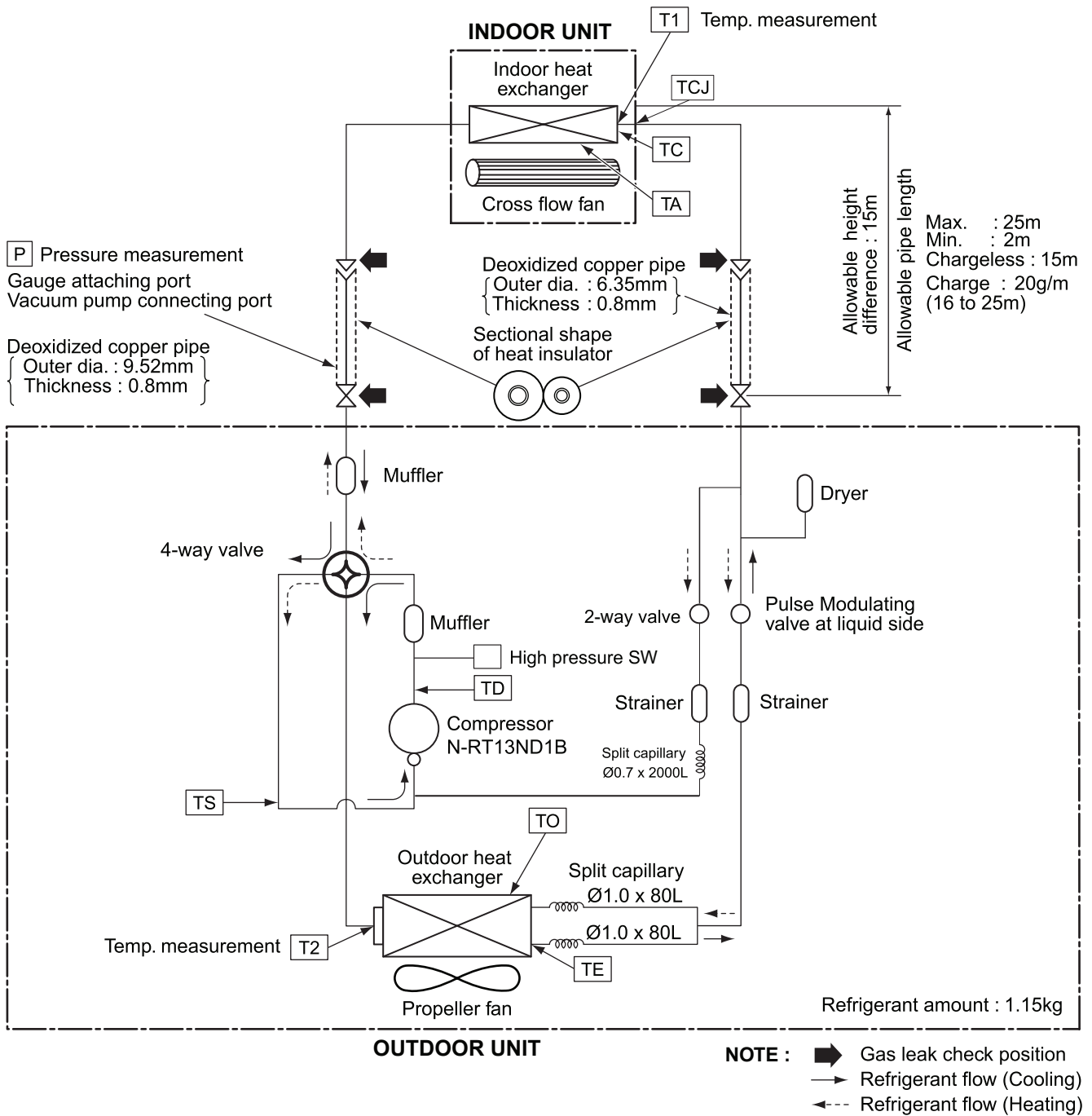


COLOR INDICATION

| | |
|---------|----------------|
| RED | : RED |
| WHI | : WHITE |
| YEL | : YELLOW |
| BLK | : BLACK |
| BLU | : BLUE |
| PNK | : PINK |
| GRN | : GREEN |
| MKY | : MILKY YELLOW |
| GRN&YEL | : GREEN&YELLOW |

5. Refrigerant Cycle Diagram

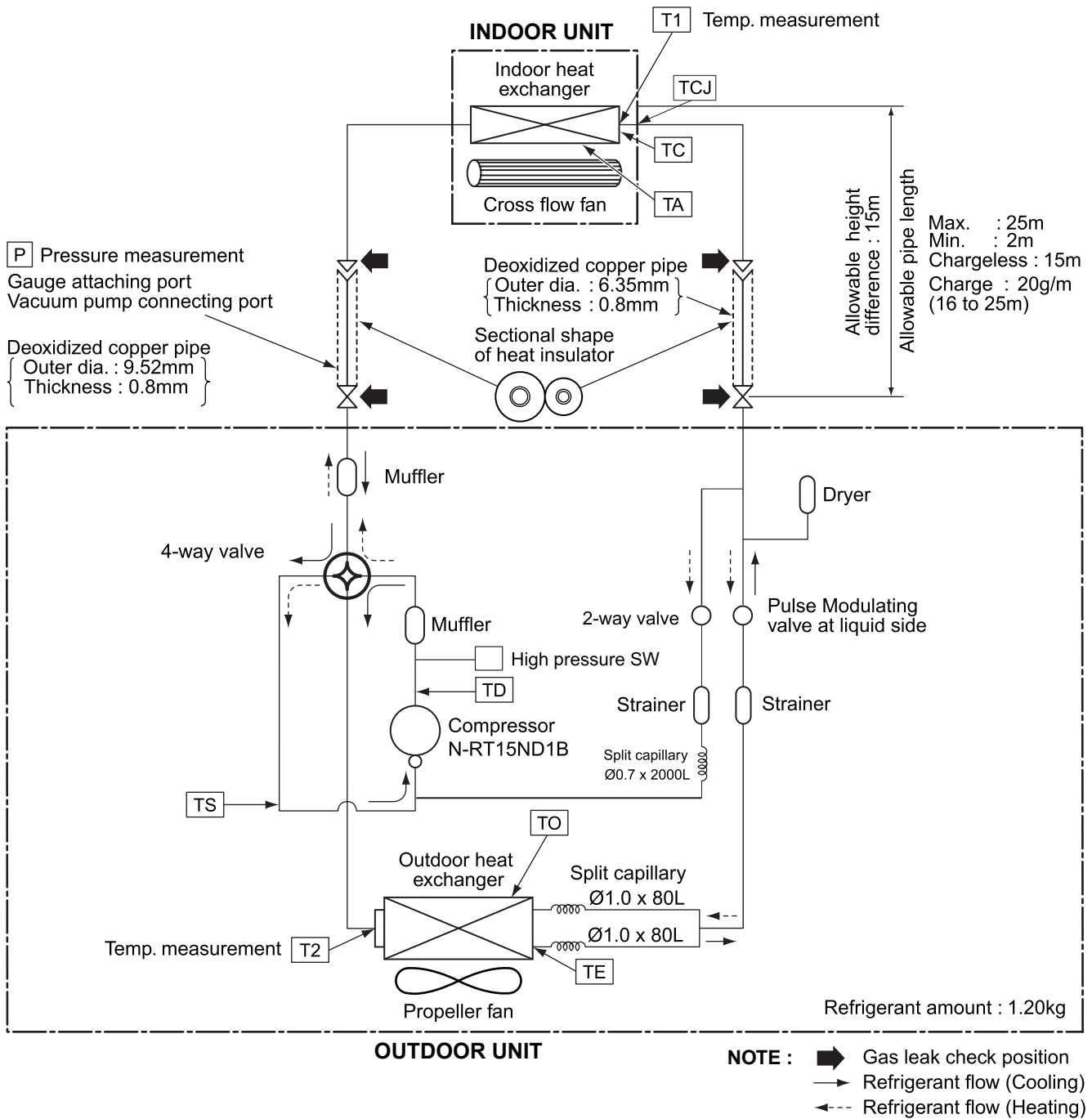
RAS-B25S4KV(P,D)G-ND ; RAS-25S4AVPG-ND



NOTE :

- The maximum pipe length of this air conditioner is 25 m. When the pipe length exceeds 15m, the additional charging of refrigerant, 20g per 1m for the part of pipe exceeded 15m is required. (Max. 200g)

RAS-B35S4KV(P,D)G-ND ; RAS-35S4AVPG-ND

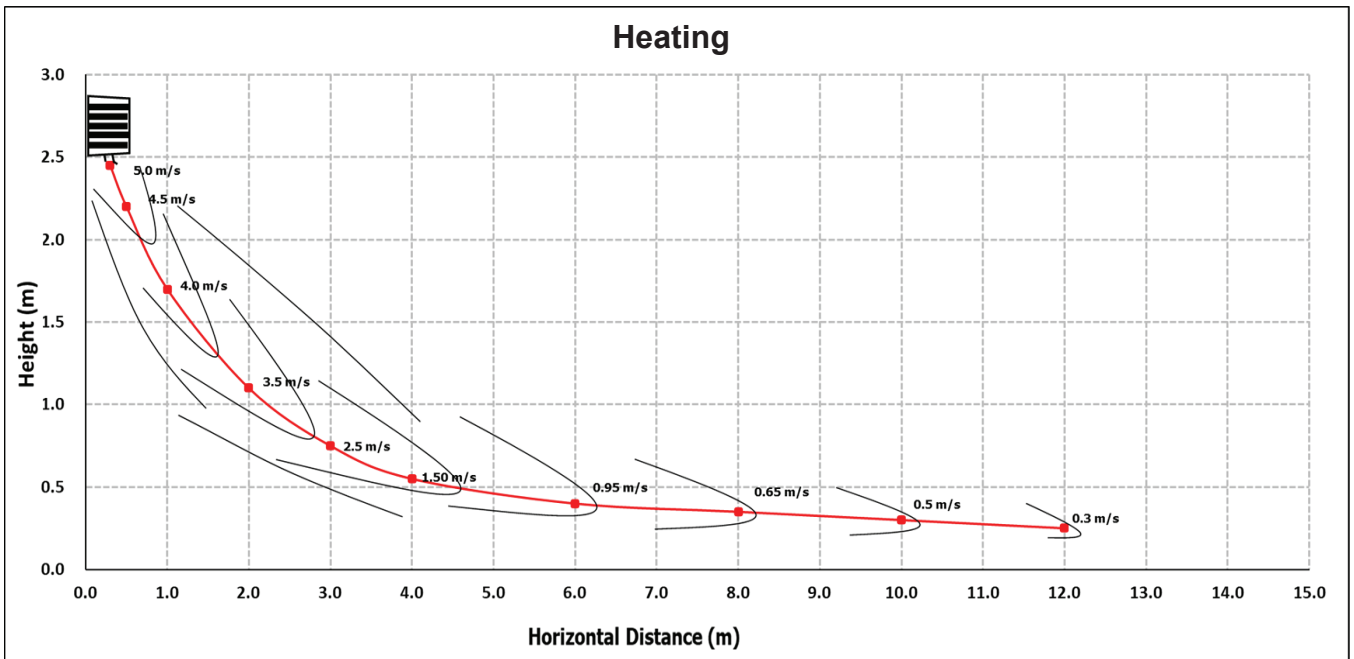
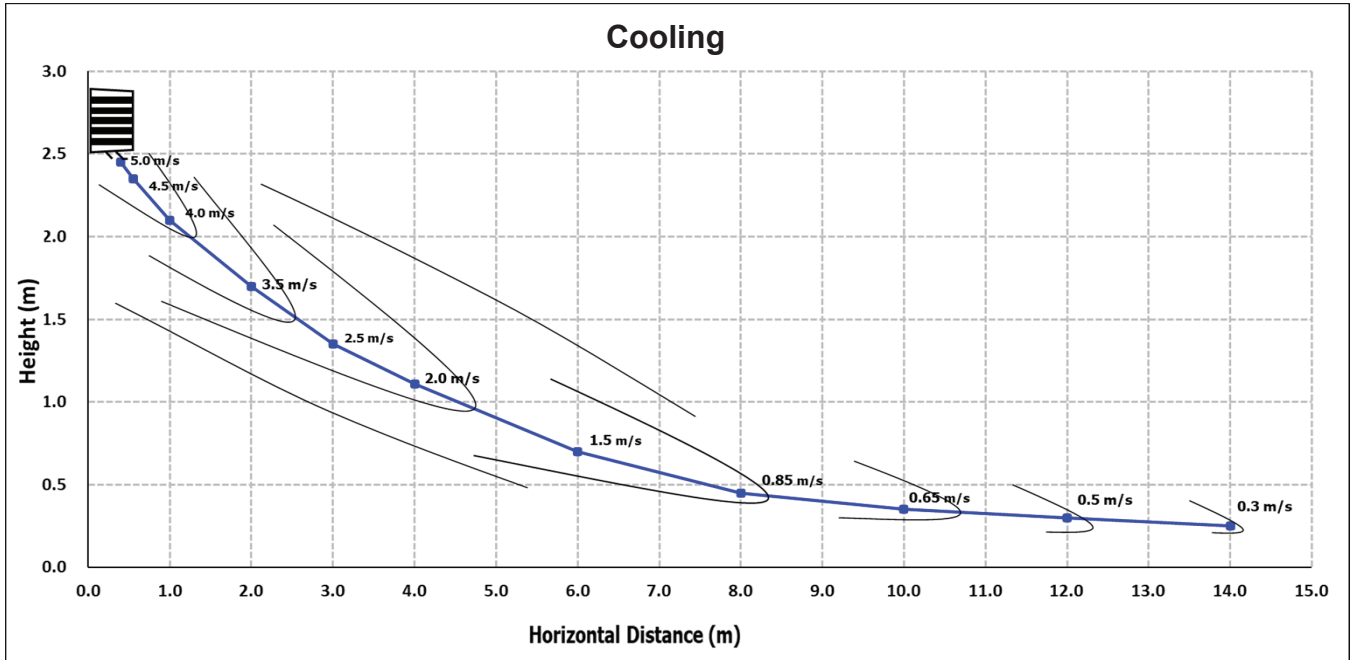


NOTE :

- The maximum pipe length of this air conditioner is 25 m. When the pipe length exceeds 15m, the additional charging of refrigerant, 20g per 1m for the part of pipe exceeded 15m is required. (Max. 200g)

6. Air Speed Distribution

RAS-B25S4KV(P,D)G-ND, RAS-B35S4KV(P,D)G-ND

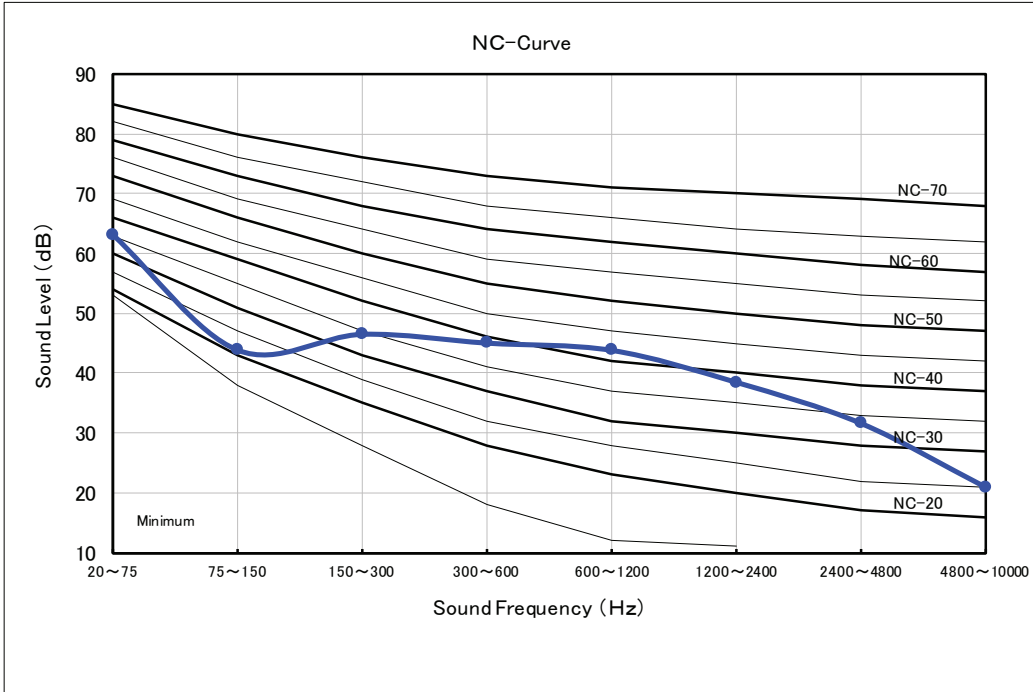


7. Sound Characteristics (NC Curve)

RAS-25N4AVPG-ND

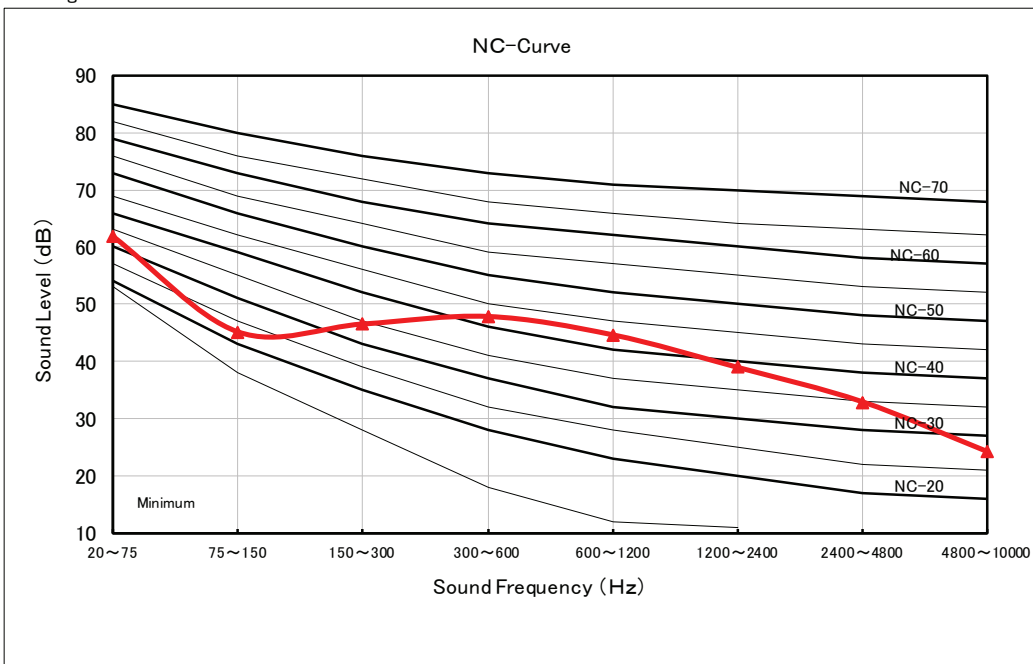
| Measured point | Specification |
|------------------|---------------|
| | Cooling |
| Horizontal 1.0 m | 46 |

Cooling



| Measured point | Specification |
|------------------|---------------|
| | Cooling |
| Horizontal 1.0 m | 47 |

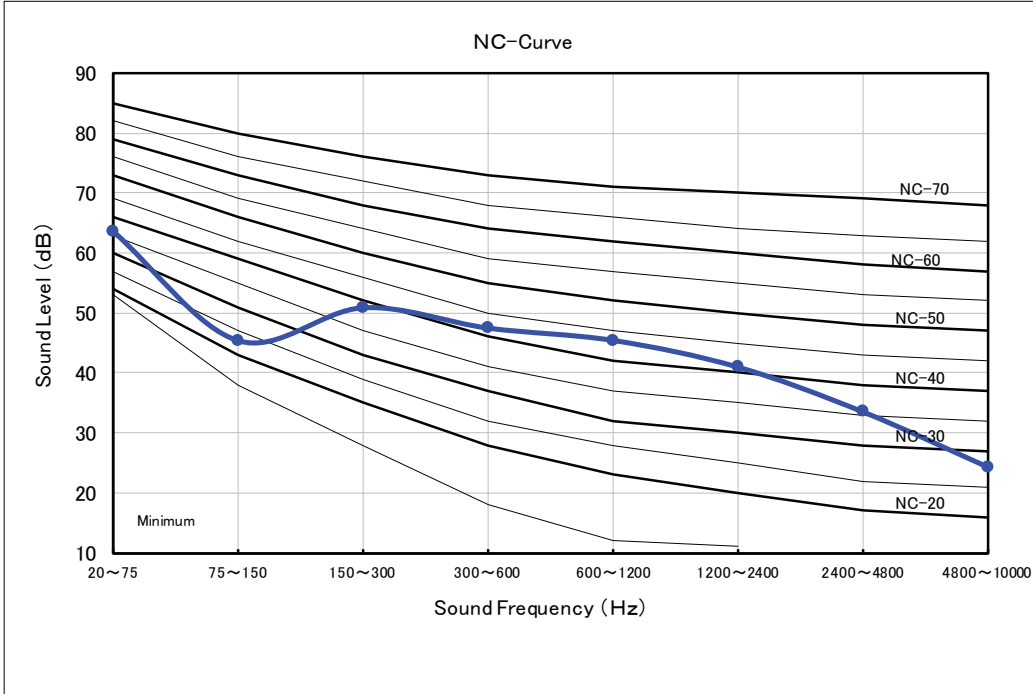
Heating



RAS-B35N4KVP(D)G-ND

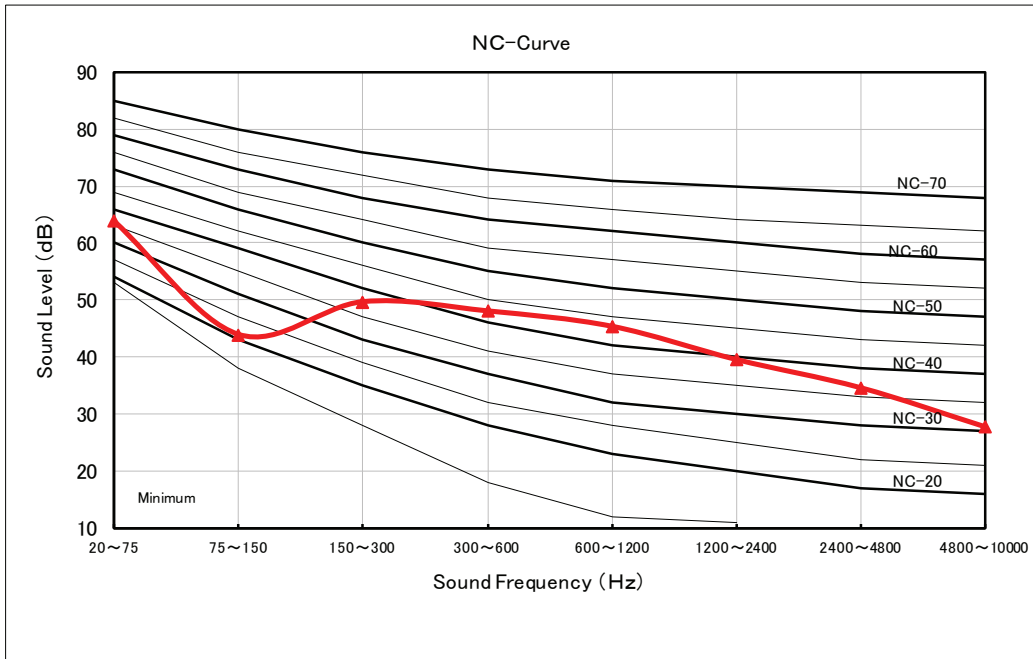
| | |
|------------------|---------------|
| Measured point | Specification |
| | Cooling |
| Horizontal 1.0 m | 48 |

Cooling



| | |
|------------------|---------------|
| Measured point | Specification |
| | Cooling |
| Horizontal 1.0 m | 49 |

Heating



8. Capacity Table

Product models : RAS-B25S4KV(P,D)G-ND ; RAS-25S4AVPG-ND

Specification of product at standard condition

| | | | | |
|--------------------|---------|-----------------------|------------------------------|---------|
| Standard Condition | Indoor | 27°C (DB) / 19°C (WB) | Total Cooling Capacity (TC) | 2.50 kW |
| | Outdoor | 35°C (DB) / 24°C (WB) | Sensible Heat Capacity (SHC) | 2.00 kW |

| Outdoor air temperature DB (°C) | Indoor air temperature | | | | | | | | | | | | | |
|------------------------------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|
| | 20.0°C (DB) 14.0°C (WB) | | 23.0°C (DB) 16.0°C (WB) | | 26.0°C (DB) 18.0°C (WB) | | 27.0°C (DB) 19.0°C (WB) | | 28.0°C (DB) 20.0°C (WB) | | 30.0°C (DB) 22.0°C (WB) | | 32.0°C (DB) 24.0°C (WB) | |
| | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC |
| 20 | 2.45 | 2.11 | 2.70 | 2.25 | 2.90 | 2.39 | 2.98 | 2.39 | 3.07 | 2.38 | 3.25 | 2.36 | 3.40 | 2.32 |
| 21 | 2.42 | 2.09 | 2.68 | 2.22 | 2.86 | 2.36 | 2.95 | 2.36 | 3.03 | 2.36 | 3.21 | 2.34 | 3.36 | 2.29 |
| 22 | 2.40 | 2.06 | 2.65 | 2.20 | 2.83 | 2.34 | 2.92 | 2.33 | 3.00 | 2.33 | 3.18 | 2.31 | 3.32 | 2.27 |
| 23 | 2.37 | 2.04 | 2.62 | 2.17 | 2.80 | 2.31 | 2.89 | 2.31 | 2.97 | 2.31 | 3.14 | 2.29 | 3.29 | 2.24 |
| 24 | 2.34 | 2.02 | 2.59 | 2.15 | 2.77 | 2.29 | 2.85 | 2.28 | 2.93 | 2.28 | 3.11 | 2.26 | 3.25 | 2.22 |
| 25 | 2.32 | 1.99 | 2.56 | 2.13 | 2.74 | 2.26 | 2.82 | 2.26 | 2.90 | 2.26 | 3.07 | 2.23 | 3.21 | 2.19 |
| 26 | 2.29 | 1.97 | 2.53 | 2.10 | 2.71 | 2.23 | 2.79 | 2.23 | 2.87 | 2.23 | 3.04 | 2.21 | 3.18 | 2.17 |
| 27 | 2.26 | 1.95 | 2.50 | 2.08 | 2.68 | 2.21 | 2.76 | 2.21 | 2.84 | 2.20 | 3.00 | 2.18 | 3.14 | 2.14 |
| 28 | 2.24 | 1.93 | 2.47 | 2.05 | 2.65 | 2.18 | 2.72 | 2.18 | 2.80 | 2.18 | 2.97 | 2.16 | 3.10 | 2.12 |
| 29 | 2.21 | 1.90 | 2.44 | 2.03 | 2.62 | 2.16 | 2.69 | 2.15 | 2.77 | 2.15 | 2.93 | 2.13 | 3.07 | 2.09 |
| 30 | 2.19 | 1.88 | 2.41 | 2.01 | 2.58 | 2.13 | 2.66 | 2.13 | 2.74 | 2.13 | 2.90 | 2.11 | 3.03 | 2.07 |
| 31 | 2.16 | 1.86 | 2.38 | 1.98 | 2.55 | 2.11 | 2.63 | 2.10 | 2.70 | 2.10 | 2.86 | 2.08 | 2.99 | 2.04 |
| 32 | 2.13 | 1.84 | 2.36 | 1.96 | 2.52 | 2.08 | 2.60 | 2.08 | 2.67 | 2.08 | 2.83 | 2.06 | 2.96 | 2.02 |
| 33 | 2.11 | 1.81 | 2.33 | 1.93 | 2.49 | 2.05 | 2.56 | 2.05 | 2.64 | 2.05 | 2.79 | 2.03 | 2.92 | 1.99 |
| 34 | 2.08 | 1.79 | 2.30 | 1.91 | 2.46 | 2.03 | 2.53 | 2.03 | 2.60 | 2.02 | 2.76 | 2.01 | 2.88 | 1.97 |
| 35 | 2.05 | 1.77 | 2.27 | 1.88 | 2.43 | 2.00 | 2.50 | 2.00 | 2.57 | 2.00 | 2.72 | 1.98 | 2.85 | 1.94 |
| 36 | 2.03 | 1.74 | 2.24 | 1.86 | 2.40 | 1.98 | 2.47 | 1.97 | 2.54 | 1.97 | 2.69 | 1.95 | 2.81 | 1.92 |
| 37 | 2.00 | 1.72 | 2.21 | 1.84 | 2.37 | 1.95 | 2.44 | 1.95 | 2.51 | 1.95 | 2.65 | 1.93 | 2.78 | 1.89 |
| 38 | 1.97 | 1.70 | 2.18 | 1.81 | 2.34 | 1.93 | 2.40 | 1.92 | 2.47 | 1.92 | 2.62 | 1.90 | 2.74 | 1.87 |
| 39 | 1.95 | 1.68 | 2.15 | 1.79 | 2.30 | 1.90 | 2.37 | 1.90 | 2.44 | 1.90 | 2.58 | 1.88 | 2.70 | 1.84 |
| 40 | 1.92 | 1.65 | 2.12 | 1.76 | 2.27 | 1.87 | 2.34 | 1.87 | 2.41 | 1.87 | 2.55 | 1.85 | 2.67 | 1.82 |
| 41 | 1.90 | 1.63 | 2.09 | 1.74 | 2.24 | 1.85 | 2.31 | 1.85 | 2.37 | 1.84 | 2.51 | 1.83 | 2.63 | 1.79 |
| 42 | 1.87 | 1.61 | 2.06 | 1.72 | 2.21 | 1.82 | 2.28 | 1.82 | 2.34 | 1.82 | 2.48 | 1.80 | 2.59 | 1.77 |
| 43 | 1.84 | 1.59 | 2.03 | 1.69 | 2.18 | 1.80 | 2.24 | 1.79 | 2.31 | 1.79 | 2.44 | 1.78 | 2.56 | 1.74 |
| 44 | 1.82 | 1.56 | 2.01 | 1.67 | 2.15 | 1.77 | 2.21 | 1.77 | 2.27 | 1.77 | 2.41 | 1.75 | 2.52 | 1.72 |
| 45 | 1.79 | 1.54 | 1.98 | 1.64 | 2.12 | 1.75 | 2.18 | 1.74 | 2.24 | 1.74 | 2.37 | 1.73 | 2.48 | 1.69 |
| 46 | 1.76 | 1.52 | 1.95 | 1.62 | 2.09 | 1.72 | 2.15 | 1.72 | 2.21 | 1.72 | 2.34 | 1.70 | 2.45 | 1.67 |

Product models : RAS-B35S4KV(P,D)G-ND ; RAS-35S4AVPG-ND

Specification of product at standard condition

| | | | | |
|--------------------|---------|-----------------------|------------------------------|---------|
| Standard Condition | Indoor | 27°C (DB) / 19°C (WB) | Total Cooling Capacity (TC) | 3.50 kW |
| | Outdoor | 35°C (DB) / 24°C (WB) | Sensible Heat Capacity (SHC) | 2.70 kW |

| Outdoor air temperature DB (°C) | Indoor air temperature | | | | | | | | | | | | | |
|------------------------------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|----------------------------|-------------|
| | 20.0°C (DB) 14.0°C (WB) | | 23.0°C (DB) 16.0°C (WB) | | 26.0°C (DB) 18.0°C (WB) | | 27.0°C (DB) 19.0°C (WB) | | 28.0°C (DB) 20.0°C (WB) | | 30.0°C (DB) 22.0°C (WB) | | 32.0°C (DB) 24.0°C (WB) | |
| | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC | TC | SHC |
| 20 | 3.43 | 2.85 | 3.79 | 3.04 | 4.05 | 3.23 | 4.17 | 3.22 | 4.29 | 3.21 | 4.55 | 3.18 | 4.76 | 3.11 |
| 21 | 3.39 | 2.82 | 3.75 | 3.01 | 4.01 | 3.19 | 4.13 | 3.19 | 4.25 | 3.18 | 4.50 | 3.14 | 4.70 | 3.07 |
| 22 | 3.35 | 2.79 | 3.70 | 2.97 | 3.97 | 3.16 | 4.08 | 3.15 | 4.20 | 3.15 | 4.45 | 3.11 | 4.65 | 3.04 |
| 23 | 3.32 | 2.76 | 3.66 | 2.94 | 3.92 | 3.12 | 4.04 | 3.12 | 4.15 | 3.11 | 4.40 | 3.07 | 4.60 | 3.01 |
| 24 | 3.28 | 2.73 | 3.62 | 2.91 | 3.88 | 3.09 | 3.99 | 3.08 | 4.11 | 3.08 | 4.35 | 3.04 | 4.55 | 2.97 |
| 25 | 3.24 | 2.70 | 3.58 | 2.87 | 3.84 | 3.06 | 3.95 | 3.05 | 4.06 | 3.04 | 4.30 | 3.01 | 4.50 | 2.94 |
| 26 | 3.21 | 2.67 | 3.54 | 2.84 | 3.79 | 3.02 | 3.90 | 3.01 | 4.02 | 3.01 | 4.25 | 2.97 | 4.45 | 2.91 |
| 27 | 3.17 | 2.64 | 3.50 | 2.81 | 3.75 | 2.99 | 3.86 | 2.98 | 3.97 | 2.97 | 4.20 | 2.94 | 4.40 | 2.87 |
| 28 | 3.13 | 2.61 | 3.46 | 2.78 | 3.71 | 2.95 | 3.81 | 2.94 | 3.92 | 2.94 | 4.16 | 2.90 | 4.35 | 2.84 |
| 29 | 3.10 | 2.58 | 3.42 | 2.74 | 3.66 | 2.92 | 3.77 | 2.91 | 3.88 | 2.90 | 4.11 | 2.87 | 4.29 | 2.81 |
| 30 | 3.06 | 2.55 | 3.38 | 2.71 | 3.62 | 2.88 | 3.72 | 2.87 | 3.83 | 2.87 | 4.06 | 2.83 | 4.24 | 2.77 |
| 31 | 3.02 | 2.52 | 3.34 | 2.68 | 3.57 | 2.85 | 3.68 | 2.84 | 3.78 | 2.83 | 4.01 | 2.80 | 4.19 | 2.74 |
| 32 | 2.99 | 2.48 | 3.30 | 2.65 | 3.53 | 2.81 | 3.63 | 2.80 | 3.74 | 2.80 | 3.96 | 2.77 | 4.14 | 2.71 |
| 33 | 2.95 | 2.45 | 3.26 | 2.61 | 3.49 | 2.78 | 3.59 | 2.77 | 3.69 | 2.76 | 3.91 | 2.73 | 4.09 | 2.67 |
| 34 | 2.91 | 2.42 | 3.22 | 2.58 | 3.44 | 2.74 | 3.54 | 2.73 | 3.65 | 2.73 | 3.86 | 2.70 | 4.04 | 2.64 |
| 35 | 2.87 | 2.39 | 3.17 | 2.55 | 3.40 | 2.71 | 3.50 | 2.70 | 3.60 | 2.70 | 3.81 | 2.66 | 3.99 | 2.61 |
| 36 | 2.84 | 2.36 | 3.13 | 2.51 | 3.36 | 2.67 | 3.46 | 2.67 | 3.55 | 2.66 | 3.76 | 2.63 | 3.94 | 2.57 |
| 37 | 2.80 | 2.33 | 3.09 | 2.48 | 3.31 | 2.64 | 3.41 | 2.63 | 3.51 | 2.63 | 3.71 | 2.60 | 3.89 | 2.54 |
| 38 | 2.76 | 2.30 | 3.05 | 2.45 | 3.27 | 2.60 | 3.37 | 2.60 | 3.46 | 2.59 | 3.67 | 2.56 | 3.83 | 2.50 |
| 39 | 2.73 | 2.27 | 3.01 | 2.42 | 3.23 | 2.57 | 3.32 | 2.56 | 3.42 | 2.56 | 3.62 | 2.53 | 3.78 | 2.47 |
| 40 | 2.69 | 2.24 | 2.97 | 2.38 | 3.18 | 2.53 | 3.28 | 2.53 | 3.37 | 2.52 | 3.57 | 2.49 | 3.73 | 2.44 |
| 41 | 2.65 | 2.21 | 2.93 | 2.35 | 3.14 | 2.50 | 3.23 | 2.49 | 3.32 | 2.49 | 3.52 | 2.46 | 3.68 | 2.40 |
| 42 | 2.62 | 2.18 | 2.89 | 2.32 | 3.09 | 2.46 | 3.19 | 2.46 | 3.28 | 2.45 | 3.47 | 2.42 | 3.63 | 2.37 |
| 43 | 2.58 | 2.15 | 2.85 | 2.29 | 3.05 | 2.43 | 3.14 | 2.42 | 3.23 | 2.42 | 3.42 | 2.39 | 3.58 | 2.34 |
| 44 | 2.54 | 2.12 | 2.81 | 2.25 | 3.01 | 2.40 | 3.10 | 2.39 | 3.18 | 2.38 | 3.37 | 2.36 | 3.53 | 2.30 |
| 45 | 2.51 | 2.09 | 2.77 | 2.22 | 2.96 | 2.36 | 3.05 | 2.35 | 3.14 | 2.35 | 3.32 | 2.32 | 3.48 | 2.27 |
| 46 | 2.47 | 2.05 | 2.73 | 2.19 | 2.92 | 2.33 | 3.01 | 2.32 | 3.09 | 2.31 | 3.27 | 2.29 | 3.42 | 2.24 |

9. Part Load Performance

Single Split Type

Indoor: RAS-B25S4KV(P,D)G-ND
 Outdoor: RAS-25S4AVPG-ND

| Operation range | Cooling | | Heating | |
|-----------------|---------|------|---------|------|
| | Q | P | Q | P |
| MINIMUM | W 600 | 150 | 560 | 150 |
| RATING | W 2500 | 440 | 3200 | 590 |
| MAXIMUM | W 4500 | 1190 | 6700 | 1800 |

Q : Capacity (W)
 P : Power consumption (W)

| Outdoor Temperature DB (°C) | Parts Load (%) | | | | | | | | | | | | | | | | | | | |
|--------------------------------|----------------|------|------|-----|------|-----|------|-----|------|-----|------------|-----|------|-----|------|-----|------|-----|-----|-----|
| | 100 (Max) | | 90 | | 80 | | 70 | | 60 | | 55 (Rated) | | 40 | | 30 | | 20 | | 10 | |
| | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P |
| 20 | 5366 | 934 | 4830 | 670 | 4293 | 576 | 3756 | 481 | 3220 | 387 | 2981 | 345 | 2147 | 229 | 1610 | 169 | 1073 | 136 | 716 | 118 |
| 21 | 5309 | 951 | 4778 | 682 | 4247 | 586 | 3716 | 490 | 3185 | 394 | 2949 | 352 | 2123 | 234 | 1593 | 172 | 1062 | 138 | 708 | 120 |
| 22 | 5251 | 968 | 4726 | 694 | 4201 | 597 | 3676 | 499 | 3150 | 401 | 2917 | 358 | 2100 | 238 | 1575 | 175 | 1050 | 141 | 700 | 122 |
| 23 | 5193 | 985 | 4674 | 707 | 4154 | 607 | 3635 | 508 | 3116 | 408 | 2885 | 364 | 2077 | 242 | 1558 | 178 | 1039 | 143 | 692 | 124 |
| 24 | 5135 | 1002 | 4622 | 719 | 4108 | 618 | 3595 | 517 | 3081 | 416 | 2853 | 371 | 2054 | 246 | 1541 | 181 | 1027 | 146 | 685 | 126 |
| 25 | 5078 | 1019 | 4570 | 731 | 4062 | 628 | 3554 | 525 | 3047 | 423 | 2821 | 377 | 2031 | 250 | 1523 | 184 | 1016 | 148 | 677 | 129 |
| 26 | 5020 | 1036 | 4518 | 743 | 4016 | 639 | 3514 | 534 | 3012 | 430 | 2789 | 383 | 2008 | 255 | 1506 | 187 | 1004 | 151 | 669 | 131 |
| 27 | 4962 | 1054 | 4466 | 755 | 3970 | 649 | 3473 | 543 | 2977 | 437 | 2757 | 390 | 1985 | 259 | 1489 | 191 | 992 | 153 | 662 | 133 |
| 28 | 4904 | 1071 | 4414 | 768 | 3923 | 660 | 3433 | 552 | 2943 | 444 | 2725 | 396 | 1962 | 263 | 1471 | 194 | 981 | 156 | 654 | 135 |
| 29 | 4847 | 1088 | 4362 | 780 | 3877 | 670 | 3393 | 561 | 2908 | 451 | 2692 | 402 | 1939 | 267 | 1454 | 197 | 969 | 158 | 646 | 137 |
| 30 | 4789 | 1105 | 4310 | 792 | 3831 | 681 | 3352 | 569 | 2873 | 458 | 2660 | 408 | 1916 | 271 | 1437 | 200 | 958 | 161 | 639 | 139 |
| 31 | 4731 | 1122 | 4258 | 804 | 3785 | 691 | 3312 | 578 | 2839 | 465 | 2628 | 415 | 1892 | 276 | 1419 | 203 | 946 | 163 | 631 | 141 |
| 32 | 4673 | 1139 | 4206 | 817 | 3739 | 702 | 3271 | 587 | 2804 | 472 | 2596 | 421 | 1869 | 280 | 1402 | 206 | 935 | 166 | 623 | 144 |
| 33 | 4616 | 1156 | 4154 | 829 | 3692 | 712 | 3231 | 596 | 2769 | 479 | 2564 | 427 | 1846 | 284 | 1385 | 209 | 923 | 168 | 615 | 146 |
| 34 | 4558 | 1173 | 4102 | 841 | 3646 | 723 | 3190 | 605 | 2735 | 486 | 2532 | 434 | 1823 | 288 | 1367 | 212 | 912 | 171 | 608 | 148 |
| 35 | 4500 | 1190 | 4050 | 853 | 3600 | 733 | 3150 | 613 | 2700 | 493 | 2500 | 440 | 1800 | 292 | 1350 | 215 | 900 | 173 | 600 | 150 |
| 36 | 4442 | 1207 | 3998 | 866 | 3554 | 744 | 3110 | 622 | 2665 | 500 | 2468 | 446 | 1777 | 296 | 1333 | 218 | 888 | 176 | 592 | 152 |
| 37 | 4385 | 1224 | 3946 | 878 | 3508 | 754 | 3069 | 631 | 2631 | 507 | 2436 | 453 | 1754 | 301 | 1315 | 221 | 877 | 178 | 585 | 154 |
| 38 | 4327 | 1241 | 3894 | 890 | 3461 | 765 | 3029 | 640 | 2596 | 515 | 2404 | 459 | 1731 | 305 | 1298 | 225 | 865 | 181 | 577 | 156 |
| 39 | 4269 | 1258 | 3842 | 902 | 3415 | 775 | 2988 | 648 | 2561 | 522 | 2372 | 465 | 1708 | 309 | 1281 | 228 | 854 | 183 | 569 | 159 |
| 40 | 4211 | 1275 | 3790 | 914 | 3369 | 786 | 2948 | 657 | 2527 | 529 | 2340 | 472 | 1685 | 313 | 1263 | 231 | 842 | 185 | 562 | 161 |
| 41 | 4154 | 1292 | 3738 | 927 | 3323 | 796 | 2907 | 666 | 2492 | 536 | 2307 | 478 | 1661 | 317 | 1246 | 234 | 831 | 188 | 554 | 163 |
| 42 | 4096 | 1309 | 3686 | 939 | 3277 | 807 | 2867 | 675 | 2457 | 543 | 2275 | 484 | 1638 | 322 | 1229 | 237 | 819 | 190 | 546 | 165 |
| 43 | 4038 | 1326 | 3634 | 951 | 3230 | 817 | 2827 | 684 | 2423 | 550 | 2243 | 490 | 1615 | 326 | 1211 | 240 | 808 | 193 | 538 | 167 |
| 44 | 3980 | 1344 | 3582 | 963 | 3184 | 828 | 2786 | 692 | 2388 | 557 | 2211 | 497 | 1592 | 330 | 1194 | 243 | 796 | 195 | 531 | 169 |
| 45 | 3923 | 1361 | 3530 | 976 | 3138 | 838 | 2746 | 701 | 2354 | 564 | 2179 | 503 | 1569 | 334 | 1177 | 246 | 785 | 198 | 523 | 172 |
| 46 | 3865 | 1378 | 3478 | 988 | 3092 | 848 | 2705 | 710 | 2319 | 571 | 2147 | 509 | 1546 | 338 | 1159 | 249 | 773 | 200 | 515 | 174 |

| Outdoor Temperature DB (°C) | Parts Load (%) | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|----------------|------|------|------|------|--------|------|------|------|-----|------------|-----|------|-----|------|-----|-----|-----|-----|-----|-----|-----|
| | 100 (Max) | | 90 | | 80 | | 70 | | 60 | | 48 (Rated) | | 40 | | 30 | | 20 | | 10 | | 9 | |
| | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P | Q | P |
| -30 | 2900 | 1400 | 2610 | 1050 | 2320 | 910 | 2030 | 770 | 1740 | 630 | 1159 | 365 | 971 | 285 | 728 | 216 | 486 | 147 | 243 | 101 | 218 | 96 |
| -29 | 3100 | 1460 | 2790 | 1095 | 2480 | 949 | 2170 | 803 | 1860 | 657 | 1239 | 381 | 1030 | 297 | 778 | 225 | 519 | 153 | 259 | 106 | 234 | 100 |
| -28 | 3300 | 1520 | 2970 | 1140 | 2640 | 988 | 2310 | 836 | 1980 | 684 | 1319 | 397 | 1105 | 309 | 829 | 234 | 552 | 159 | 276 | 110 | 249 | 105 |
| -27 | 3500 | 1580 | 3150 | 1185 | 2800 | 1027 | 2450 | 869 | 2100 | 711 | 1399 | 412 | 1172 | 322 | 879 | 244 | 586 | 165 | 293 | 114 | 264 | 109 |
| -26 | 3700 | 1640 | 3330 | 1230 | 2960 | 1066 | 2590 | 902 | 2220 | 738 | 1479 | 428 | 1239 | 334 | 929 | 253 | 619 | 172 | 310 | 119 | 279 | 113 |
| -25 | 3900 | 1700 | 3510 | 1275 | 3120 | 1105 | 2730 | 935 | 2340 | 765 | 1559 | 444 | 1306 | 346 | 979 | 262 | 653 | 178 | 326 | 123 | 294 | 117 |
| -24 | 4020 | 1750 | 3618 | 1313 | 3216 | 1138 | 2814 | 963 | 2412 | 788 | 1607 | 457 | 1346 | 356 | 1010 | 270 | 673 | 183 | 337 | 127 | 303 | 120 |
| -23 | 4140 | 1800 | 3726 | 1351 | 3312 | 1170 | 2898 | 990 | 2484 | 810 | 1655 | 470 | 1386 | 366 | 1040 | 277 | 693 | 188 | 347 | 130 | 312 | 124 |
| -22 | 4260 | 1850 | 3834 | 1388 | 3408 | 1203 | 2982 | 1018 | 2556 | 833 | 1703 | 483 | 1426 | 377 | 1070 | 285 | 713 | 194 | 357 | 134 | 321 | 127 |
| -21 | 4380 | 1900 | 3942 | 1426 | 3504 | 1235 | 3066 | 1045 | 2628 | 855 | 1751 | 496 | 1467 | 387 | 1100 | 293 | 733 | 199 | 367 | 138 | 330 | 131 |
| -20 | 4500 | 1950 | 4050 | 1463 | 3600 | 1268 | 3150 | 1073 | 2700 | 878 | 1799 | 509 | 1507 | 397 | 1130 | 301 | 753 | 204 | 377 | 141 | 339 | 134 |
| -19 | 4580 | 1980 | 4122 | 1486 | 3664 | 1288 | 3206 | 1089 | 2748 | 891 | 1831 | 517 | 1534 | 403 | 1150 | 305 | 767 | 207 | 383 | 143 | 345 | 136 |
| -18 | 4660 | 2010 | 4194 | 1508 | 3728 | 1307 | 3262 | 1106 | 2796 | 905 | 1863 | 525 | 1560 | 409 | 1170 | 310 | 780 | 210 | 390 | 146 | 351 | 138 |
| -17 | 4740 | 2040 | 4266 | 1531 | 3792 | 1327 | 3318 | 1122 | 2844 | 918 | 1895 | 533 | 1587 | 415 | 1190 | 314 | 794 | 214 | 397 | 148 | 357 | 140 |
| -16 | 4820 | 2070 | 4338 | 1553 | 3856 | 1346 | 3374 | 1139 | 2892 | 932 | 1927 | 540 | 1614 | 421 | 1210 | 319 | 807 | 217 | 403 | 150 | 363 | 142 |
| -15 | 4900 | 2100 | 4410 | 1576 | 3920 | 1366 | 3430 | 1156 | 2940 | 945 | 1959 | 548 | 1641 | 427 | 1231 | 324 | 820 | 220 | 410 | 152 | 369 | 144 |
| -14 | 4980 | 2120 | 4484 | 1599 | 3988 | 1379 | 3496 | 1172 | 2996 | 959 | 1993 | 556 | 1661 | 432 | 1246 | 327 | 830 | 222 | 415 | 154 | 374 | 146 |
| -13 | 5020 | 2140 | 4518 | 1606 | 4016 | 1392 | 3521 | 1187 | 3021 | 967 | 2007 | 559 | 1681 | 436 | 1261 | 330 | 840 | 224 | 420 | 155 | 378 | 147 |
| -12 | 5080 | 2160 | 4572 | 1621 | 4064 | 1405 | 3570 | 1204 | 3075 | 977 | 2031 | 564 | 1701 | 440 | 1276 | 333 | 850 | 226 | 425 | 157 | 383 | 149 |
| -11 | 5140 | 2180 | 4626 | 1636 | 4112 | 1418 | 3612 | 1215 | 3126 | 987 | 2056 | 569 | 1721 | 444 | 1291 | 336 | 861 | 228 | 430 | 158 | 387 | 150 |
| -10 | 5200 | 2200 | 4680 | 1651 | 4160 | 1431 | 3654 | 1227 | 3176 | 997 | 2079 | 574 | 1741 | 448 | 1306 | 339 | 871 | 230 | 435 | 159 | 392 | 151 |
| -9 | 5250 | 2183 | 4725 | 1638 | 4200 | 1420 | 3676 | 1220 | 3156 | 997 | 2067 | 570 | 1758 | 444 | 1318 | 337 | 879 | 229 | 439 | 158 | 396 | 150 |
| -8 | 5300 | 2167 | 4770 | 1626 | 4240 | 1409 | 3698 | 1213 | 3136 | 997 | 2055 | 566 | 1775 | 441 | 1331 | 334 | 887 | 227 | 444 | 157 | 399 | 149 |
| -7 | 5350 | 2150 | 4815 | 1613 | 4280 | 1398 | 3720 | 1206 | 3116 | 997 | 2043 | 561 | 1791 | 438 | 1344 | 331 | 896 | 225 | 448 | 156 | 403 | 148 |
| -6 | 5400 | 2133 | 4860 | 1601 | 4320 | 1387 | 3742 | 1199 | 3096 | 997 | 2031 | 557 | 1808 | 434 | 1356 | 329 | 904 | 223 | 452 | 155 | 407 | 147 |
| -5 | 5450 | 2117 | 4905 | 1588 | 4360 | 1376 | 3764 | 1192 | 3076 | 997 | 2019 | 553 | 1825 | 431 | 1369 | 326 | 912 | 222 | 456 | 153 | 411 | 146 |
| -4 | 5500 | 2100 | 4950 | 1576 | 4400 | 1366 | 3786 | 1185 | 3056 | 997 | 2007 | 548 | 1842 | 427 | 1381 | 324 | 921 | 220 | 460 | 152 | 414 | 144 |
| -3 | 5550 | 2083 | 4995 | 1563 | 4440 | 1355 | 3808 | 1178 | 3036 | 997 | 1995 | 544 | 1858 | 424 | 1394 | 321 | 929 | 218 | 465 | 151 | 418 | 143 |
| -2 | 5600 | 2067 | 5040 | 1551 | 4480 | 1344 | 3830 | 1171 | 3016 | 997 | 1983 | 540 | 1875 | 421 | 1406 | 319 | 938 | 216 | 469 | 150 | 422 | 142 |
| -1 | 5650 | 2050 | 5085 | 1538 | 4520 | 1333 | 3852 | 1164 | 2996 | 997 | 1971 | 535 | 1892 | 417 | 1419 | 316 | 946 | 215 | 473 | 149 | 426 | 141 |
| 0 | 5700 | 2033 | 5130 | 1526 | 4560 | 1322 | 3874 | 1157 | 2976 | 997 | 1959 | 531 | 1909 | 414 | 1431 | 313 | 954 | 213 | 477 | 147 | 429 | 140 |
| 1 | 5750 | 2017 | 5175 | 1513 | 4600 | 1311</ | | | | | | | | | | | | | | | | |

10. Performance Characteristic

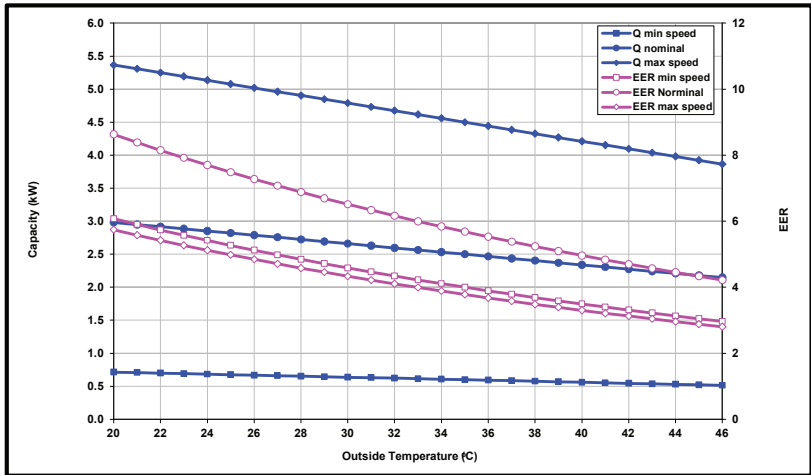
Model : RAS-B25S4KV(P,D)G-ND ; RAS-25S4AVPG-ND

Product specification :

| Condition | | Capacity (kW) | Power (kW) | EER/COP |
|--|-------|---------------|------------|---------|
| Cooling JIS In: 27 °C DB/19°C WE Out: 35°C DB/24°C WB | Min | 0.60 | 0.15 | 4.00 |
| | Rated | 2.50 | 0.44 | 5.68 |
| | Max | 4.50 | 1.19 | 3.78 |
| Heating JIS In: 20 °C DB/15°C WB Out: 7 °C DB/6°C WB | Min | 0.56 | 0.15 | 3.73 |
| | Rated | 3.20 | 0.59 | 5.42 |
| | Max | 6.70 | 1.80 | 3.72 |
| Heating Low Temp. In: 20 °C DB/15°C WB Out: 2 °C DB/1°C WB | Max | 5.80 | 2.00 | 2.90 |
| | Max | 5.20 | 2.20 | 2.36 |
| Heating Low Temp. In: 20 °C DB/15°C WB Out: -10°C DB | Max | 4.90 | 2.10 | 2.33 |
| | Max | 4.50 | 1.95 | 2.31 |
| Heating Low Temp. In: 20 °C DB/15°C WE Out: -25°C DB | Max | 3.90 | 1.70 | 2.29 |
| | Max | 2.90 | 1.40 | 2.07 |

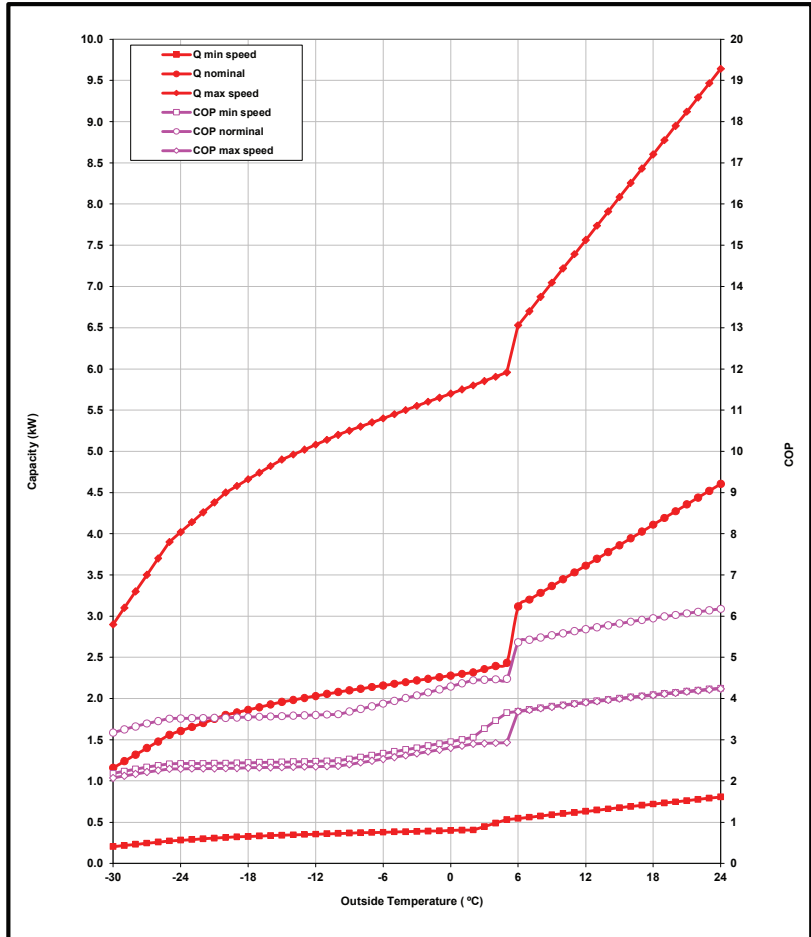
Cooling performance characteristic :

| Outside Temp (°C) | Min capacity | | | Nominal capacity | | | Max capacity | | |
|-------------------|---------------|-------------|-------------|------------------|-------------|-------------|---------------|-------------|-------------|
| | Capacity (kW) | Power (kW) | EER (-) | Capacity (kW) | Power (kW) | EER (-) | Capacity (kW) | Power (kW) | EER (-) |
| 20 | 0.72 | 0.12 | 6.08 | 2.98 | 0.35 | 8.63 | 5.37 | 0.93 | 5.74 |
| 21 | 0.71 | 0.12 | 5.90 | 2.95 | 0.35 | 8.39 | 5.31 | 0.95 | 5.58 |
| 22 | 0.70 | 0.12 | 5.74 | 2.92 | 0.36 | 8.15 | 5.25 | 0.97 | 5.42 |
| 23 | 0.69 | 0.12 | 5.57 | 2.89 | 0.36 | 7.92 | 5.19 | 0.99 | 5.27 |
| 24 | 0.68 | 0.13 | 5.42 | 2.85 | 0.37 | 7.70 | 5.14 | 1.00 | 5.12 |
| 25 | 0.68 | 0.13 | 5.27 | 2.82 | 0.38 | 7.48 | 5.08 | 1.02 | 4.98 |
| 26 | 0.67 | 0.13 | 5.12 | 2.79 | 0.38 | 7.28 | 5.02 | 1.04 | 4.84 |
| 27 | 0.66 | 0.13 | 4.98 | 2.76 | 0.39 | 7.08 | 4.96 | 1.05 | 4.71 |
| 28 | 0.65 | 0.13 | 4.85 | 2.72 | 0.40 | 6.88 | 4.90 | 1.07 | 4.58 |
| 29 | 0.65 | 0.14 | 4.71 | 2.69 | 0.40 | 6.70 | 4.85 | 1.09 | 4.46 |
| 30 | 0.64 | 0.14 | 4.59 | 2.66 | 0.41 | 6.51 | 4.79 | 1.10 | 4.33 |
| 31 | 0.63 | 0.14 | 4.46 | 2.63 | 0.41 | 6.34 | 4.73 | 1.12 | 4.22 |
| 32 | 0.62 | 0.14 | 4.34 | 2.60 | 0.42 | 6.17 | 4.67 | 1.14 | 4.10 |
| 33 | 0.62 | 0.15 | 4.22 | 2.56 | 0.43 | 6.00 | 4.62 | 1.16 | 3.99 |
| 34 | 0.61 | 0.15 | 4.11 | 2.53 | 0.43 | 5.84 | 4.56 | 1.17 | 3.89 |
| 35 | 0.60 | 0.15 | 4.00 | 2.50 | 0.44 | 5.68 | 4.50 | 1.19 | 3.78 |
| 36 | 0.59 | 0.15 | 3.89 | 2.47 | 0.45 | 5.53 | 4.44 | 1.21 | 3.68 |
| 37 | 0.58 | 0.15 | 3.79 | 2.44 | 0.45 | 5.38 | 4.38 | 1.22 | 3.58 |
| 38 | 0.58 | 0.16 | 3.69 | 2.40 | 0.46 | 5.24 | 4.33 | 1.24 | 3.49 |
| 39 | 0.57 | 0.16 | 3.59 | 2.37 | 0.47 | 5.10 | 4.27 | 1.26 | 3.39 |
| 40 | 0.56 | 0.16 | 3.49 | 2.34 | 0.47 | 4.96 | 4.21 | 1.28 | 3.30 |
| 41 | 0.55 | 0.16 | 3.40 | 2.31 | 0.48 | 4.83 | 4.15 | 1.29 | 3.21 |
| 42 | 0.55 | 0.17 | 3.31 | 2.28 | 0.48 | 4.70 | 4.10 | 1.31 | 3.13 |
| 43 | 0.54 | 0.17 | 3.22 | 2.24 | 0.49 | 4.57 | 4.04 | 1.33 | 3.04 |
| 44 | 0.53 | 0.17 | 3.13 | 2.21 | 0.50 | 4.45 | 3.98 | 1.34 | 2.96 |
| 45 | 0.52 | 0.17 | 3.05 | 2.18 | 0.50 | 4.33 | 3.92 | 1.36 | 2.88 |
| 46 | 0.52 | 0.17 | 2.97 | 2.15 | 0.51 | 4.22 | 3.86 | 1.38 | 2.81 |



Heating performance characteristic :

| Outside Temp (°C) | Min capacity | | | Nominal capacity | | | Max capacity | | |
|-------------------|---------------|-------------|-------------|------------------|-------------|-------------|---------------|-------------|-------------|
| | Capacity (kW) | Power (kW) | COF (-) | Capacity (kW) | Power (kW) | COF (-) | Capacity (kW) | Power (kW) | COF (-) |
| -30 | 0.20 | 0.05 | 2.16 | 1.16 | 0.37 | 3.17 | 2.90 | 1.40 | 2.07 |
| -29 | 0.22 | 0.10 | 2.24 | 1.24 | 0.38 | 3.25 | 3.10 | 1.46 | 2.12 |
| -28 | 0.23 | 0.10 | 2.29 | 1.32 | 0.40 | 3.32 | 3.30 | 1.52 | 2.17 |
| -27 | 0.24 | 0.10 | 2.34 | 1.40 | 0.41 | 3.39 | 3.50 | 1.58 | 2.22 |
| -26 | 0.26 | 0.11 | 2.38 | 1.48 | 0.43 | 3.46 | 3.70 | 1.64 | 2.26 |
| -25 | 0.27 | 0.11 | 2.42 | 1.56 | 0.44 | 3.51 | 3.90 | 1.70 | 2.29 |
| -24 | 0.28 | 0.12 | 2.42 | 1.61 | 0.46 | 3.52 | 4.02 | 1.75 | 2.30 |
| -23 | 0.29 | 0.12 | 2.42 | 1.66 | 0.47 | 3.52 | 4.14 | 1.80 | 2.30 |
| -22 | 0.30 | 0.12 | 2.43 | 1.70 | 0.48 | 3.53 | 4.26 | 1.85 | 2.30 |
| -21 | 0.31 | 0.13 | 2.43 | 1.75 | 0.50 | 3.53 | 4.38 | 1.90 | 2.31 |
| -20 | 0.31 | 0.13 | 2.43 | 1.80 | 0.51 | 3.53 | 4.50 | 1.95 | 2.31 |
| -19 | 0.32 | 0.13 | 2.44 | 1.83 | 0.52 | 3.54 | 4.58 | 1.98 | 2.31 |
| -18 | 0.33 | 0.13 | 2.44 | 1.86 | 0.52 | 3.55 | 4.66 | 2.01 | 2.32 |
| -17 | 0.33 | 0.14 | 2.45 | 1.90 | 0.53 | 3.56 | 4.74 | 2.04 | 2.32 |
| -16 | 0.34 | 0.14 | 2.45 | 1.93 | 0.54 | 3.57 | 4.82 | 2.07 | 2.33 |
| -15 | 0.34 | 0.14 | 2.46 | 1.96 | 0.55 | 3.57 | 4.90 | 2.10 | 2.33 |
| -14 | 0.35 | 0.14 | 2.47 | 1.98 | 0.55 | 3.58 | 4.96 | 2.12 | 2.34 |
| -13 | 0.35 | 0.14 | 2.47 | 2.01 | 0.56 | 3.59 | 5.02 | 2.14 | 2.35 |
| -12 | 0.36 | 0.14 | 2.48 | 2.03 | 0.56 | 3.60 | 5.08 | 2.16 | 2.35 |
| -11 | 0.36 | 0.14 | 2.49 | 2.05 | 0.57 | 3.61 | 5.14 | 2.18 | 2.36 |
| -10 | 0.36 | 0.15 | 2.49 | 2.08 | 0.57 | 3.62 | 5.20 | 2.20 | 2.36 |
| -9 | 0.37 | 0.14 | 2.53 | 2.10 | 0.57 | 3.68 | 5.25 | 2.18 | 2.40 |
| -8 | 0.37 | 0.14 | 2.58 | 2.12 | 0.57 | 3.75 | 5.30 | 2.17 | 2.45 |
| -7 | 0.37 | 0.14 | 2.62 | 2.14 | 0.56 | 3.81 | 5.35 | 2.15 | 2.49 |
| -6 | 0.38 | 0.14 | 2.67 | 2.16 | 0.56 | 3.88 | 5.40 | 2.13 | 2.53 |
| -5 | 0.38 | 0.14 | 2.71 | 2.18 | 0.55 | 3.94 | 5.45 | 2.12 | 2.57 |
| -4 | 0.38 | 0.14 | 2.76 | 2.20 | 0.55 | 4.01 | 5.50 | 2.10 | 2.62 |
| -3 | 0.39 | 0.14 | 2.81 | 2.22 | 0.54 | 4.08 | 5.55 | 2.08 | 2.66 |
| -2 | 0.39 | 0.14 | 2.86 | 2.24 | 0.54 | 4.15 | 5.60 | 2.07 | 2.71 |
| -1 | 0.40 | 0.14 | 2.91 | 2.26 | 0.54 | 4.22 | 5.65 | 2.05 | 2.76 |
| 0 | 0.40 | 0.13 | 2.96 | 2.28 | 0.53 | 4.29 | 5.70 | 2.03 | 2.80 |
| 1 | 0.40 | 0.13 | 3.01 | 2.30 | 0.53 | 4.37 | 5.75 | 2.02 | 2.85 |
| 2 | 0.41 | 0.13 | 3.06 | 2.32 | 0.52 | 4.44 | 5.80 | 2.00 | 2.90 |
| 3 | 0.45 | 0.14 | 3.27 | 2.36 | 0.53 | 4.45 | 5.85 | 2.01 | 2.91 |
| 4 | 0.49 | 0.14 | 3.47 | 2.39 | 0.54 | 4.47 | 5.90 | 2.02 | 2.92 |
| 5 | 0.53 | 0.15 | 3.65 | 2.43 | 0.54 | 4.48 | 5.96 | 2.03 | 2.93 |
| 6 | 0.55 | 0.15 | 3.69 | 3.12 | 0.58 | 5.37 | 6.53 | 1.77 | 3.68 |
| 7 | 0.56 | 0.15 | 3.73 | 3.20 | 0.59 | 5.42 | 6.70 | 1.80 | 3.72 |
| 8 | 0.57 | 0.15 | 3.77 | 3.28 | 0.60 | 5.48 | 6.87 | 1.83 | 3.76 |
| 9 | 0.59 | 0.15 | 3.81 | 3.37 | 0.61 | 5.53 | 7.05 | 1.86 | 3.80 |
| 10 | 0.60 | 0.16 | 3.84 | 3.45 | 0.62 | 5.58 | 7.22 | 1.88 | 3.83 |
| 11 | 0.62 | 0.16 | 3.88 | 3.53 | 0.63 | 5.63 | 7.39 | 1.91 | 3.87 |
| 12 | 0.63 | 0.16 | 3.91 | 3.61 | 0.64 | 5.68 | 7.56 | 1.94 | 3.90 |
| 13 | 0.65 | 0.16 | 3.94 | 3.70 | 0.64 | 5.73 | 7.74 | 1.97 | 3.93 |
| 14 | 0.66 | 0.17 | 3.98 | 3.78 | 0.65 | 5.78 | 7.91 | 2.00 | 3.96 |
| 15 | 0.68 | 0.17 | 4.01 | 3.86 | 0.66 | 5.82 | 8.08 | 2.02 | 4.00 |
| 16 | 0.69 | 0.17 | 4.04 | 3.94 | 0.67 | 5.87 | 8.26 | 2.05 | 4.03 |
| 17 | 0.70 | 0.17 | 4.07 | 4.03 | 0.68 | 5.91 | 8.43 | 2.08 | 4.05 |
| 18 | 0.72 | 0.18 | 4.10 | 4.11 | 0.69 | 5.95 | 8.60 | 2.11 | 4.08 |
| 19 | 0.73 | 0.18 | 4.12 | 4.19 | 0.70 | 5.99 | 8.77 | 2.13 | 4.11 |
| 20 | 0.75 | 0.18 | 4.15 | 4.27 | 0.71 | 6.03 | 8.95 | 2.16 | 4.14 |
| 21 | 0.76 | 0.18 | 4.18 | 4.36 | 0.72 | 6.07 | 9.12 | 2.19 | 4.16 |
| 22 | 0.78 | 0.18 | 4.20 | 4.44 | 0.73 | 6.11 | 9.29 | 2.22 | 4.19 |
| 23 | 0.79 | 0.19 | 4.23 | 4.52 | 0.74 | 6.14 | 9.47 | 2.25 | 4.21 |
| 24 | 0.81 | 0.19 | 4.25 | 4.60 | 0.75 | 6.18 | 9.64 | 2.27 | 4.24 |



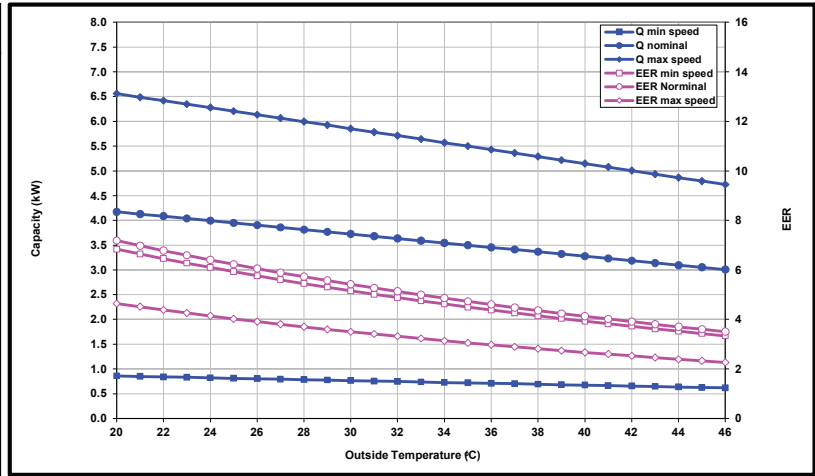
Model : RAS-B35S4KV(P,D)G-ND ; RAS-35AVPG-ND

Product specification :

| Condition | | Capacity (kW) | Power (kW) | EER/COP |
|--|-------|---------------|------------|---------|
| Cooling JIS In: 27°C DB/19°C WB Out: 35°C DB/24°CWB | Min | 0.72 | 0.16 | 4.50 |
| | Rated | 3.50 | 0.74 | 4.73 |
| | Max | 5.50 | 1.80 | 3.06 |
| Heating JIS In: 20°C DB/15°C WE Out: 7°C DB/6°C WB | Min | 0.72 | 0.16 | 4.50 |
| | Rated | 4.00 | 0.79 | 5.06 |
| | Max | 7.70 | 2.60 | 2.96 |
| Heating Low Temp. In: 20°C DB/15°C WE Out: 2°C DB/1°C WB | Max | 6.20 | 1.95 | 3.18 |
| | Max | 5.80 | 2.35 | 2.47 |
| Heating Low Temp. In: 20°C DB/15°C WB Out: -10°C DB | Max | 5.20 | 2.20 | 2.36 |
| | Max | 4.70 | 2.05 | 2.29 |
| Heating Low Temp. In: 20°C DB/15°C WB Out: -25°C DE | Max | 4.10 | 1.80 | 2.28 |
| | Max | 3.20 | 1.45 | 2.21 |

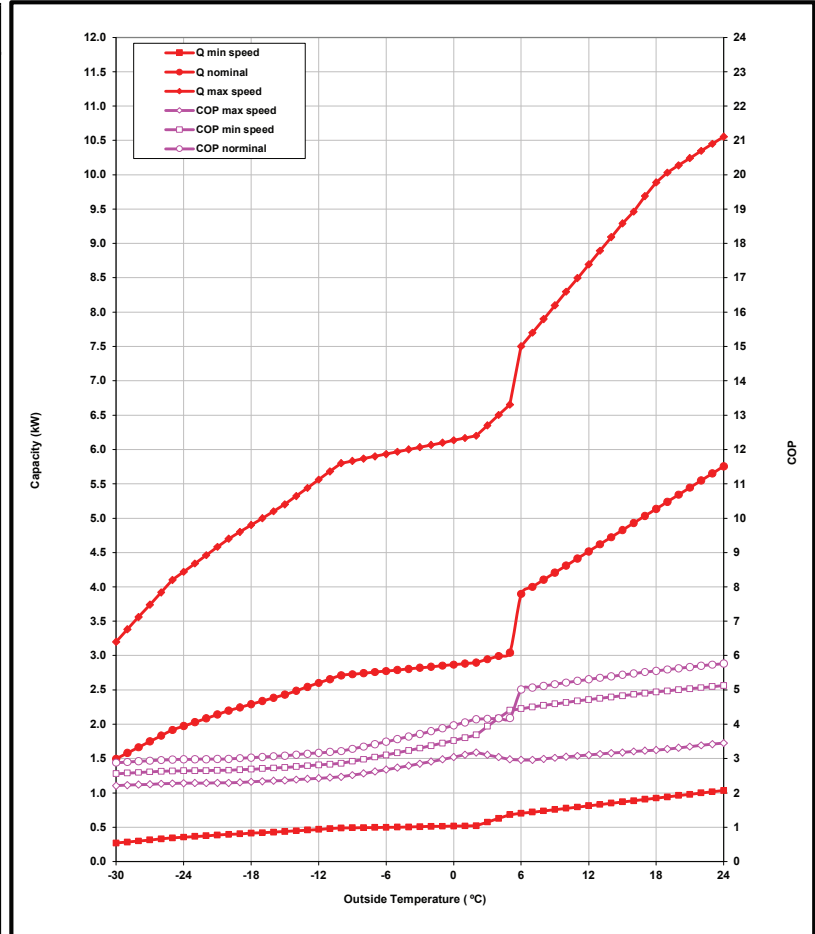
Cooling performance characteristic :

| Outside Temp (°C) | Min capacity | | | Nominal capacity | | | Max capacity | | |
|-------------------|--------------|------------|---------|------------------|------------|---------|--------------|------------|---------|
| | Capacit (kW) | Power (kW) | EER (-) | Capacit (kW) | Power (kW) | EER (-) | Capacit (kW) | Power (kW) | EER (-) |
| 20 | 0.86 | 0.13 | 6.54 | 4.17 | 0.58 | 7.18 | 6.56 | 1.41 | 4.64 |
| 21 | 0.85 | 0.13 | 6.64 | 4.13 | 0.59 | 6.98 | 6.49 | 1.44 | 4.51 |
| 22 | 0.84 | 0.13 | 6.85 | 4.08 | 0.60 | 6.78 | 6.42 | 1.46 | 4.38 |
| 23 | 0.83 | 0.13 | 6.27 | 4.04 | 0.61 | 6.59 | 6.35 | 1.49 | 4.26 |
| 24 | 0.82 | 0.13 | 6.10 | 3.99 | 0.62 | 6.41 | 6.28 | 1.52 | 4.14 |
| 25 | 0.81 | 0.14 | 5.93 | 3.95 | 0.63 | 6.23 | 6.21 | 1.54 | 4.02 |
| 26 | 0.80 | 0.14 | 5.76 | 3.90 | 0.64 | 6.06 | 6.14 | 1.57 | 3.91 |
| 27 | 0.79 | 0.14 | 5.60 | 3.86 | 0.66 | 5.89 | 6.06 | 1.59 | 3.81 |
| 28 | 0.78 | 0.14 | 5.45 | 3.81 | 0.67 | 5.73 | 5.99 | 1.62 | 3.70 |
| 29 | 0.78 | 0.15 | 5.30 | 3.77 | 0.68 | 5.57 | 5.92 | 1.65 | 3.60 |
| 30 | 0.77 | 0.15 | 5.16 | 3.72 | 0.69 | 5.42 | 5.85 | 1.67 | 3.50 |
| 31 | 0.76 | 0.15 | 5.02 | 3.68 | 0.70 | 5.27 | 5.78 | 1.70 | 3.41 |
| 32 | 0.75 | 0.15 | 4.88 | 3.63 | 0.71 | 5.13 | 5.71 | 1.72 | 3.32 |
| 33 | 0.74 | 0.16 | 4.75 | 3.59 | 0.72 | 4.99 | 5.64 | 1.75 | 3.23 |
| 34 | 0.73 | 0.16 | 4.62 | 3.54 | 0.73 | 4.86 | 5.57 | 1.77 | 3.14 |
| 35 | 0.72 | 0.16 | 4.50 | 3.50 | 0.74 | 4.73 | 5.50 | 1.80 | 3.06 |
| 36 | 0.71 | 0.16 | 4.38 | 3.46 | 0.75 | 4.60 | 5.43 | 1.83 | 2.97 |
| 37 | 0.70 | 0.16 | 4.26 | 3.41 | 0.76 | 4.48 | 5.36 | 1.85 | 2.89 |
| 38 | 0.69 | 0.17 | 4.15 | 3.37 | 0.77 | 4.36 | 5.29 | 1.88 | 2.82 |
| 39 | 0.68 | 0.17 | 4.04 | 3.32 | 0.78 | 4.24 | 5.22 | 1.90 | 2.74 |
| 40 | 0.67 | 0.17 | 3.93 | 3.28 | 0.79 | 4.13 | 5.15 | 1.93 | 2.67 |
| 41 | 0.66 | 0.17 | 3.82 | 3.23 | 0.80 | 4.02 | 5.08 | 1.95 | 2.60 |
| 42 | 0.66 | 0.18 | 3.72 | 3.19 | 0.81 | 3.91 | 5.01 | 1.98 | 2.53 |
| 43 | 0.65 | 0.18 | 3.62 | 3.14 | 0.82 | 3.81 | 4.94 | 2.01 | 2.46 |
| 44 | 0.64 | 0.18 | 3.53 | 3.10 | 0.84 | 3.71 | 4.86 | 2.03 | 2.39 |
| 45 | 0.63 | 0.18 | 3.43 | 3.05 | 0.85 | 3.61 | 4.79 | 2.06 | 2.33 |
| 46 | 0.62 | 0.19 | 3.34 | 3.01 | 0.86 | 3.51 | 4.72 | 2.08 | 2.27 |



Heating performance characteristic :

| Outside Temp (°C) | Min capacity | | | Nominal capacity | | | Max capacity | | |
|-------------------|--------------|------------|---------|------------------|------------|---------|--------------|------------|---------|
| | Capacit (kW) | Power (kW) | COF (-) | Capacit (kW) | Power (kW) | COF (-) | Capacit (kW) | Power (kW) | COF (-) |
| -30 | 0.27 | 0.11 | 2.56 | 1.50 | 0.52 | 2.88 | 3.20 | 1.45 | 2.21 |
| -29 | 0.28 | 0.11 | 2.58 | 1.58 | 0.54 | 2.90 | 3.38 | 1.52 | 2.22 |
| -28 | 0.30 | 0.12 | 2.59 | 1.66 | 0.57 | 2.92 | 3.56 | 1.59 | 2.24 |
| -27 | 0.31 | 0.12 | 2.61 | 1.75 | 0.60 | 2.94 | 3.74 | 1.66 | 2.25 |
| -26 | 0.33 | 0.13 | 2.63 | 1.83 | 0.62 | 2.95 | 3.92 | 1.73 | 2.27 |
| -25 | 0.35 | 0.13 | 2.64 | 1.92 | 0.65 | 2.97 | 4.10 | 1.80 | 2.28 |
| -24 | 0.36 | 0.13 | 2.64 | 1.97 | 0.66 | 2.97 | 4.22 | 1.85 | 2.28 |
| -23 | 0.37 | 0.14 | 2.65 | 2.03 | 0.68 | 2.98 | 4.34 | 1.90 | 2.28 |
| -22 | 0.38 | 0.14 | 2.65 | 2.09 | 0.70 | 2.98 | 4.46 | 1.95 | 2.29 |
| -21 | 0.39 | 0.15 | 2.65 | 2.14 | 0.72 | 2.99 | 4.58 | 2.00 | 2.29 |
| -20 | 0.40 | 0.15 | 2.66 | 2.20 | 0.73 | 2.99 | 4.70 | 2.05 | 2.29 |
| -19 | 0.40 | 0.15 | 2.67 | 2.24 | 0.75 | 3.01 | 4.80 | 2.08 | 2.31 |
| -18 | 0.41 | 0.15 | 2.69 | 2.29 | 0.76 | 3.03 | 4.90 | 2.11 | 2.32 |
| -17 | 0.42 | 0.16 | 2.71 | 2.34 | 0.77 | 3.05 | 5.00 | 2.14 | 2.34 |
| -16 | 0.43 | 0.16 | 2.72 | 2.38 | 0.78 | 3.06 | 5.10 | 2.17 | 2.35 |
| -15 | 0.44 | 0.16 | 2.74 | 2.43 | 0.79 | 3.08 | 5.20 | 2.20 | 2.36 |
| -14 | 0.45 | 0.16 | 2.76 | 2.49 | 0.80 | 3.11 | 5.32 | 2.23 | 2.39 |
| -13 | 0.46 | 0.16 | 2.79 | 2.54 | 0.81 | 3.14 | 5.44 | 2.26 | 2.41 |
| -12 | 0.47 | 0.17 | 2.81 | 2.60 | 0.82 | 3.17 | 5.56 | 2.29 | 2.43 |
| -11 | 0.48 | 0.17 | 2.84 | 2.66 | 0.83 | 3.19 | 5.68 | 2.32 | 2.45 |
| -10 | 0.49 | 0.17 | 2.86 | 2.71 | 0.84 | 3.22 | 5.80 | 2.35 | 2.47 |
| -9 | 0.49 | 0.17 | 2.92 | 2.73 | 0.83 | 3.28 | 5.83 | 2.32 | 2.52 |
| -8 | 0.49 | 0.17 | 2.98 | 2.74 | 0.82 | 3.35 | 5.87 | 2.28 | 2.57 |
| -7 | 0.50 | 0.16 | 3.04 | 2.76 | 0.81 | 3.42 | 5.90 | 2.25 | 2.62 |
| -6 | 0.50 | 0.16 | 3.10 | 2.77 | 0.79 | 3.49 | 5.93 | 2.22 | 2.68 |
| -5 | 0.50 | 0.16 | 3.17 | 2.79 | 0.78 | 3.56 | 5.97 | 2.18 | 2.73 |
| -4 | 0.50 | 0.16 | 3.23 | 2.81 | 0.77 | 3.64 | 6.00 | 2.15 | 2.79 |
| -3 | 0.51 | 0.15 | 3.30 | 2.82 | 0.76 | 3.72 | 6.03 | 2.12 | 2.85 |
| -2 | 0.51 | 0.15 | 3.37 | 2.84 | 0.75 | 3.80 | 6.07 | 2.08 | 2.91 |
| -1 | 0.51 | 0.15 | 3.45 | 2.85 | 0.73 | 3.88 | 6.10 | 2.05 | 2.98 |
| 0 | 0.52 | 0.15 | 3.52 | 2.87 | 0.72 | 3.97 | 6.13 | 2.02 | 3.04 |
| 1 | 0.52 | 0.14 | 3.60 | 2.88 | 0.71 | 4.05 | 6.17 | 1.98 | 3.11 |
| 2 | 0.52 | 0.14 | 3.68 | 2.90 | 0.70 | 4.15 | 6.20 | 1.95 | 3.18 |
| 3 | 0.58 | 0.15 | 3.94 | 2.95 | 0.71 | 4.16 | 6.35 | 2.04 | 3.11 |
| 4 | 0.63 | 0.15 | 4.18 | 2.99 | 0.72 | 4.17 | 6.50 | 2.14 | 3.04 |
| 5 | 0.68 | 0.16 | 4.40 | 3.04 | 0.73 | 4.18 | 6.65 | 2.23 | 2.98 |
| 6 | 0.70 | 0.16 | 4.45 | 3.90 | 0.78 | 5.01 | 7.50 | 2.53 | 2.96 |
| 7 | 0.72 | 0.16 | 4.50 | 4.00 | 0.79 | 5.06 | 7.70 | 2.60 | 2.96 |
| 8 | 0.74 | 0.16 | 4.55 | 4.10 | 0.80 | 5.11 | 7.90 | 2.64 | 2.99 |
| 9 | 0.76 | 0.16 | 4.59 | 4.21 | 0.81 | 5.16 | 8.10 | 2.68 | 3.02 |
| 10 | 0.78 | 0.17 | 4.63 | 4.31 | 0.83 | 5.21 | 8.30 | 2.72 | 3.05 |
| 11 | 0.79 | 0.17 | 4.67 | 4.41 | 0.84 | 5.26 | 8.49 | 2.76 | 3.08 |
| 12 | 0.81 | 0.17 | 4.72 | 4.52 | 0.85 | 5.31 | 8.69 | 2.80 | 3.10 |
| 13 | 0.83 | 0.17 | 4.76 | 4.62 | 0.86 | 5.35 | 8.89 | 2.84 | 3.13 |
| 14 | 0.85 | 0.18 | 4.79 | 4.72 | 0.88 | 5.39 | 9.09 | 2.88 | 3.15 |
| 15 | 0.87 | 0.18 | 4.83 | 4.83 | 0.89 | 5.44 | 9.29 | 2.92 | 3.18 |
| 16 | 0.89 | 0.18 | 4.87 | 4.93 | 0.90 | 5.48 | 9.46 | 2.95 | 3.21 |
| 17 | 0.91 | 0.18 | 4.90 | 5.03 | 0.91 | 5.52 | 9.69 | 3.00 | 3.23 |
| 18 | 0.92 | 0.19 | 4.94 | 5.14 | 0.92 | 5.55 | 9.89 | 3.04 | 3.25 |
| 19 | 0.94 | 0.19 | 4.97 | 5.24 | 0.94 | 5.59 | 10.03 | 3.06 | 3.28 |
| 20 | 0.96 | 0.19 | 5.00 | 5.34 | 0.95 | 5.63 | 10.14 | 3.06 | 3.31 |
| 21 | 0.98 | 0.19 | 5.03 | 5.45 | 0.96 | 5.66 | 10.24 | 3.06 | 3.35 |
| 22 | 1.00 | 0.20 | 5.07 | 5.55 | 0.97 | 5.70 | 10.35 | 3.06 | 3.38 |
| 23 | 1.02 | 0.20 | 5.10 | 5.65 | 0.99 | 5.73 | 10.45 | 3.06 | 3.42 |
| 24 | 1.04 | 0.20 | 5.13 | 5.75 | 1.00 | 5.77 | 10.55 | 3.06 | 3.45 |



11. Accessories

Standard RC : WH-UD01UE, WH-UD02UE

| Appearance | Remote control features |
|------------|---|
| | <ul style="list-style-type: none"> ① Infrared signal emitter ② Start/Stop button ③ Mode select button ④ Temperature button ⑤ Fan speed button ⑥ Menu select button ⑦ Swing louver button ⑧ Exit button ⑨ Set louver Up-Down button ⑩ Set louver Left-Right button ⑪ Check button* <p>*Check button under battery cover</p> |

Accessory RC : RB-RXS33-E

| Appearance | Remote control features |
|------------|--|
| | <ul style="list-style-type: none"> 1 Infrared signal emitter 2 Memory and Preset button (PRESET) 3 Start/Stop button 4 Mode select button (MODE) 5 Air flow/HADA CARE FLOW button 6 Fireplace/8°C button 7 ECO button 8 Comfort sleep button (COMFORT SLEEP) 9 Weekly timer (ON/OFF) ! Temp for Weekly timer " On timer button (ON) # Set clock button (CLOCK) \$ Check button (CHECK) % Filter reset button (FILTER) & Temperature button (TEMP) () Swing louver button (SWING)) Fan speed button (FAN) ~ Set louver button (FIX) + High power button (Hi POWER) - Power selection/Silent button (P-SEL/SILENT) . Program P1 - P4 / Day/Edit button SET Setup button (SET) : Off timer button (OFF) ; Clear button (CLR) < Reset button (RESET) |

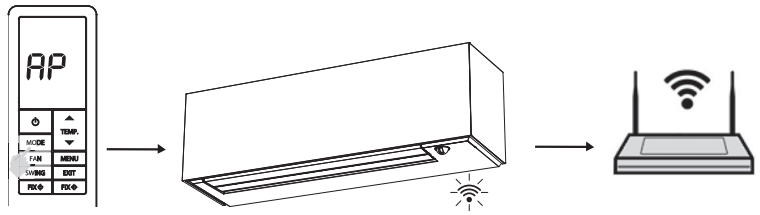
Toshiba Home AC Control application support



iOS : 9.0 or later.



Android : Version 5.0 or later.



Active Wireless adapter by Remote controller.

Toshiba Home AC Control application

Home screen

Weekly schedule

Setting

Menu

- All AC On/Off
- Group AC On/Off
- Each AC On/Off
- Group name
- AC device is offline
- Notification ERROR code description (pop up)
- Energy Monitoring
- Service Function
- Message
- Add AC
- Sub menu all AC
 - Add Group
 - Delete Group
 - Operation Setting
- Sub menu group
 - Select AC
 - Change Name
 - Operation Setting
- Sub menu AC
 - Operation Setting
 - Change Name
 - Delete AC
- Setting temperature / Actual room temp
- Current operation mode of each AC

Energy Monitoring

- Cost Calculator 0.1 EUR/kWh
- Display
- Export Data
- Clear Data

Service Function

- Service

Message

- All
- News
- Promotion
- This is Subject of test Promotion Message
- This is body of test message 2
- This is Subject of test Promotion Message
- This is body of test message 2
- This is Subject of test Promotion Message
- This is body of test message 2

Setting in operation mode

Mode select

Tab for select AC

Weekly schedule

OFF-ON Timer set 0.5 - 12 Hrs.

Smart Sensing set

On Smart sensing

Temperature set

Indoor temperature

Outdoor temperature

Fan speed

Louver set

Select Direct/Indirect or Motion Tracking

Special feature

On timer set from Off mode only

Off mode

Note : The Motion Tracking operation is the same as the Occupancy operation in the remote controller.

Summary features

| | Model code | Strong Defrost | Smart Sensing | Pure | Hi power | Silent CDU | Power select | Eco logic | Fix vertical | Swing vertical | Fix Horizontal | Swing Horizontal | 3D airflow (Swing V&H) | HADA care |
|-------------|------------------------|----------------|---------------|------|----------|------------|--------------|-----------|--------------|----------------|----------------|------------------|------------------------|-----------|
| Standard RC | WH-UD01UE WH-UD02UE | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Option RC | RB-RXS33-E | X | X | X | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | X | ✓ | ✓ | ✓ |
| Wi-Fi App | Built-In | X | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | X | ✓ | ✓ | ✓ |

| | Model code | Preset | Fan speed | Quiet FCU | 8° C | Fire place | Off timer (0.5, 1-12hrs.) | 24 Hrs. on-off timer | Weekly timer | On demand defrost | FCU led Dim | Comfort sleep | Backlight display | Luminous button | Wired connectable RC |
|-------------|------------------------|--------|-----------|-----------|---------|------------|---------------------------|----------------------|--------------|-------------------|-------------|---------------|-------------------|-----------------|----------------------|
| Standard RC | WH-UD01UE WH-UD02UE | X | ✓ | ✓ | ✓5-30°C | ✓ | ✓ | X | X | ✓ | ✓ | X | ✓ | X | X |
| Option RC | RB-RXS33-E | ✓ | ✓ | ✓ | ✓ | ✓ | X | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Wi-Fi App | Built-In | X | ✓ | ✓ | ✓ | ✓ | ✓ | X | ✓ | X | X | X | | | |

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