

## 2. Specification

### 2-1. Outdoor units

| Type                                       |                          |                |             | FREE JOINT MULTI   | FREE JOINT MULTI   | FREE JOINT MULTI   |   |
|--------------------------------------------|--------------------------|----------------|-------------|--------------------|--------------------|--------------------|---|
| Model Name                                 |                          |                |             | AJ040TXJ2KG/EU     | AJ050TXJ2KG/EU     | AJ052TXJ3KG/EU     |   |
| Power Supply                               |                          |                | Φ, #, V, Hz | 1,220-240,50       | 1,220-240,50       | 1,220-240,50       |   |
| Mode                                       |                          |                | -           | HEAT PUMP          | HEAT PUMP          | HEAT PUMP          |   |
| Performance                                | Capacity                 | Cooling        | kW          | 4.00               | 5.00               | 5.2                |   |
|                                            |                          |                | Btu/h       | 13,600             | 17,100             | 17,700             |   |
|                                            |                          | Heating        | kW          | 4.20               | 5.60               | 6.30               |   |
|                                            |                          |                | Btu/h       | 14,300             | 19,100             | 21,500             |   |
| Maximum number of connectable Indoor Units |                          |                | EA          | 2                  | 2                  | 3                  |   |
| Power                                      | Power Input (Nominal)    | Cooling        | kW          | 0.90               | 1.22               | 1.25               |   |
|                                            |                          | Heating        |             | 0.90               | 1.28               | 1.32               |   |
|                                            | Current Input (Nominal)  | Cooling        | A           | 4.10               | 5.60               | 5.50               |   |
|                                            |                          | Heating        |             | 4.10               | 5.90               | 6.10               |   |
|                                            | Current                  | MCA            | A           | 9.80               | 11.80              | 11.90              |   |
|                                            |                          | MFA            | A           | 11.25              | 13.75              | 13.75              |   |
| Efficiency                                 | EER                      | Cooling        | W/W         | 4.44               | 4.10               | 4.16               |   |
|                                            | COP                      | Heating        | W/W         | 4.67               | 4.38               | 4.77               |   |
|                                            | SEER (Grade)             |                | W/W         | 8.54(A+++)         | 8.54(A+++)         | 8.51(A+++)         |   |
|                                            | SCOP (Grade)             |                | W/W         | 4.64(A++)          | 4.64(A++)          | 4.60(A++)          |   |
| Casing                                     | Material                 | Body           | -           | GI steel plate     | GI steel plate     | GI steel plate     |   |
|                                            |                          | Base           | -           | GI steel plate     | GI steel plate     | GI steel plate     |   |
| Heat Exchanger                             | Type                     |                | -           | Fin & Tube         | Fin & Tube         | Fin & Tube         |   |
|                                            | Material                 | Fin            | -           | Al                 | Al                 | Al                 |   |
|                                            |                          | Tube           | -           | Cu                 | Cu                 | Cu                 |   |
|                                            | Fin Treatment            |                | -           | Anti-Corrosion     | Anti-Corrosion     | Anti-Corrosion     |   |
| Compressor                                 | Type                     |                | -           | Twin BLDC Rotary   | Twin BLDC Rotary   | Twin BLDC Rotary   |   |
|                                            | Output                   |                | kW x n      | 4.09 x 1           | 4.09 x 1           | 4.68 x 1           |   |
|                                            | Model Name               |                | -           | KTN130D42UFR       | KTN130D42UFR       | KTN150D42UFR       |   |
|                                            | Oil                      | Type           | -           | ESTER OIL VG74     | ESTER OIL VG74     | ESTER OIL VG74     |   |
|                                            |                          | Initial Charge | cc          | 350                | 350                | 450                |   |
| Fan                                        | Type                     |                | -           | Propeller Fan      | Propeller Fan      | Propeller Fan      |   |
|                                            | Discharge direction      |                | -           | Front (Horizontal) | Front (Horizontal) | Front (Horizontal) |   |
|                                            | Quantity                 |                | EA          | 1                  | 1                  | 1                  |   |
|                                            | Air Flow Rate            |                | m³/min      | 29.7               | 33.1               | 38.0               |   |
|                                            |                          |                | l/s         | 494                | 551                | 633                |   |
|                                            | External Static Pressure |                | Max.        | mmAq               | -                  | -                  | - |
|                                            |                          |                |             | Pa                 | -                  | -                  | - |
| Fan Motor                                  | Type                     |                | -           | BLDC               | BLDC               | BLDC               |   |
|                                            | Output x n               |                | W           | 40 x 1             | 40 x 1             | 125 x 1            |   |

## 2. Specification

| Type                  |                             |         |                     |                    | FREE JOINT MULTI        | FREE JOINT MULTI        | FREE JOINT MULTI        |
|-----------------------|-----------------------------|---------|---------------------|--------------------|-------------------------|-------------------------|-------------------------|
| Model Name            |                             |         |                     |                    | AJ040TXJ2KG/EU          | AJ050TXJ2KG/EU          | AJ052TXJ3KG/EU          |
| Piping Connections    | Liquid Pipe                 |         |                     | Type               | Flare connection        | Flare connection        | Flare connection        |
|                       |                             |         |                     | Φ, mm x EA         | 6.35 x 2                | 6.35 x 2                | 6.35 x 3                |
|                       |                             |         |                     | Φ, inch x EA       | 1/4 x 2                 | 1/4 x 2                 | 1/4 x 3                 |
|                       | Gas Pipe                    |         |                     | Type               | Flare connection        | Flare connection        | Flare connection        |
|                       |                             |         |                     | Φ, mm x EA         | 9.52 x 2                | 9.52 + 12.70            | 9.52 x 2 + 12.70        |
|                       |                             |         |                     | Φ, inch x EA       | 3/8 x 2                 | 3/8 + 1/2               | 3/8 x 2 + 1/2           |
|                       | Heat insulation             |         |                     |                    | Both Liquid & Gas pipes | Both Liquid & Gas pipes | Both Liquid & Gas pipes |
|                       | Installation Limitation     | Length  | Total Piping Length | m                  | 30                      | 30                      | 50                      |
|                       |                             |         | Max. Length (OD~ID) | m                  | 20                      | 20                      | 25                      |
|                       |                             | Height  | Max. Height (OD~ID) | m                  | 15                      | 15                      | 15                      |
|                       |                             |         | Max. Height (ID~ID) | m                  | 7.5                     | 7.5                     | 7.5                     |
| Wiring Connections    | Communication               | Min.    |                     | mm <sup>2</sup>    | 0.75                    | 0.75                    | 0.75                    |
|                       |                             | Remark  |                     | -                  | F1, F2                  | F1, F2                  | F1, F2                  |
| Refrigerant           | Type                        |         |                     | -                  | R32                     | R32                     | R32                     |
|                       | Factory Charging            |         |                     | kg                 | 0.98                    | 1.18                    | 1.55                    |
|                       |                             |         |                     | tCO <sub>2</sub> e | 0.66                    | 0.80                    | 1.05                    |
| Sound                 | Sound Pressure              | Cooling |                     | dB(A)              | 45                      | 46                      | 46                      |
|                       |                             | Heating |                     |                    | 46                      | 47                      | 48                      |
|                       | Sound Power                 |         |                     | dBA                | 60                      | 61                      | 61                      |
| External Dimension    | Net Weight                  |         |                     | kg                 | 32.0                    | 33.0                    | 44.5                    |
|                       | Shipping Weight             |         |                     | kg                 | 34.0                    | 35.0                    | 47.5                    |
|                       | Net Dimensions (WxHxD)      |         |                     | mm                 | 790 x 548 x 285         | 790 x 548 x 285         | 880 x 638 x 310         |
|                       | Shipping Dimensions (WxHxD) |         |                     | mm                 | 913 x 622 x 371         | 913 x 622 x 371         | 1,023 x 742 x 413       |
| Operating Temp. Range | Cooling                     |         |                     | °C                 | -10.0 ~ 46.0            | -10.0 ~ 46.0            | -10.0 ~ 46.0            |
|                       | Heating                     |         |                     | °C                 | -15.0 ~ 24.0            | -15.0 ~ 24.0            | -15.0 ~ 24.0            |

### NOTE

- Specifications may be subject to change without prior notice.
- 1)\* Capacities are based on (Equivalent refrigerant piping : 5m, Level differences : 0m)
  - Cooling : Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB, 24°C WB
  - Heating : Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB
- 2)\* Select wire size based on the value of MCA
- 3)\* Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20uPa
- 4)\* Sound power level is an absolute value that a sound source generates.
  - dBA = A-weighted sound power level
  - Reference power : 1pW
  - Measured according to ISO 3741
- 5)\* These products contain R32 (GWP=675) which is fluorinated greenhouse gas.

### 3. Electric Characteristics

| Capacity<br>(Cooling)<br>kW | Model          | Power Supply |         | Voltage Range  |                | Nominal Running<br>Current [A] |         | Current [A] |       | ODU<br>Fan<br>Motor |
|-----------------------------|----------------|--------------|---------|----------------|----------------|--------------------------------|---------|-------------|-------|---------------------|
|                             |                | Hz           | Voltage | Min.<br>(-15%) | Max.<br>(+15%) |                                |         |             |       |                     |
|                             |                |              |         |                |                | Cooling                        | Heating | MCA         | MFA   | kW                  |
| 4.0                         | AJ040TXJ2KG/EU | 50           | 220~240 | 198            | 264            | 4.1                            | 4.1     | 9.8         | 11.25 | 0.04                |
| 5.0                         | AJ050TXJ2KG/EU | 50           | 220~240 | 198            | 264            | 5.6                            | 5.9     | 11.8        | 13.75 | 0.04                |
| 5.2                         | AJ052TXJ3KG/EU | 50           | 220~240 | 198            | 264            | 5.5                            | 6.1     | 11.9        | 13.75 | 0.125               |
| 6.8                         | AJ068TXJ3KG/EU | 50           | 220~240 | 198            | 264            | 8.1                            | 8.2     | 17.5        | 20.75 | 0.125               |
| 8.0                         | AJ080TXJ4KG/EU | 50           | 220~240 | 198            | 264            | 8.9                            | 9.5     | 17.8        | 20.75 | 0.125               |
| 10.0                        | AJ100TXJ5KG/EU | 50           | 220~240 | 198            | 264            | 12.2                           | 12.8    | 24.5        | 28.75 | 0.125               |



#### NOTE

- MCA : Minimum circuit amperes
- MFA : Maximum fuse amperes
- Select wire size based on the value of MCA

## 4. Combination Table

### 4-1 AJ040TXJ2KG/EU

#### COOLING

| Outdoor unit |        | A | B  | Cooling Capacity |      | Capacity |      |      | Power Consumption |     |      | Current |     |     | Effic. NOM. Cooling. At 35°C/27°C | SEASONAL EFFICIENCY (ACCORDING EN14825) | SEER | Qce |
|--------------|--------|---|----|------------------|------|----------|------|------|-------------------|-----|------|---------|-----|-----|-----------------------------------|-----------------------------------------|------|-----|
|              |        |   |    | W                |      | W        |      |      | W                 |     |      | A       |     |     |                                   |                                         |      | kWh |
|              |        |   |    | A                | B    | MIN      | STD  | MAX  | MIN               | STD | MAX  | MIN     | STD | MAX | EER                               | Class                                   |      |     |
| AJ040TXJ2KG  | 2 Unit | 7 | 7  | 2000             | 2000 | 1300     | 4000 | 4700 | 300               | 900 | 1250 | 1.7     | 4.1 | 5.7 | 4.44                              | A+++                                    | 8.54 | 164 |
|              |        | 7 | 9  | 1780             | 2220 | 1300     | 4000 | 4700 | 350               | 920 | 1270 | 1.9     | 4.2 | 5.8 | 4.35                              | A+++                                    | 8.51 | 165 |
|              |        | 7 | 12 | 1450             | 2550 | 1300     | 4000 | 4700 | 350               | 930 | 1280 | 1.9     | 4.3 | 5.9 | 4.3                               | A+++                                    | 8.51 | 165 |
|              |        | 9 | 9  | 2000             | 2000 | 1300     | 4000 | 4700 | 350               | 940 | 1290 | 1.9     | 4.3 | 5.9 | 4.26                              | A+++                                    | 8.51 | 165 |
|              |        | 9 | 12 | 1670             | 2330 | 1300     | 4000 | 4700 | 350               | 950 | 1300 | 1.9     | 4.3 | 5.9 | 4.21                              | A+++                                    | 8.51 | 165 |

#### HEATING

| Outdoor unit |        | A | B  | Heating Capacity |      | Capacity |      |      | Power Consumption |     |      | Current |     |     | Effic. NOM. Heating. At 7°C/20°C | SEASONAL EFFICIENCY (ACCORDING EN14825) | SCOP | P design | Qhe |
|--------------|--------|---|----|------------------|------|----------|------|------|-------------------|-----|------|---------|-----|-----|----------------------------------|-----------------------------------------|------|----------|-----|
|              |        |   |    | W                |      | W        |      |      | W                 |     |      | A       |     |     |                                  |                                         |      | kW       | kWh |
|              |        |   |    | A                | B    | MIN      | STD  | MAX  | MIN               | STD | MAX  | MIN     | STD | MAX | COP                              | Class                                   |      |          |     |
| AJ040TXJ2KG  | 2 Unit | 7 | 7  | 2100             | 2100 | 1000     | 4200 | 4700 | 280               | 900 | 1180 | 1.4     | 4.1 | 5.4 | 4.67                             | A++                                     | 4.64 | 3.05     | 922 |
|              |        | 7 | 9  | 1840             | 2360 | 1000     | 4200 | 4700 | 280               | 920 | 1190 | 1.4     | 4.2 | 5.4 | 4.57                             | A++                                     | 4.61 | 3.05     | 927 |
|              |        | 7 | 12 | 1550             | 2650 | 1000     | 4200 | 4700 | 280               | 930 | 1200 | 1.4     | 4.3 | 5.5 | 4.52                             | A++                                     | 4.61 | 3.05     | 927 |
|              |        | 9 | 9  | 2100             | 2100 | 1000     | 4200 | 4700 | 280               | 940 | 1210 | 1.4     | 4.3 | 5.5 | 4.47                             | A++                                     | 4.61 | 3.05     | 927 |
|              |        | 9 | 12 | 1800             | 2400 | 1000     | 4200 | 4700 | 280               | 950 | 1220 | 1.4     | 4.3 | 5.6 | 4.42                             | A++                                     | 4.61 | 3.05     | 927 |

#### NOTE

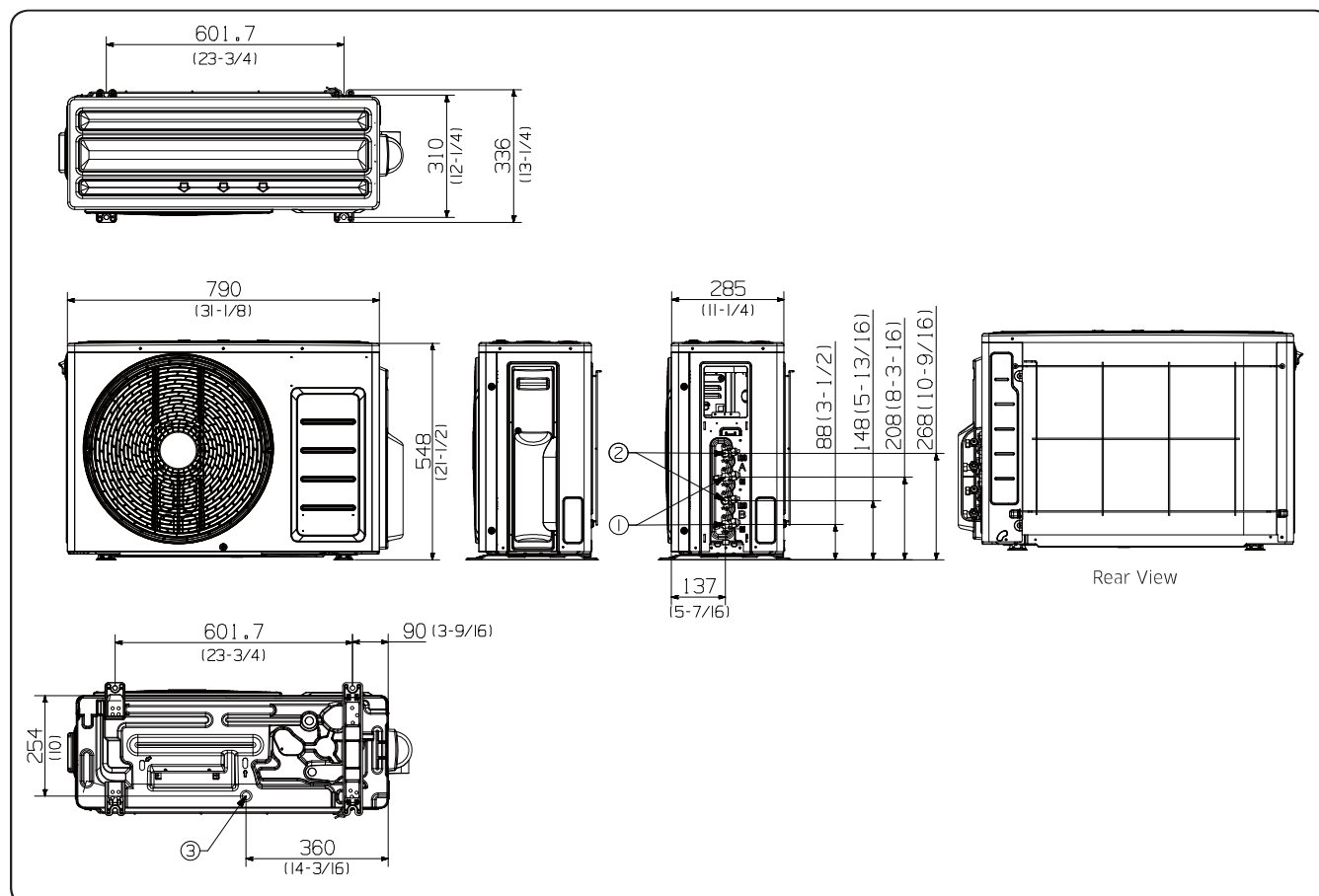
- 1 EER and COP declared only for the purpose of tax deductions in force at the time of the creation of this catalog.
- 2 The above is the value for connecting with the following indoor units.
  - Wind Free(PRM) : AR07TXCAAWK, AR09TXCAAWK, AR12TXCAAWK
- 3 You can not connect a single unit.
- 4 Power consumption include indoor unit power.

## 5. Dimensional Drawing

### 5-1. Outdoor units

- AJ040TXJ2KG/EU, AJ050TXJ2KG/EU

Unit : mm [inches]



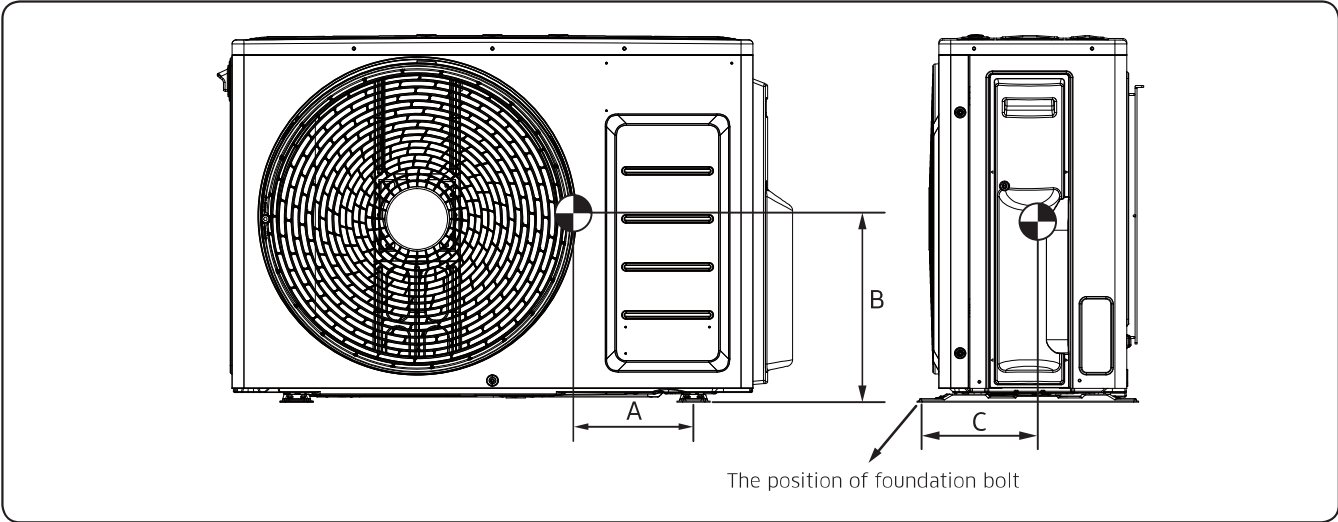
| NO | Name                    | Description                              |
|----|-------------------------|------------------------------------------|
| 1  | Refrigerant gas pipe    | Φ9.52 (Φ3/8) X 2EA                       |
| 2  | Refrigerant liquid pipe | Φ6.35 (Φ1/4) X 2EA                       |
| 3  | Drain hole              | Connection with the provided drain plug. |

# 6. Center of Gravity

## 6-1. Outdoor unit

1 AJ040TXJ2KG/EU, AJ050TXJ2KG/EU, AJ052TXJ3KG/EU

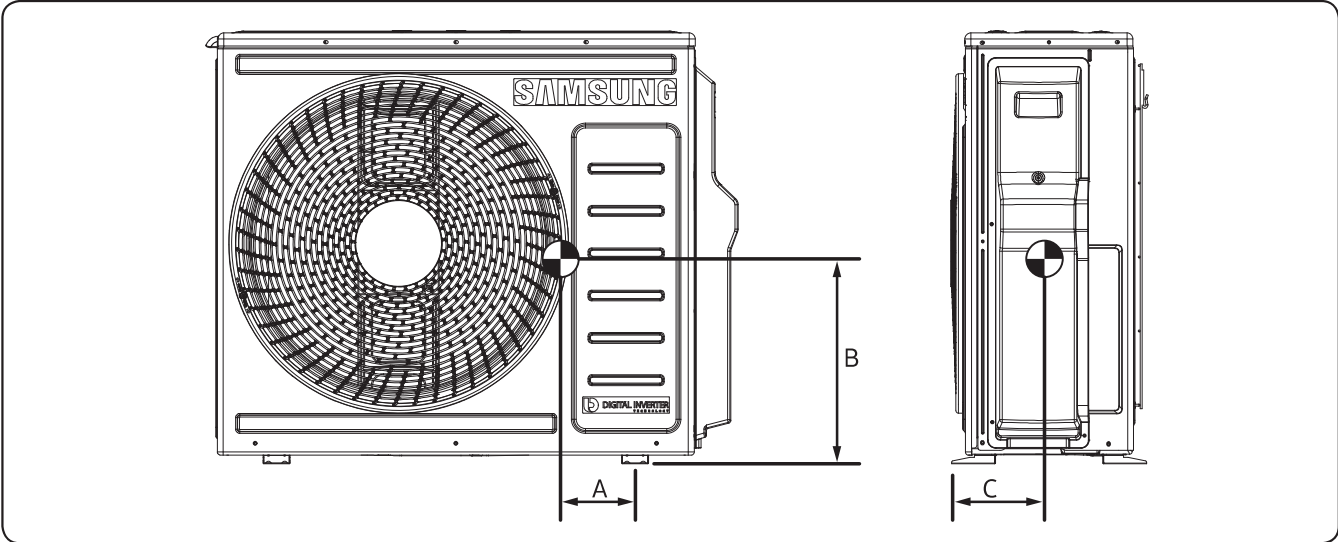
Unit : mm



| Model                            | A   | B   | C   |
|----------------------------------|-----|-----|-----|
| AJ040TXJ2KG/EU<br>AJ050TXJ2KG/EU | 232 | 223 | 165 |
| AJ052TXJ3KG/EU                   | 219 | 289 | 150 |

2 AJ068TXJ3KG/EU, AJ080TXJ4KG/EU

Unit : mm

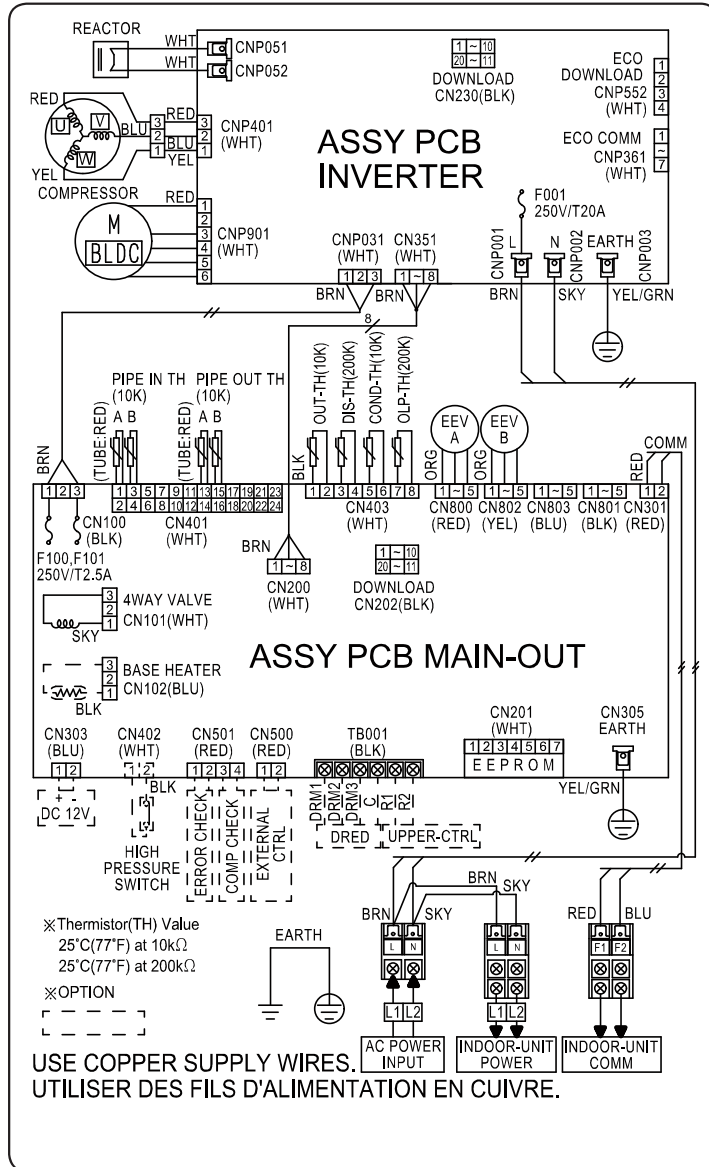


| Model                            | A   | B   | C   |
|----------------------------------|-----|-----|-----|
| AJ068TXJ3KG/EU<br>AJ080TXJ4KG/EU | 159 | 327 | 153 |

# 7. Electrical Wiring Diagram

## 7-1 Outdoor unit

1 AJ040/050TXJ2KG/EU



|                          |                                            |
|--------------------------|--------------------------------------------|
| <b>ASSY PCB INVERTER</b> | Printed circuit board(Inverter PBA)        |
| <b>ASSY PCB MAIN</b>     | Printed circuit board(Main PBA)            |
| <b>F001(250V/T30A)</b>   | Fuse(Inverter PBA)                         |
| <b>F100(250V/T2.5A)</b>  | Fuse(Main PBA)                             |
| <b>F101(250V/T2.5A)</b>  | Fuse(Main PBA)                             |
| <b>OUT-TH</b>            | Thermistor(Ambient Temp. - 10kohm)         |
| <b>DIS-TH</b>            | Thermistor(Discharge Temp. - 200kohm)      |
| <b>COND-TH</b>           | Thermistor(Condensor Temp. - 10kohm)       |
| <b>OLP-TH</b>            | Thermistor(Compressor Top Temp. - 200kohm) |
| <b>PIPE IN TH - A</b>    | Thermistor(A Pipe In Temp. - 10kohm)       |
| <b>PIPE IN TH - B</b>    | Thermistor(B Pipe In Temp. - 10kohm)       |
| <b>PIPE OUT TH - A</b>   | Thermistor(A Pipe Out Temp. - 10kohm)      |
| <b>PIPE OUT TH - B</b>   | Thermistor(B Pipe Out Temp. - 10kohm)      |
| <b>EEV - A</b>           | Electronic Expansion Valve A               |
| <b>EEV - B</b>           | Electronic Expansion Valve B               |
| <b>COMPRESSOR</b>        | Motor(Compressor)                          |
| <b>M-BLDC</b>            | Motor(FAN)                                 |
| <b>4WAY VALVE</b>        | Solenoid Valve(4Way)                       |
| <b>BASE HEATER</b>       | Heating Wire                               |

### NOTE

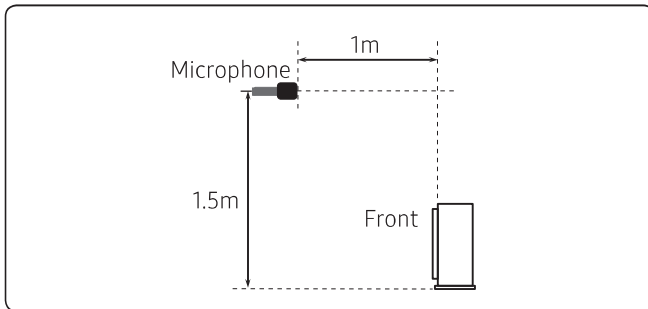
- This wiring diagram applies only to the outdoor unit.
- Colors BLK : black, BRN : brown, SKY-BLU : sky-blue, GRN/YEL : green/yellow, RED : red, YEL : yellow, ORG : orange, BLU : blue, WHT: white
- For connection wiring indoor-outdoor transmission, refer to the installation manual
- Protective earth(screw)

# 8. Sound Data

## Sound Pressure level

### 8-1. Outdoor unit

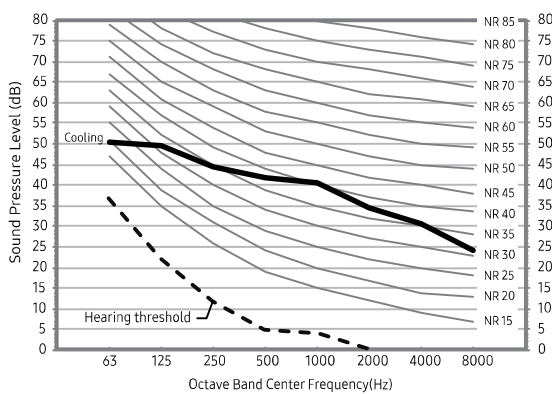
Unit: dB(A)



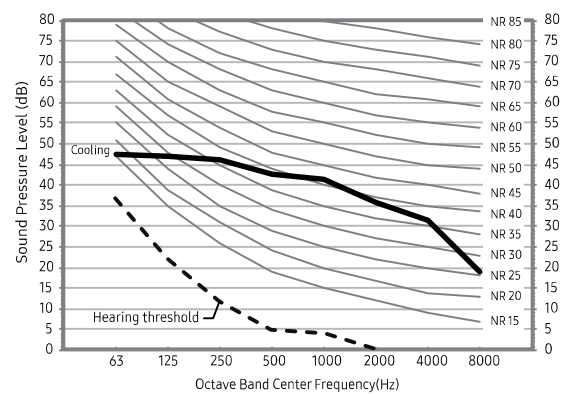
| Model          | Cooling | Heating |
|----------------|---------|---------|
| AJ040TXJ2KG/EU | 45      | 46      |
| AJ050TXJ2KG/EU | 46      | 47      |
| AJ052TXJ3KG/EU | 46      | 48      |

#### • NR Curve

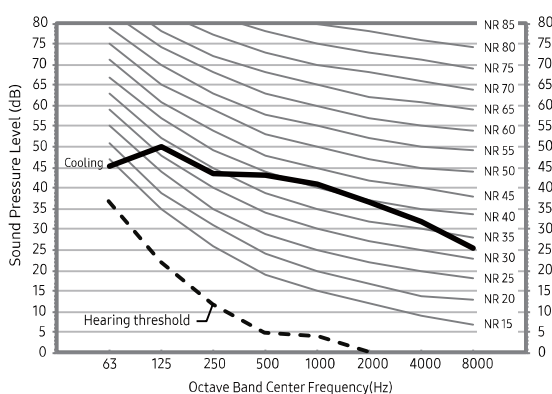
##### 1) AJ040TXJ2KG/EU



##### 2) AJ050TXJ2KG/EU



##### 3) AJ052TXJ3KG/EU



#### NOTE

- Specifications may be subject to change without prior notice
  - Sound pressure level is obtained in an anechoic room.
  - Sound pressure level is a relative value, depending on the distance and acoustic environment.
  - Sound pressure level may differ depending on operation condition.
  - dBA = A-weighted sound pressure level
  - Reference acoustic pressure 0 dB = 20μPa



# 8. Sound Data

## Sound Power level

### 8-3. Outdoor unit

Unit: dB(A)

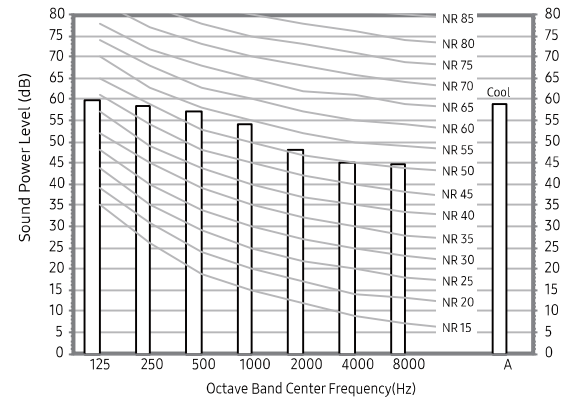


#### NOTE

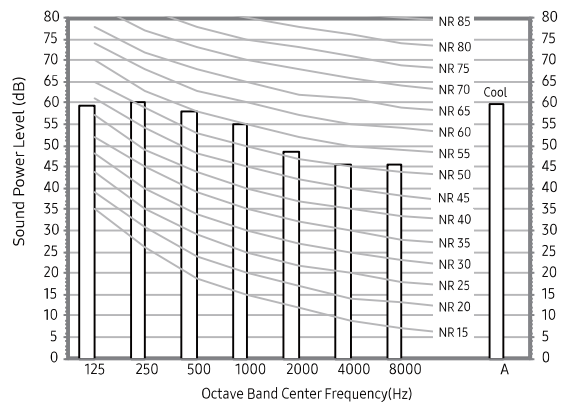
- Specifications may be subject to change without prior notice
  - Sound power level is an absolute value that a sound source generates.
  - dB(A) = A-weighted sound power level.
  - Reference power : 1pW.
  - Measured according to ISO 3741.

| Model          | Cooling |
|----------------|---------|
| AJ040TXJ2KG/EU | 45      |
| AJ050TXJ2KG/EU | 46      |
| AJ052TXJ3KG/EU | 46      |

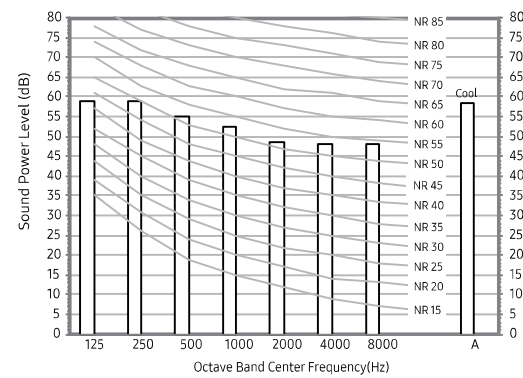
1) AJ040TXJ2KG/EU



2) AJ050TXJ2KG/EU



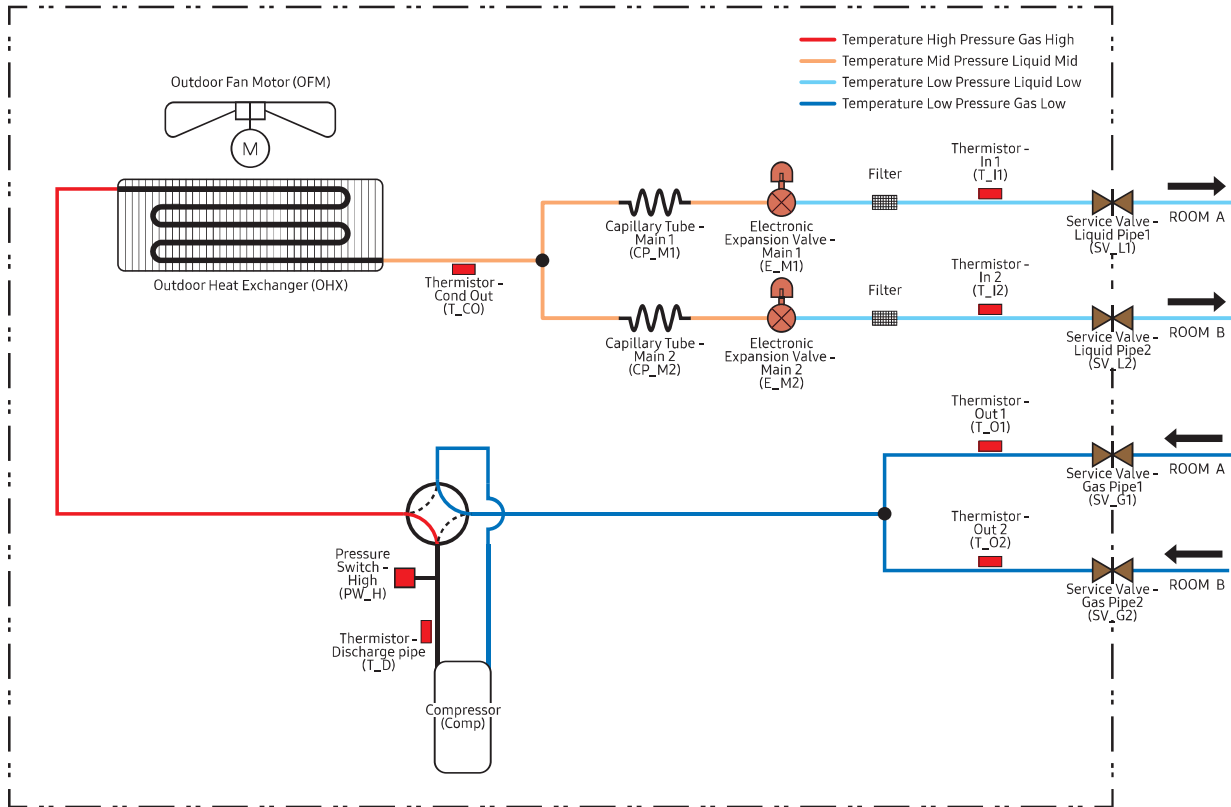
3) AJ052TXJ3KG/EU



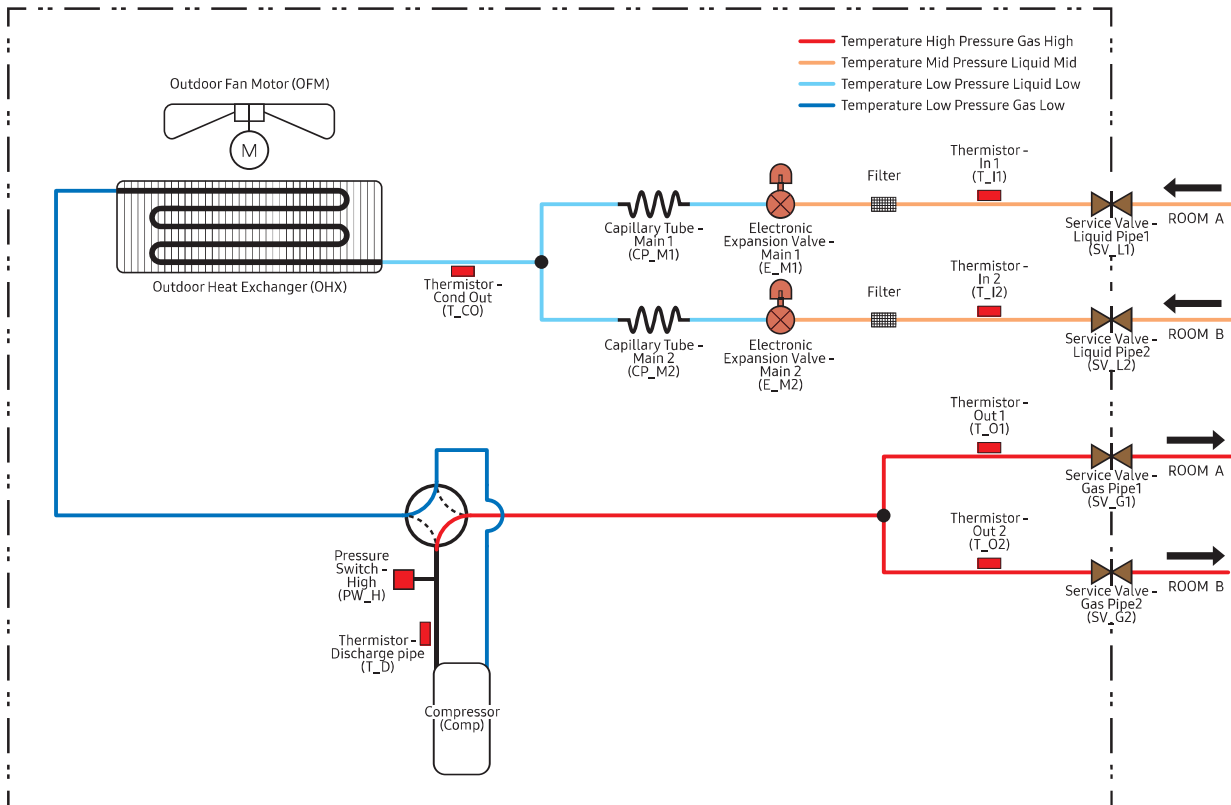
# 11. Piping Diagram

AJ040TXJ2KG/EU, AJ050TXJ2KG/EU

Cooling System



Heating System



# 12. Capacity Table

## 12-1. AJ040TXJ2KG/EU

### Cooling

| Combination<br>(Capacity Index) |  |  |  | Combination<br>(Total) | Combination<br>(%) | Outdoor<br>Temperature<br>(°C,DB) | Indoor Temperature(°C, WB) |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------------------------|--|--|--|------------------------|--------------------|-----------------------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                 |  |  |  |                        |                    |                                   | 14                         |        | 16     |        | 18     |        | 19     |        | 20     |        | 22     |        | 24     |        |
|                                 |  |  |  |                        |                    |                                   | TC(kW)                     | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) |
| 2000                            |  |  |  | 2000                   | 50%                | 10                                | 1.68                       | 0.31   | 2.43   | 0.35   | 2.54   | 0.38   | 2.59   | 0.39   | 2.64   | 0.40   | 2.74   | 0.42   | 2.85   | 0.44   |
|                                 |  |  |  |                        |                    | 12                                | 1.68                       | 0.33   | 2.39   | 0.36   | 2.50   | 0.39   | 2.55   | 0.40   | 2.60   | 0.41   | 2.70   | 0.43   | 2.81   | 0.45   |
|                                 |  |  |  |                        |                    | 14                                | 1.68                       | 0.34   | 2.36   | 0.37   | 2.46   | 0.40   | 2.51   | 0.41   | 2.56   | 0.42   | 2.66   | 0.44   | 2.76   | 0.45   |
|                                 |  |  |  |                        |                    | 16                                | 1.68                       | 0.36   | 2.32   | 0.39   | 2.42   | 0.41   | 2.47   | 0.43   | 2.52   | 0.44   | 2.62   | 0.45   | 2.72   | 0.46   |
|                                 |  |  |  |                        |                    | 18                                | 1.68                       | 0.37   | 2.28   | 0.40   | 2.38   | 0.43   | 2.43   | 0.44   | 2.48   | 0.45   | 2.58   | 0.46   | 2.68   | 0.47   |
|                                 |  |  |  |                        |                    | 20                                | 1.68                       | 0.39   | 2.24   | 0.41   | 2.34   | 0.44   | 2.39   | 0.45   | 2.44   | 0.46   | 2.54   | 0.47   | 2.64   | 0.48   |
|                                 |  |  |  |                        |                    | 21                                | 1.68                       | 0.39   | 2.22   | 0.42   | 2.32   | 0.45   | 2.37   | 0.46   | 2.42   | 0.46   | 2.52   | 0.48   | 2.62   | 0.49   |
|                                 |  |  |  |                        |                    | 23                                | 1.68                       | 0.41   | 2.18   | 0.44   | 2.28   | 0.46   | 2.33   | 0.47   | 2.38   | 0.48   | 2.48   | 0.49   | 2.58   | 0.50   |
|                                 |  |  |  |                        |                    | 25                                | 1.68                       | 0.42   | 2.15   | 0.45   | 2.24   | 0.47   | 2.29   | 0.48   | 2.34   | 0.49   | 2.44   | 0.50   | 2.54   | 0.51   |
|                                 |  |  |  |                        |                    | 27                                | 1.68                       | 0.44   | 2.11   | 0.47   | 2.20   | 0.49   | 2.25   | 0.49   | 2.30   | 0.50   | 2.40   | 0.51   | 2.50   | 0.52   |
|                                 |  |  |  |                        |                    | 29                                | 1.68                       | 0.46   | 2.07   | 0.48   | 2.17   | 0.50   | 2.21   | 0.51   | 2.26   | 0.51   | 2.36   | 0.52   | 2.46   | 0.53   |
|                                 |  |  |  |                        |                    | 31                                | 1.68                       | 0.47   | 2.03   | 0.50   | 2.13   | 0.51   | 2.18   | 0.52   | 2.22   | 0.53   | 2.32   | 0.53   | 2.42   | 0.54   |
|                                 |  |  |  |                        |                    | 33                                | 1.68                       | 0.49   | 1.99   | 0.51   | 2.09   | 0.53   | 2.14   | 0.53   | 2.19   | 0.54   | 2.28   | 0.55   | 2.38   | 0.55   |
|                                 |  |  |  |                        |                    | 35                                | 1.68                       | 0.51   | 1.96   | 0.53   | 2.05   | 0.54   | 2.10   | 0.54   | 2.15   | 0.55   | 2.24   | 0.56   | 2.34   | 0.56   |
|                                 |  |  |  |                        |                    | 37                                | 1.68                       | 0.52   | 1.92   | 0.54   | 2.01   | 0.56   | 2.06   | 0.56   | 2.11   | 0.57   | 2.20   | 0.57   | 2.30   | 0.57   |
|                                 |  |  |  |                        |                    | 39                                | 1.68                       | 0.54   | 1.88   | 0.56   | 1.98   | 0.57   | 2.02   | 0.58   | 2.07   | 0.58   | 2.16   | 0.58   | 2.26   | 0.58   |
|                                 |  |  |  |                        |                    | 42                                | 1.66                       | 0.57   | 1.83   | 0.58   | 1.92   | 0.59   | 1.97   | 0.60   | 2.01   | 0.60   | 2.11   | 0.60   | 2.20   | 0.60   |
|                                 |  |  |  |                        |                    | 44                                | 1.58                       | 0.58   | 1.79   | 0.60   | 1.88   | 0.61   | 1.93   | 0.61   | 1.97   | 0.61   | 2.07   | 0.61   | 2.16   | 0.61   |
|                                 |  |  |  |                        |                    | 46                                | 1.53                       | 0.60   | 1.75   | 0.62   | 1.84   | 0.62   | 1.89   | 0.63   | 1.94   | 0.63   | 2.03   | 0.63   | 2.12   | 0.62   |
| 2500                            |  |  |  | 2500                   | 63%                | 10                                | 2.00                       | 0.43   | 2.90   | 0.48   | 3.02   | 0.52   | 3.08   | 0.54   | 3.14   | 0.56   | 3.26   | 0.59   | 3.39   | 0.61   |
|                                 |  |  |  |                        |                    | 12                                | 2.00                       | 0.45   | 2.85   | 0.50   | 2.97   | 0.54   | 3.03   | 0.56   | 3.09   | 0.57   | 3.22   | 0.60   | 3.34   | 0.62   |
|                                 |  |  |  |                        |                    | 14                                | 2.00                       | 0.47   | 2.80   | 0.52   | 2.93   | 0.56   | 2.99   | 0.57   | 3.05   | 0.59   | 3.17   | 0.61   | 3.29   | 0.63   |
|                                 |  |  |  |                        |                    | 16                                | 2.00                       | 0.49   | 2.76   | 0.54   | 2.88   | 0.57   | 2.94   | 0.59   | 3.00   | 0.60   | 3.12   | 0.63   | 3.24   | 0.64   |
|                                 |  |  |  |                        |                    | 18                                | 2.00                       | 0.51   | 2.71   | 0.56   | 2.83   | 0.59   | 2.89   | 0.61   | 2.95   | 0.62   | 3.07   | 0.64   | 3.19   | 0.66   |
|                                 |  |  |  |                        |                    | 20                                | 2.00                       | 0.54   | 2.67   | 0.58   | 2.79   | 0.61   | 2.85   | 0.62   | 2.90   | 0.64   | 3.02   | 0.66   | 3.14   | 0.67   |
|                                 |  |  |  |                        |                    | 21                                | 2.00                       | 0.55   | 2.64   | 0.59   | 2.76   | 0.62   | 2.82   | 0.63   | 2.88   | 0.64   | 3.00   | 0.66   | 3.12   | 0.67   |
|                                 |  |  |  |                        |                    | 23                                | 2.00                       | 0.57   | 2.60   | 0.61   | 2.72   | 0.64   | 2.78   | 0.65   | 2.83   | 0.66   | 2.95   | 0.68   | 3.07   | 0.69   |
|                                 |  |  |  |                        |                    | 25                                | 2.00                       | 0.59   | 2.55   | 0.63   | 2.67   | 0.66   | 2.73   | 0.67   | 2.79   | 0.68   | 2.91   | 0.69   | 3.02   | 0.70   |
|                                 |  |  |  |                        |                    | 27                                | 2.00                       | 0.61   | 2.51   | 0.65   | 2.62   | 0.67   | 2.68   | 0.69   | 2.74   | 0.69   | 2.86   | 0.71   | 2.98   | 0.72   |
|                                 |  |  |  |                        |                    | 29                                | 2.00                       | 0.63   | 2.46   | 0.67   | 2.58   | 0.69   | 2.64   | 0.70   | 2.69   | 0.71   | 2.81   | 0.72   | 2.93   | 0.73   |
|                                 |  |  |  |                        |                    | 31                                | 2.00                       | 0.66   | 2.42   | 0.69   | 2.53   | 0.71   | 2.59   | 0.72   | 2.65   | 0.73   | 2.76   | 0.74   | 2.88   | 0.74   |
|                                 |  |  |  |                        |                    | 33                                | 2.00                       | 0.68   | 2.37   | 0.71   | 2.49   | 0.73   | 2.54   | 0.74   | 2.60   | 0.75   | 2.72   | 0.76   | 2.83   | 0.76   |
|                                 |  |  |  |                        |                    | 35                                | 2.00                       | 0.70   | 2.33   | 0.73   | 2.44   | 0.75   | 2.50   | 0.75   | 2.56   | 0.77   | 2.67   | 0.77   | 2.78   | 0.77   |
|                                 |  |  |  |                        |                    | 37                                | 2.00                       | 0.73   | 2.29   | 0.75   | 2.40   | 0.77   | 2.45   | 0.78   | 2.51   | 0.79   | 2.62   | 0.79   | 2.74   | 0.79   |
|                                 |  |  |  |                        |                    | 39                                | 2.00                       | 0.75   | 2.24   | 0.77   | 2.35   | 0.79   | 2.41   | 0.80   | 2.46   | 0.80   | 2.58   | 0.81   | 2.69   | 0.81   |
|                                 |  |  |  |                        |                    | 42                                | 1.98                       | 0.79   | 2.18   | 0.81   | 2.29   | 0.82   | 2.34   | 0.83   | 2.40   | 0.83   | 2.51   | 0.83   | 2.62   | 0.83   |
|                                 |  |  |  |                        |                    | 44                                | 1.88                       | 0.81   | 2.13   | 0.83   | 2.24   | 0.85   | 2.30   | 0.85   | 2.35   | 0.85   | 2.46   | 0.85   | 2.57   | 0.85   |
|                                 |  |  |  |                        |                    | 46                                | 1.83                       | 0.83   | 2.09   | 0.85   | 2.20   | 0.87   | 2.25   | 0.87   | 2.30   | 0.87   | 2.41   | 0.87   | 2.53   | 0.86   |

## 12. Capacity Table

| Combination<br>(Capacity Index) |      |  |  | Combination<br>(Total) | Combination<br>(%) | Outdoor<br>Temperature<br>(°C,DB) | Indoor Temperature(°C, WB) |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------------------------|------|--|--|------------------------|--------------------|-----------------------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                 |      |  |  |                        |                    |                                   | 14                         |        | 16     |        | 18     |        | 19     |        | 20     |        | 22     |        | 24     |        |
|                                 |      |  |  |                        |                    |                                   | TC(kW)                     | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) |
| 3500                            |      |  |  | 3500                   | 88%                | 10                                | 2.80                       | 0.61   | 4.06   | 0.68   | 4.23   | 0.74   | 4.31   | 0.77   | 4.40   | 0.79   | 4.57   | 0.83   | 4.74   | 0.86   |
|                                 |      |  |  |                        |                    | 12                                | 2.80                       | 0.64   | 3.99   | 0.71   | 4.16   | 0.76   | 4.25   | 0.79   | 4.33   | 0.81   | 4.50   | 0.85   | 4.68   | 0.87   |
|                                 |      |  |  |                        |                    | 14                                | 2.80                       | 0.67   | 3.93   | 0.73   | 4.10   | 0.79   | 4.18   | 0.81   | 4.26   | 0.83   | 4.44   | 0.87   | 4.61   | 0.89   |
|                                 |      |  |  |                        |                    | 16                                | 2.80                       | 0.70   | 3.86   | 0.76   | 4.03   | 0.81   | 4.11   | 0.83   | 4.20   | 0.85   | 4.37   | 0.89   | 4.54   | 0.91   |
|                                 |      |  |  |                        |                    | 18                                | 2.80                       | 0.73   | 3.80   | 0.79   | 3.96   | 0.84   | 4.05   | 0.86   | 4.13   | 0.88   | 4.30   | 0.91   | 4.47   | 0.93   |
|                                 |      |  |  |                        |                    | 20                                | 2.80                       | 0.76   | 3.73   | 0.81   | 3.90   | 0.86   | 3.98   | 0.88   | 4.07   | 0.90   | 4.23   | 0.93   | 4.40   | 0.94   |
|                                 |      |  |  |                        |                    | 21                                | 2.80                       | 0.77   | 3.70   | 0.83   | 3.87   | 0.87   | 3.95   | 0.89   | 4.03   | 0.91   | 4.20   | 0.94   | 4.37   | 0.95   |
|                                 |      |  |  |                        |                    | 23                                | 2.80                       | 0.80   | 3.64   | 0.86   | 3.80   | 0.90   | 3.89   | 0.92   | 3.97   | 0.93   | 4.13   | 0.96   | 4.30   | 0.97   |
|                                 |      |  |  |                        |                    | 25                                | 2.80                       | 0.83   | 3.58   | 0.88   | 3.74   | 0.93   | 3.82   | 0.94   | 3.90   | 0.96   | 4.07   | 0.98   | 4.23   | 0.99   |
|                                 |      |  |  |                        |                    | 27                                | 2.80                       | 0.86   | 3.51   | 0.91   | 3.67   | 0.95   | 3.76   | 0.97   | 3.84   | 0.98   | 4.00   | 1.00   | 4.17   | 1.01   |
|                                 |      |  |  |                        |                    | 29                                | 2.80                       | 0.89   | 3.45   | 0.94   | 3.61   | 0.98   | 3.69   | 0.99   | 3.77   | 1.01   | 3.93   | 1.02   | 4.10   | 1.03   |
|                                 |      |  |  |                        |                    | 31                                | 2.80                       | 0.93   | 3.39   | 0.97   | 3.55   | 1.01   | 3.63   | 1.02   | 3.71   | 1.03   | 3.87   | 1.05   | 4.03   | 1.05   |
|                                 |      |  |  |                        |                    | 33                                | 2.80                       | 0.96   | 3.32   | 1.00   | 3.48   | 1.03   | 3.56   | 1.05   | 3.64   | 1.06   | 3.80   | 1.07   | 3.97   | 1.07   |
|                                 |      |  |  |                        |                    | 35                                | 2.80                       | 0.99   | 3.26   | 1.03   | 3.42   | 1.06   | 3.50   | 1.06   | 3.58   | 1.08   | 3.74   | 1.09   | 3.90   | 1.09   |
|                                 |      |  |  |                        |                    | 37                                | 2.80                       | 1.03   | 3.20   | 1.06   | 3.36   | 1.09   | 3.43   | 1.10   | 3.51   | 1.11   | 3.67   | 1.12   | 3.83   | 1.12   |
|                                 |      |  |  |                        |                    | 39                                | 2.80                       | 1.06   | 3.14   | 1.09   | 3.29   | 1.12   | 3.37   | 1.13   | 3.45   | 1.14   | 3.61   | 1.14   | 3.77   | 1.14   |
|                                 |      |  |  |                        |                    | 42                                | 2.77                       | 1.11   | 3.05   | 1.14   | 3.20   | 1.17   | 3.28   | 1.17   | 3.35   | 1.18   | 3.51   | 1.18   | 3.67   | 1.17   |
|                                 |      |  |  |                        |                    | 44                                | 2.63                       | 1.14   | 2.98   | 1.18   | 3.14   | 1.20   | 3.21   | 1.20   | 3.29   | 1.21   | 3.45   | 1.21   | 3.60   | 1.20   |
|                                 |      |  |  |                        |                    | 46                                | 2.56                       | 1.18   | 2.92   | 1.21   | 3.07   | 1.23   | 3.15   | 1.23   | 3.23   | 1.23   | 3.38   | 1.23   | 3.54   | 1.22   |
| 2000                            | 2000 |  |  | 4000                   | 100%               | 10                                | 3.53                       | 0.63   | 4.99   | 0.65   | 5.08   | 0.66   | 5.14   | 0.67   | 5.20   | 0.68   | 5.35   | 0.69   | 5.52   | 0.71   |
|                                 |      |  |  |                        |                    | 12                                | 3.53                       | 0.65   | 4.85   | 0.66   | 4.95   | 0.68   | 5.01   | 0.69   | 5.08   | 0.69   | 5.23   | 0.71   | 5.41   | 0.72   |
|                                 |      |  |  |                        |                    | 14                                | 3.53                       | 0.66   | 4.72   | 0.68   | 4.83   | 0.70   | 4.89   | 0.70   | 4.96   | 0.71   | 5.12   | 0.72   | 5.31   | 0.74   |
|                                 |      |  |  |                        |                    | 16                                | 3.53                       | 0.68   | 4.60   | 0.70   | 4.71   | 0.71   | 4.78   | 0.72   | 4.85   | 0.73   | 5.02   | 0.74   | 5.21   | 0.76   |
|                                 |      |  |  |                        |                    | 18                                | 3.53                       | 0.70   | 4.48   | 0.71   | 4.60   | 0.73   | 4.67   | 0.74   | 4.75   | 0.74   | 4.92   | 0.76   | 5.12   | 0.77   |
|                                 |      |  |  |                        |                    | 20                                | 3.53                       | 0.72   | 4.36   | 0.73   | 4.49   | 0.75   | 4.57   | 0.75   | 4.65   | 0.76   | 4.83   | 0.78   | 5.03   | 0.79   |
|                                 |      |  |  |                        |                    | 21                                | 3.53                       | 0.73   | 4.31   | 0.74   | 4.44   | 0.76   | 4.52   | 0.76   | 4.60   | 0.77   | 4.78   | 0.78   | 4.99   | 0.80   |
|                                 |      |  |  |                        |                    | 23                                | 3.53                       | 0.74   | 4.20   | 0.76   | 4.34   | 0.77   | 4.42   | 0.78   | 4.51   | 0.79   | 4.70   | 0.80   | 4.91   | 0.82   |
|                                 |      |  |  |                        |                    | 25                                | 3.53                       | 0.76   | 4.10   | 0.78   | 4.25   | 0.79   | 4.33   | 0.80   | 4.42   | 0.81   | 4.62   | 0.82   | 4.84   | 0.84   |
|                                 |      |  |  |                        |                    | 27                                | 3.53                       | 0.78   | 4.01   | 0.80   | 4.16   | 0.81   | 4.25   | 0.82   | 4.34   | 0.83   | 4.55   | 0.84   | 4.78   | 0.85   |
|                                 |      |  |  |                        |                    | 29                                | 3.53                       | 0.80   | 3.92   | 0.82   | 4.08   | 0.83   | 4.17   | 0.84   | 4.27   | 0.85   | 4.48   | 0.86   | 4.72   | 0.87   |
|                                 |      |  |  |                        |                    | 31                                | 3.53                       | 0.82   | 3.84   | 0.84   | 4.01   | 0.85   | 4.10   | 0.86   | 4.20   | 0.87   | 4.42   | 0.88   | 4.66   | 0.89   |
|                                 |      |  |  |                        |                    | 33                                | 3.53                       | 0.84   | 3.76   | 0.86   | 3.94   | 0.87   | 4.03   | 0.88   | 4.13   | 0.89   | 4.36   | 0.90   | 4.61   | 0.91   |
|                                 |      |  |  |                        |                    | 35                                | 3.53                       | 0.87   | 3.69   | 0.88   | 3.87   | 0.90   | 4.00   | 0.90   | 4.08   | 0.91   | 4.31   | 0.92   | 4.57   | 0.94   |
|                                 |      |  |  |                        |                    | 37                                | 3.53                       | 0.89   | 3.62   | 0.90   | 3.81   | 0.92   | 3.91   | 0.92   | 4.02   | 0.93   | 4.26   | 0.94   | 4.53   | 0.96   |
|                                 |      |  |  |                        |                    | 39                                | 3.53                       | 0.91   | 3.56   | 0.92   | 3.76   | 0.94   | 3.86   | 0.95   | 3.98   | 0.95   | 4.22   | 0.97   | 4.49   | 0.98   |
|                                 |      |  |  |                        |                    | 42                                | 3.53                       | 0.94   | 3.48   | 0.96   | 3.69   | 0.97   | 3.80   | 0.98   | 3.92   | 0.99   | 4.17   | 1.00   | 4.46   | 1.01   |
|                                 |      |  |  |                        |                    | 44                                | 3.53                       | 0.97   | 3.44   | 0.98   | 3.65   | 1.00   | 3.76   | 1.00   | 3.89   | 1.01   | 4.15   | 1.02   | 4.44   | 1.04   |
|                                 |      |  |  |                        |                    | 46                                | 3.53                       | 0.99   | 3.39   | 1.01   | 3.61   | 1.02   | 3.73   | 1.03   | 3.86   | 1.03   | 4.13   | 1.05   | 4.42   | 1.06   |

# 12. Capacity Table

| Combination<br>(Capacity Index) |      |  |  | Combination<br>(Total) | Combination<br>(%) | Outdoor<br>Temperature<br>(°C, DB) | Indoor Temperature(°C, WB) |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------------------------|------|--|--|------------------------|--------------------|------------------------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                 |      |  |  |                        |                    |                                    | 14                         |        | 16     |        | 18     |        | 19     |        | 20     |        | 22     |        | 24     |        |
|                                 |      |  |  |                        |                    |                                    | TC(kW)                     | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) |
| 2000                            | 2500 |  |  | 4500                   | 113%               | 10                                 | 3.53                       | 0.65   | 4.99   | 0.66   | 5.08   | 0.68   | 5.14   | 0.69   | 5.20   | 0.69   | 5.35   | 0.71   | 5.52   | 0.72   |
|                                 |      |  |  |                        |                    | 12                                 | 3.53                       | 0.66   | 4.85   | 0.68   | 4.95   | 0.69   | 5.01   | 0.70   | 5.08   | 0.71   | 5.23   | 0.72   | 5.41   | 0.74   |
|                                 |      |  |  |                        |                    | 14                                 | 3.53                       | 0.68   | 4.72   | 0.70   | 4.83   | 0.71   | 4.89   | 0.72   | 4.96   | 0.73   | 5.12   | 0.74   | 5.31   | 0.75   |
|                                 |      |  |  |                        |                    | 16                                 | 3.53                       | 0.70   | 4.60   | 0.71   | 4.71   | 0.73   | 4.78   | 0.74   | 4.85   | 0.74   | 5.02   | 0.76   | 5.21   | 0.77   |
|                                 |      |  |  |                        |                    | 18                                 | 3.53                       | 0.71   | 4.48   | 0.73   | 4.60   | 0.75   | 4.67   | 0.75   | 4.75   | 0.76   | 4.92   | 0.78   | 5.12   | 0.79   |
|                                 |      |  |  |                        |                    | 20                                 | 3.53                       | 0.73   | 4.36   | 0.75   | 4.49   | 0.76   | 4.57   | 0.77   | 4.65   | 0.78   | 4.83   | 0.79   | 5.03   | 0.81   |
|                                 |      |  |  |                        |                    | 21                                 | 3.53                       | 0.74   | 4.31   | 0.76   | 4.44   | 0.77   | 4.52   | 0.78   | 4.60   | 0.79   | 4.78   | 0.80   | 4.99   | 0.82   |
|                                 |      |  |  |                        |                    | 23                                 | 3.53                       | 0.76   | 4.20   | 0.78   | 4.34   | 0.79   | 4.42   | 0.80   | 4.51   | 0.81   | 4.70   | 0.82   | 4.91   | 0.83   |
|                                 |      |  |  |                        |                    | 25                                 | 3.53                       | 0.78   | 4.10   | 0.80   | 4.25   | 0.81   | 4.33   | 0.82   | 4.42   | 0.83   | 4.62   | 0.84   | 4.84   | 0.85   |
|                                 |      |  |  |                        |                    | 27                                 | 3.53                       | 0.80   | 4.01   | 0.82   | 4.16   | 0.83   | 4.25   | 0.84   | 4.34   | 0.85   | 4.55   | 0.86   | 4.78   | 0.87   |
|                                 |      |  |  |                        |                    | 29                                 | 3.53                       | 0.82   | 3.92   | 0.84   | 4.08   | 0.85   | 4.17   | 0.86   | 4.27   | 0.87   | 4.48   | 0.88   | 4.72   | 0.89   |
|                                 |      |  |  |                        |                    | 31                                 | 3.53                       | 0.84   | 3.84   | 0.86   | 4.01   | 0.87   | 4.10   | 0.88   | 4.20   | 0.89   | 4.42   | 0.90   | 4.66   | 0.91   |
|                                 |      |  |  |                        |                    | 33                                 | 3.53                       | 0.86   | 3.76   | 0.88   | 3.94   | 0.89   | 4.03   | 0.90   | 4.13   | 0.91   | 4.36   | 0.92   | 4.61   | 0.94   |
|                                 |      |  |  |                        |                    | 35                                 | 3.53                       | 0.88   | 3.69   | 0.90   | 3.87   | 0.91   | 4.00   | 0.92   | 4.08   | 0.93   | 4.31   | 0.94   | 4.57   | 0.96   |
|                                 |      |  |  |                        |                    | 37                                 | 3.53                       | 0.91   | 3.62   | 0.92   | 3.81   | 0.94   | 3.91   | 0.94   | 4.02   | 0.95   | 4.26   | 0.97   | 4.53   | 0.98   |
|                                 |      |  |  |                        |                    | 39                                 | 3.53                       | 0.93   | 3.56   | 0.94   | 3.76   | 0.96   | 3.86   | 0.97   | 3.98   | 0.97   | 4.22   | 0.99   | 4.49   | 1.00   |
|                                 |      |  |  |                        |                    | 42                                 | 3.53                       | 0.96   | 3.48   | 0.98   | 3.69   | 0.99   | 3.80   | 1.00   | 3.92   | 1.01   | 4.17   | 1.02   | 4.46   | 1.04   |
|                                 |      |  |  |                        |                    | 44                                 | 3.53                       | 0.99   | 3.44   | 1.00   | 3.65   | 1.02   | 3.76   | 1.03   | 3.89   | 1.03   | 4.15   | 1.05   | 4.44   | 1.06   |
|                                 |      |  |  |                        |                    | 46                                 | 3.53                       | 1.01   | 3.39   | 1.03   | 3.61   | 1.04   | 3.73   | 1.05   | 3.86   | 1.06   | 4.13   | 1.07   | 4.42   | 1.08   |
| 2000                            | 3500 |  |  | 5500                   | 138%               | 10                                 | 3.53                       | 0.65   | 4.99   | 0.67   | 5.08   | 0.69   | 5.14   | 0.69   | 5.20   | 0.70   | 5.35   | 0.72   | 5.52   | 0.73   |
|                                 |      |  |  |                        |                    | 12                                 | 3.53                       | 0.67   | 4.85   | 0.69   | 4.95   | 0.70   | 5.01   | 0.71   | 5.08   | 0.72   | 5.23   | 0.73   | 5.41   | 0.75   |
|                                 |      |  |  |                        |                    | 14                                 | 3.53                       | 0.69   | 4.72   | 0.70   | 4.83   | 0.72   | 4.89   | 0.73   | 4.96   | 0.73   | 5.12   | 0.75   | 5.31   | 0.76   |
|                                 |      |  |  |                        |                    | 16                                 | 3.53                       | 0.70   | 4.60   | 0.72   | 4.71   | 0.74   | 4.78   | 0.74   | 4.85   | 0.75   | 5.02   | 0.77   | 5.21   | 0.78   |
|                                 |      |  |  |                        |                    | 18                                 | 3.53                       | 0.72   | 4.48   | 0.74   | 4.60   | 0.75   | 4.67   | 0.76   | 4.75   | 0.77   | 4.92   | 0.78   | 5.12   | 0.80   |
|                                 |      |  |  |                        |                    | 20                                 | 3.53                       | 0.74   | 4.36   | 0.76   | 4.49   | 0.77   | 4.57   | 0.78   | 4.65   | 0.79   | 4.83   | 0.80   | 5.03   | 0.82   |
|                                 |      |  |  |                        |                    | 21                                 | 3.53                       | 0.75   | 4.31   | 0.77   | 4.44   | 0.78   | 4.52   | 0.79   | 4.60   | 0.80   | 4.78   | 0.81   | 4.99   | 0.83   |
|                                 |      |  |  |                        |                    | 23                                 | 3.53                       | 0.77   | 4.20   | 0.78   | 4.34   | 0.80   | 4.42   | 0.81   | 4.51   | 0.82   | 4.70   | 0.83   | 4.91   | 0.84   |
|                                 |      |  |  |                        |                    | 25                                 | 3.53                       | 0.79   | 4.10   | 0.80   | 4.25   | 0.82   | 4.33   | 0.83   | 4.42   | 0.83   | 4.62   | 0.85   | 4.84   | 0.86   |
|                                 |      |  |  |                        |                    | 27                                 | 3.53                       | 0.81   | 4.01   | 0.82   | 4.16   | 0.84   | 4.25   | 0.85   | 4.34   | 0.85   | 4.55   | 0.87   | 4.78   | 0.88   |
|                                 |      |  |  |                        |                    | 29                                 | 3.53                       | 0.83   | 3.92   | 0.85   | 4.08   | 0.86   | 4.17   | 0.87   | 4.27   | 0.88   | 4.48   | 0.89   | 4.72   | 0.90   |
|                                 |      |  |  |                        |                    | 31                                 | 3.53                       | 0.85   | 3.84   | 0.87   | 4.01   | 0.88   | 4.10   | 0.89   | 4.20   | 0.90   | 4.42   | 0.91   | 4.66   | 0.92   |
|                                 |      |  |  |                        |                    | 33                                 | 3.53                       | 0.87   | 3.76   | 0.89   | 3.94   | 0.90   | 4.03   | 0.91   | 4.13   | 0.92   | 4.36   | 0.93   | 4.61   | 0.95   |
|                                 |      |  |  |                        |                    | 35                                 | 3.53                       | 0.89   | 3.69   | 0.91   | 3.87   | 0.92   | 4.00   | 0.93   | 4.08   | 0.94   | 4.31   | 0.95   | 4.57   | 0.97   |
|                                 |      |  |  |                        |                    | 37                                 | 3.53                       | 0.92   | 3.62   | 0.93   | 3.81   | 0.95   | 3.91   | 0.95   | 4.02   | 0.96   | 4.26   | 0.98   | 4.53   | 0.99   |
|                                 |      |  |  |                        |                    | 39                                 | 3.53                       | 0.94   | 3.56   | 0.96   | 3.76   | 0.97   | 3.86   | 0.98   | 3.98   | 0.98   | 4.22   | 1.00   | 4.49   | 1.01   |
|                                 |      |  |  |                        |                    | 42                                 | 3.53                       | 0.98   | 3.48   | 0.99   | 3.69   | 1.01   | 3.80   | 1.01   | 3.92   | 1.02   | 4.17   | 1.03   | 4.46   | 1.05   |
|                                 |      |  |  |                        |                    | 44                                 | 3.53                       | 1.00   | 3.44   | 1.01   | 3.65   | 1.03   | 3.76   | 1.04   | 3.89   | 1.04   | 4.15   | 1.06   | 4.44   | 1.07   |
|                                 |      |  |  |                        |                    | 46                                 | 3.53                       | 1.02   | 3.39   | 1.04   | 3.61   | 1.05   | 3.73   | 1.06   | 3.86   | 1.07   | 4.13   | 1.08   | 4.42   | 1.10   |

## 12. Capacity Table

| Combination<br>(Capacity Index) |      |  |  | Combination<br>(Total) | Combination<br>(%) | Outdoor<br>Temperature<br>(°C,DB) | Indoor Temperature(°C, WB) |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------------------------|------|--|--|------------------------|--------------------|-----------------------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                 |      |  |  |                        |                    |                                   | 14                         |        | 16     |        | 18     |        | 19     |        | 20     |        | 22     |        | 24     |        |
|                                 |      |  |  |                        |                    |                                   | TC(kW)                     | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) |
| 2500                            | 2500 |  |  | 5000                   | 125%               | 10                                | 3.53                       | 0.66   | 4.99   | 0.68   | 5.08   | 0.69   | 5.14   | 0.70   | 5.20   | 0.71   | 5.35   | 0.72   | 5.52   | 0.74   |
|                                 |      |  |  |                        |                    | 12                                | 3.53                       | 0.68   | 4.85   | 0.69   | 4.95   | 0.71   | 5.01   | 0.72   | 5.08   | 0.73   | 5.23   | 0.74   | 5.41   | 0.75   |
|                                 |      |  |  |                        |                    | 14                                | 3.53                       | 0.69   | 4.72   | 0.71   | 4.83   | 0.73   | 4.89   | 0.73   | 4.96   | 0.74   | 5.12   | 0.76   | 5.31   | 0.77   |
|                                 |      |  |  |                        |                    | 16                                | 3.53                       | 0.71   | 4.60   | 0.73   | 4.71   | 0.74   | 4.78   | 0.75   | 4.85   | 0.76   | 5.02   | 0.77   | 5.21   | 0.79   |
|                                 |      |  |  |                        |                    | 18                                | 3.53                       | 0.73   | 4.48   | 0.75   | 4.60   | 0.76   | 4.67   | 0.77   | 4.75   | 0.78   | 4.92   | 0.79   | 5.12   | 0.81   |
|                                 |      |  |  |                        |                    | 20                                | 3.53                       | 0.75   | 4.36   | 0.76   | 4.49   | 0.78   | 4.57   | 0.79   | 4.65   | 0.80   | 4.83   | 0.81   | 5.03   | 0.82   |
|                                 |      |  |  |                        |                    | 21                                | 3.53                       | 0.76   | 4.31   | 0.77   | 4.44   | 0.79   | 4.52   | 0.80   | 4.60   | 0.81   | 4.78   | 0.82   | 4.99   | 0.83   |
|                                 |      |  |  |                        |                    | 23                                | 3.53                       | 0.78   | 4.20   | 0.79   | 4.34   | 0.81   | 4.42   | 0.82   | 4.51   | 0.82   | 4.70   | 0.84   | 4.91   | 0.85   |
|                                 |      |  |  |                        |                    | 25                                | 3.53                       | 0.80   | 4.10   | 0.81   | 4.25   | 0.83   | 4.33   | 0.84   | 4.42   | 0.84   | 4.62   | 0.86   | 4.84   | 0.87   |
|                                 |      |  |  |                        |                    | 27                                | 3.53                       | 0.82   | 4.01   | 0.83   | 4.16   | 0.85   | 4.25   | 0.86   | 4.34   | 0.86   | 4.55   | 0.88   | 4.78   | 0.89   |
|                                 |      |  |  |                        |                    | 29                                | 3.53                       | 0.84   | 3.92   | 0.85   | 4.08   | 0.87   | 4.17   | 0.88   | 4.27   | 0.88   | 4.48   | 0.90   | 4.72   | 0.91   |
|                                 |      |  |  |                        |                    | 31                                | 3.53                       | 0.86   | 3.84   | 0.88   | 4.01   | 0.89   | 4.10   | 0.90   | 4.20   | 0.91   | 4.42   | 0.92   | 4.66   | 0.93   |
|                                 |      |  |  |                        |                    | 33                                | 3.53                       | 0.88   | 3.76   | 0.90   | 3.94   | 0.91   | 4.03   | 0.92   | 4.13   | 0.93   | 4.36   | 0.94   | 4.61   | 0.96   |
|                                 |      |  |  |                        |                    | 35                                | 3.53                       | 0.90   | 3.69   | 0.92   | 3.87   | 0.93   | 4.00   | 0.94   | 4.08   | 0.95   | 4.31   | 0.96   | 4.57   | 0.98   |
|                                 |      |  |  |                        |                    | 37                                | 3.53                       | 0.93   | 3.62   | 0.94   | 3.81   | 0.96   | 3.91   | 0.96   | 4.02   | 0.97   | 4.26   | 0.99   | 4.53   | 1.00   |
|                                 |      |  |  |                        |                    | 39                                | 3.53                       | 0.95   | 3.56   | 0.97   | 3.76   | 0.98   | 3.86   | 0.99   | 3.98   | 1.00   | 4.22   | 1.01   | 4.49   | 1.02   |
|                                 |      |  |  |                        |                    | 42                                | 3.53                       | 0.99   | 3.48   | 1.00   | 3.69   | 1.02   | 3.80   | 1.02   | 3.92   | 1.03   | 4.17   | 1.05   | 4.46   | 1.06   |
|                                 |      |  |  |                        |                    | 44                                | 3.53                       | 1.01   | 3.44   | 1.03   | 3.65   | 1.04   | 3.76   | 1.05   | 3.89   | 1.06   | 4.15   | 1.07   | 4.44   | 1.08   |
|                                 |      |  |  |                        |                    | 46                                | 3.53                       | 1.04   | 3.39   | 1.05   | 3.61   | 1.07   | 3.73   | 1.07   | 3.86   | 1.08   | 4.13   | 1.09   | 4.42   | 1.11   |
| 2500                            | 3500 |  |  | 6000                   | 150%               | 10                                | 3.53                       | 0.67   | 4.99   | 0.68   | 5.08   | 0.70   | 5.14   | 0.71   | 5.20   | 0.72   | 5.35   | 0.73   | 5.52   | 0.75   |
|                                 |      |  |  |                        |                    | 12                                | 3.53                       | 0.68   | 4.85   | 0.70   | 4.95   | 0.72   | 5.01   | 0.73   | 5.08   | 0.73   | 5.23   | 0.75   | 5.41   | 0.76   |
|                                 |      |  |  |                        |                    | 14                                | 3.53                       | 0.70   | 4.72   | 0.72   | 4.83   | 0.73   | 4.89   | 0.74   | 4.96   | 0.75   | 5.12   | 0.77   | 5.31   | 0.78   |
|                                 |      |  |  |                        |                    | 16                                | 3.53                       | 0.72   | 4.60   | 0.74   | 4.71   | 0.75   | 4.78   | 0.76   | 4.85   | 0.77   | 5.02   | 0.78   | 5.21   | 0.80   |
|                                 |      |  |  |                        |                    | 18                                | 3.53                       | 0.74   | 4.48   | 0.75   | 4.60   | 0.77   | 4.67   | 0.78   | 4.75   | 0.79   | 4.92   | 0.80   | 5.12   | 0.81   |
|                                 |      |  |  |                        |                    | 20                                | 3.53                       | 0.76   | 4.36   | 0.77   | 4.49   | 0.79   | 4.57   | 0.80   | 4.65   | 0.80   | 4.83   | 0.82   | 5.03   | 0.83   |
|                                 |      |  |  |                        |                    | 21                                | 3.53                       | 0.77   | 4.31   | 0.78   | 4.44   | 0.80   | 4.52   | 0.81   | 4.60   | 0.81   | 4.78   | 0.83   | 4.99   | 0.84   |
|                                 |      |  |  |                        |                    | 23                                | 3.53                       | 0.79   | 4.20   | 0.80   | 4.34   | 0.82   | 4.42   | 0.83   | 4.51   | 0.83   | 4.70   | 0.85   | 4.91   | 0.86   |
|                                 |      |  |  |                        |                    | 25                                | 3.53                       | 0.81   | 4.10   | 0.82   | 4.25   | 0.84   | 4.33   | 0.85   | 4.42   | 0.85   | 4.62   | 0.87   | 4.84   | 0.88   |
|                                 |      |  |  |                        |                    | 27                                | 3.53                       | 0.83   | 4.01   | 0.84   | 4.16   | 0.86   | 4.25   | 0.87   | 4.34   | 0.87   | 4.55   | 0.89   | 4.78   | 0.90   |
|                                 |      |  |  |                        |                    | 29                                | 3.53                       | 0.85   | 3.92   | 0.86   | 4.08   | 0.88   | 4.17   | 0.89   | 4.27   | 0.89   | 4.48   | 0.91   | 4.72   | 0.92   |
|                                 |      |  |  |                        |                    | 31                                | 3.53                       | 0.87   | 3.84   | 0.88   | 4.01   | 0.90   | 4.10   | 0.91   | 4.20   | 0.92   | 4.42   | 0.93   | 4.66   | 0.94   |
|                                 |      |  |  |                        |                    | 33                                | 3.53                       | 0.89   | 3.76   | 0.91   | 3.94   | 0.92   | 4.03   | 0.93   | 4.13   | 0.94   | 4.36   | 0.95   | 4.61   | 0.97   |
|                                 |      |  |  |                        |                    | 35                                | 3.53                       | 0.91   | 3.69   | 0.93   | 3.87   | 0.94   | 4.00   | 0.95   | 4.08   | 0.96   | 4.31   | 0.97   | 4.57   | 0.99   |
|                                 |      |  |  |                        |                    | 37                                | 3.53                       | 0.94   | 3.62   | 0.95   | 3.81   | 0.97   | 3.91   | 0.98   | 4.02   | 0.98   | 4.26   | 1.00   | 4.53   | 1.01   |
|                                 |      |  |  |                        |                    | 39                                | 3.53                       | 0.96   | 3.56   | 0.98   | 3.76   | 0.99   | 3.86   | 1.00   | 3.98   | 1.01   | 4.22   | 1.02   | 4.49   | 1.03   |
|                                 |      |  |  |                        |                    | 42                                | 3.53                       | 1.00   | 3.48   | 1.01   | 3.69   | 1.03   | 3.80   | 1.03   | 3.92   | 1.04   | 4.17   | 1.06   | 4.46   | 1.07   |
|                                 |      |  |  |                        |                    | 44                                | 3.53                       | 1.02   | 3.44   | 1.04   | 3.65   | 1.05   | 3.76   | 1.06   | 3.89   | 1.07   | 4.15   | 1.08   | 4.44   | 1.09   |
|                                 |      |  |  |                        |                    | 46                                | 3.53                       | 1.05   | 3.39   | 1.06   | 3.61   | 1.08   | 3.73   | 1.08   | 3.86   | 1.09   | 4.13   | 1.11   | 4.42   | 1.12   |

### NOTE

- The performance table shows the average value of each conditions.
- The above is the value for connecting with the following indoor units.
  - 2000, 2500, 3500W class : AR07TXFCAWKNEU, AR09TXFCAWKNEU, AR12TXFCAWKNEU
- The total ability of connected a indoor unit is up to 6.0kW
- It is impossible to connect the indoor unit for one room only.
- This data is reference data for temperature capacity trend.

# 12. Capacity Table

## 12-1. AJ040TXJ2KG/EU

### Heating

| Combination<br>(Capacity Index) |      |  |  | Combination<br>(Total) | Combination<br>(%) | Outdoor<br>Temperature<br>(°C,DB) | Indoor Temperature(°C, DB) |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------------------------|------|--|--|------------------------|--------------------|-----------------------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                 |      |  |  |                        |                    |                                   | 14                         |        | 16     |        | 18     |        | 20     |        | 21     |        | 22     |        | 24     |        |
|                                 |      |  |  |                        |                    |                                   | TC(kW)                     | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) |
| 2000                            |      |  |  | 2000                   | 50%                | -15                               | 1.37                       | 0.62   | 1.33   | 0.63   | 1.29   | 0.64   | 1.28   | 0.64   | 1.26   | 0.64   | 1.23   | 0.65   | 1.21   | 0.66   |
|                                 |      |  |  |                        |                    | -10                               | 1.65                       | 0.65   | 1.60   | 0.66   | 1.56   | 0.67   | 1.54   | 0.67   | 1.52   | 0.68   | 1.49   | 0.69   | 1.47   | 0.69   |
|                                 |      |  |  |                        |                    | -5                                | 1.92                       | 0.68   | 1.87   | 0.69   | 1.83   | 0.70   | 1.81   | 0.71   | 1.79   | 0.71   | 1.75   | 0.72   | 1.73   | 0.73   |
|                                 |      |  |  |                        |                    | 0                                 | 2.19                       | 0.72   | 2.14   | 0.73   | 2.09   | 0.74   | 2.07   | 0.74   | 2.05   | 0.75   | 2.02   | 0.75   | 1.99   | 0.76   |
|                                 |      |  |  |                        |                    | 2                                 | 2.30                       | 0.73   | 2.25   | 0.74   | 2.20   | 0.75   | 2.18   | 0.75   | 2.16   | 0.76   | 2.12   | 0.77   | 2.09   | 0.77   |
|                                 |      |  |  |                        |                    | 7                                 | 2.52                       | 0.75   | 2.46   | 0.77   | 2.42   | 0.78   | 2.40   | 0.78   | 2.37   | 0.79   | 2.33   | 0.79   | 2.30   | 0.80   |
|                                 |      |  |  |                        |                    | 10                                | 2.74                       | 0.78   | 2.68   | 0.79   | 2.63   | 0.80   | 2.61   | 0.81   | 2.59   | 0.81   | 2.54   | 0.82   | 2.51   | 0.83   |
|                                 |      |  |  |                        |                    | 15                                | 3.01                       | 0.81   | 2.95   | 0.82   | 2.90   | 0.83   | 2.88   | 0.84   | 2.85   | 0.84   | 2.81   | 0.85   | 2.77   | 0.86   |
| 2500                            |      |  |  | 2500                   | 63%                | -15                               | 1.77                       | 0.68   | 1.72   | 0.69   | 1.67   | 0.69   | 1.65   | 0.70   | 1.63   | 0.70   | 1.59   | 0.71   | 1.56   | 0.72   |
|                                 |      |  |  |                        |                    | -10                               | 2.13                       | 0.71   | 2.07   | 0.72   | 2.01   | 0.73   | 1.99   | 0.74   | 1.97   | 0.74   | 1.93   | 0.75   | 1.89   | 0.75   |
|                                 |      |  |  |                        |                    | -5                                | 2.48                       | 0.75   | 2.42   | 0.76   | 2.36   | 0.77   | 2.33   | 0.77   | 2.31   | 0.78   | 2.27   | 0.78   | 2.23   | 0.79   |
|                                 |      |  |  |                        |                    | 0                                 | 2.83                       | 0.78   | 2.76   | 0.79   | 2.71   | 0.80   | 2.68   | 0.81   | 2.65   | 0.81   | 2.61   | 0.82   | 2.57   | 0.83   |
|                                 |      |  |  |                        |                    | 2                                 | 2.97                       | 0.79   | 2.90   | 0.81   | 2.84   | 0.82   | 2.82   | 0.82   | 2.79   | 0.83   | 2.74   | 0.84   | 2.70   | 0.84   |
|                                 |      |  |  |                        |                    | 7                                 | 3.25                       | 0.82   | 3.18   | 0.83   | 3.12   | 0.85   | 3.10   | 0.85   | 3.06   | 0.86   | 3.01   | 0.87   | 2.97   | 0.87   |
|                                 |      |  |  |                        |                    | 10                                | 3.54                       | 0.85   | 3.46   | 0.86   | 3.40   | 0.87   | 3.37   | 0.88   | 3.34   | 0.88   | 3.29   | 0.89   | 3.24   | 0.90   |
|                                 |      |  |  |                        |                    | 15                                | 3.89                       | 0.88   | 3.81   | 0.90   | 3.75   | 0.91   | 3.71   | 0.92   | 3.68   | 0.92   | 3.63   | 0.93   | 3.58   | 0.94   |
| 3500                            |      |  |  | 3500                   | 88%                | -15                               | 2.18                       | 0.87   | 2.11   | 0.89   | 2.05   | 0.90   | 2.02   | 0.90   | 1.99   | 0.91   | 1.95   | 0.92   | 1.91   | 0.93   |
|                                 |      |  |  |                        |                    | -10                               | 2.61                       | 0.92   | 2.53   | 0.93   | 2.47   | 0.95   | 2.44   | 0.95   | 2.41   | 0.96   | 2.36   | 0.97   | 2.32   | 0.97   |
|                                 |      |  |  |                        |                    | -5                                | 3.04                       | 0.97   | 2.96   | 0.98   | 2.89   | 0.99   | 2.86   | 1.00   | 2.83   | 1.00   | 2.78   | 1.01   | 2.73   | 1.02   |
|                                 |      |  |  |                        |                    | 0                                 | 3.47                       | 1.01   | 3.39   | 1.03   | 3.32   | 1.04   | 3.28   | 1.05   | 3.25   | 1.05   | 3.19   | 1.06   | 3.14   | 1.07   |
|                                 |      |  |  |                        |                    | 2                                 | 3.64                       | 1.03   | 3.56   | 1.04   | 3.49   | 1.06   | 3.45   | 1.06   | 3.42   | 1.07   | 3.36   | 1.08   | 3.31   | 1.09   |
|                                 |      |  |  |                        |                    | 7                                 | 3.99                       | 1.06   | 3.90   | 1.08   | 3.83   | 1.09   | 3.80   | 1.10   | 3.76   | 1.11   | 3.69   | 1.12   | 3.64   | 1.13   |
|                                 |      |  |  |                        |                    | 10                                | 4.33                       | 1.10   | 4.25   | 1.12   | 4.17   | 1.13   | 4.13   | 1.14   | 4.09   | 1.15   | 4.03   | 1.16   | 3.97   | 1.17   |
|                                 |      |  |  |                        |                    | 15                                | 4.77                       | 1.14   | 4.68   | 1.16   | 4.59   | 1.18   | 4.55   | 1.18   | 4.52   | 1.19   | 4.45   | 1.20   | 4.38   | 1.22   |
| 2000                            | 2000 |  |  | 4000                   | 100%               | -15                               | 2.40                       | 0.72   | 2.33   | 0.73   | 2.26   | 0.74   | 2.23   | 0.74   | 2.20   | 0.74   | 2.15   | 0.75   | 2.11   | 0.76   |
|                                 |      |  |  |                        |                    | -10                               | 2.88                       | 0.75   | 2.80   | 0.76   | 2.73   | 0.77   | 2.70   | 0.78   | 2.67   | 0.78   | 2.61   | 0.79   | 2.57   | 0.80   |
|                                 |      |  |  |                        |                    | -5                                | 3.36                       | 0.79   | 3.27   | 0.80   | 3.20   | 0.81   | 3.16   | 0.82   | 3.13   | 0.82   | 3.07   | 0.83   | 3.02   | 0.84   |
|                                 |      |  |  |                        |                    | 0                                 | 3.83                       | 0.83   | 3.75   | 0.84   | 3.66   | 0.85   | 3.63   | 0.86   | 3.59   | 0.86   | 3.53   | 0.87   | 3.48   | 0.88   |
|                                 |      |  |  |                        |                    | 2                                 | 4.02                       | 0.84   | 3.93   | 0.85   | 3.85   | 0.87   | 3.81   | 0.87   | 3.78   | 0.88   | 3.71   | 0.89   | 3.66   | 0.89   |
|                                 |      |  |  |                        |                    | 7                                 | 4.41                       | 0.87   | 4.31   | 0.88   | 4.23   | 0.90   | 4.20   | 0.90   | 4.15   | 0.91   | 4.08   | 0.92   | 4.02   | 0.92   |
|                                 |      |  |  |                        |                    | 10                                | 4.79                       | 0.90   | 4.69   | 0.91   | 4.60   | 0.93   | 4.56   | 0.93   | 4.52   | 0.94   | 4.45   | 0.95   | 4.39   | 0.96   |
|                                 |      |  |  |                        |                    | 15                                | 5.27                       | 0.94   | 5.17   | 0.95   | 5.08   | 0.96   | 5.03   | 0.97   | 4.99   | 0.97   | 4.91   | 0.99   | 4.85   | 0.99   |
| 2000                            | 2500 |  |  | 4500                   | 113%               | -15                               | 2.40                       | 0.73   | 2.33   | 0.74   | 2.26   | 0.75   | 2.23   | 0.76   | 2.20   | 0.76   | 2.15   | 0.77   | 2.11   | 0.77   |
|                                 |      |  |  |                        |                    | -10                               | 2.88                       | 0.77   | 2.80   | 0.78   | 2.73   | 0.79   | 2.70   | 0.80   | 2.67   | 0.80   | 2.61   | 0.81   | 2.57   | 0.82   |
|                                 |      |  |  |                        |                    | -5                                | 3.36                       | 0.81   | 3.27   | 0.82   | 3.20   | 0.83   | 3.16   | 0.84   | 3.13   | 0.84   | 3.07   | 0.85   | 3.02   | 0.86   |
|                                 |      |  |  |                        |                    | 0                                 | 3.83                       | 0.85   | 3.75   | 0.86   | 3.66   | 0.87   | 3.63   | 0.87   | 3.59   | 0.88   | 3.53   | 0.89   | 3.48   | 0.90   |
|                                 |      |  |  |                        |                    | 2                                 | 4.02                       | 0.86   | 3.93   | 0.87   | 3.85   | 0.88   | 3.81   | 0.89   | 3.78   | 0.90   | 3.71   | 0.90   | 3.66   | 0.91   |
|                                 |      |  |  |                        |                    | 7                                 | 4.41                       | 0.89   | 4.31   | 0.90   | 4.23   | 0.92   | 4.20   | 0.92   | 4.15   | 0.93   | 4.08   | 0.94   | 4.02   | 0.95   |
|                                 |      |  |  |                        |                    | 10                                | 4.79                       | 0.92   | 4.69   | 0.93   | 4.60   | 0.95   | 4.56   | 0.95   | 4.52   | 0.96   | 4.45   | 0.97   | 4.39   | 0.98   |
|                                 |      |  |  |                        |                    | 15                                | 5.27                       | 0.96   | 5.17   | 0.97   | 5.08   | 0.98   | 5.03   | 0.99   | 4.99   | 1.00   | 4.91   | 1.01   | 4.85   | 1.02   |

## 12. Capacity Table

| Combination<br>(Capacity Index) |      |  |  | Combination<br>(Total) | Combination<br>(%) | Outdoor<br>Temperature<br>(°C,DB) | Indoor Temperature(°C, DB) |        |        |        |        |        |        |        |        |        |        |        |        |        |
|---------------------------------|------|--|--|------------------------|--------------------|-----------------------------------|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                                 |      |  |  |                        |                    |                                   | 14                         |        | 16     |        | 18     |        | 20     |        | 21     |        | 22     |        | 24     |        |
|                                 |      |  |  |                        |                    |                                   | TC(kW)                     | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) | TC(kW) | PI(kW) |
| 2000                            | 3500 |  |  | 5500                   | 138%               | -15                               | 2.40                       | 0.74   | 2.33   | 0.75   | 2.26   | 0.76   | 2.23   | 0.76   | 2.20   | 0.77   | 2.15   | 0.78   | 2.11   | 0.78   |
|                                 |      |  |  |                        |                    | -10                               | 2.88                       | 0.78   | 2.80   | 0.79   | 2.73   | 0.80   | 2.70   | 0.80   | 2.67   | 0.81   | 2.61   | 0.82   | 2.57   | 0.82   |
|                                 |      |  |  |                        |                    | -5                                | 3.36                       | 0.82   | 3.27   | 0.83   | 3.20   | 0.84   | 3.16   | 0.84   | 3.13   | 0.85   | 3.07   | 0.86   | 3.02   | 0.87   |
|                                 |      |  |  |                        |                    | 0                                 | 3.83                       | 0.85   | 3.75   | 0.87   | 3.66   | 0.88   | 3.63   | 0.88   | 3.59   | 0.89   | 3.53   | 0.90   | 3.48   | 0.91   |
|                                 |      |  |  |                        |                    | 2                                 | 4.02                       | 0.87   | 3.93   | 0.88   | 3.85   | 0.89   | 3.81   | 0.90   | 3.78   | 0.91   | 3.71   | 0.91   | 3.66   | 0.92   |
|                                 |      |  |  |                        |                    | 7                                 | 4.41                       | 0.90   | 4.31   | 0.91   | 4.23   | 0.93   | 4.20   | 0.93   | 4.15   | 0.94   | 4.08   | 0.95   | 4.02   | 0.96   |
|                                 |      |  |  |                        |                    | 10                                | 4.79                       | 0.93   | 4.69   | 0.94   | 4.60   | 0.96   | 4.56   | 0.96   | 4.52   | 0.97   | 4.45   | 0.98   | 4.39   | 0.99   |
|                                 |      |  |  |                        |                    | 15                                | 5.27                       | 0.97   | 5.17   | 0.98   | 5.08   | 1.00   | 5.03   | 1.00   | 4.99   | 1.01   | 4.91   | 1.02   | 4.85   | 1.03   |
| 2500                            | 2500 |  |  | 5000                   | 125%               | -15                               | 2.40                       | 0.75   | 2.33   | 0.76   | 2.26   | 0.77   | 2.23   | 0.77   | 2.20   | 0.78   | 2.15   | 0.78   | 2.11   | 0.79   |
|                                 |      |  |  |                        |                    | -10                               | 2.88                       | 0.79   | 2.80   | 0.80   | 2.73   | 0.81   | 2.70   | 0.81   | 2.67   | 0.82   | 2.61   | 0.83   | 2.57   | 0.83   |
|                                 |      |  |  |                        |                    | -5                                | 3.36                       | 0.83   | 3.27   | 0.84   | 3.20   | 0.85   | 3.16   | 0.85   | 3.13   | 0.86   | 3.07   | 0.87   | 3.02   | 0.87   |
|                                 |      |  |  |                        |                    | 0                                 | 3.83                       | 0.86   | 3.75   | 0.88   | 3.66   | 0.89   | 3.63   | 0.89   | 3.59   | 0.90   | 3.53   | 0.91   | 3.48   | 0.92   |
|                                 |      |  |  |                        |                    | 2                                 | 4.02                       | 0.88   | 3.93   | 0.89   | 3.85   | 0.90   | 3.81   | 0.91   | 3.78   | 0.91   | 3.71   | 0.92   | 3.66   | 0.93   |
|                                 |      |  |  |                        |                    | 7                                 | 4.41                       | 0.91   | 4.31   | 0.92   | 4.23   | 0.94   | 4.20   | 0.94   | 4.15   | 0.95   | 4.08   | 0.96   | 4.02   | 0.97   |
|                                 |      |  |  |                        |                    | 10                                | 4.79                       | 0.94   | 4.69   | 0.95   | 4.60   | 0.97   | 4.56   | 0.97   | 4.52   | 0.98   | 4.45   | 0.99   | 4.39   | 1.00   |
|                                 |      |  |  |                        |                    | 15                                | 5.27                       | 0.98   | 5.17   | 0.99   | 5.08   | 1.01   | 5.03   | 1.01   | 4.99   | 1.02   | 4.91   | 1.03   | 4.85   | 1.04   |
| 2500                            | 3500 |  |  | 6000                   | 150%               | -15                               | 2.40                       | 0.76   | 2.33   | 0.77   | 2.26   | 0.78   | 2.23   | 0.78   | 2.20   | 0.79   | 2.15   | 0.79   | 2.11   | 0.80   |
|                                 |      |  |  |                        |                    | -10                               | 2.88                       | 0.79   | 2.80   | 0.81   | 2.73   | 0.82   | 2.70   | 0.82   | 2.67   | 0.83   | 2.61   | 0.83   | 2.57   | 0.84   |
|                                 |      |  |  |                        |                    | -5                                | 3.36                       | 0.83   | 3.27   | 0.85   | 3.20   | 0.86   | 3.16   | 0.86   | 3.13   | 0.87   | 3.07   | 0.88   | 3.02   | 0.88   |
|                                 |      |  |  |                        |                    | 0                                 | 3.83                       | 0.87   | 3.75   | 0.89   | 3.66   | 0.90   | 3.63   | 0.90   | 3.59   | 0.91   | 3.53   | 0.92   | 3.48   | 0.93   |
|                                 |      |  |  |                        |                    | 2                                 | 4.02                       | 0.89   | 3.93   | 0.90   | 3.85   | 0.91   | 3.81   | 0.92   | 3.78   | 0.92   | 3.71   | 0.93   | 3.66   | 0.94   |
|                                 |      |  |  |                        |                    | 7                                 | 4.41                       | 0.92   | 4.31   | 0.93   | 4.23   | 0.95   | 4.20   | 0.95   | 4.15   | 0.96   | 4.08   | 0.97   | 4.02   | 0.98   |
|                                 |      |  |  |                        |                    | 10                                | 4.79                       | 0.95   | 4.69   | 0.96   | 4.60   | 0.98   | 4.56   | 0.98   | 4.52   | 0.99   | 4.45   | 1.00   | 4.39   | 1.01   |
|                                 |      |  |  |                        |                    | 15                                | 5.27                       | 0.99   | 5.17   | 1.00   | 5.08   | 1.02   | 5.03   | 1.02   | 4.99   | 1.03   | 4.91   | 1.04   | 4.85   | 1.05   |

### NOTE

- The performance table shows the average value of each conditions.
- The above is the value for connecting with the following indoor units.
  - 2000, 2500, 3500W class : AR07TXFCAWKNEU, AR09TXFCAWKNEU, AR12TXFCAWKNEU
- The total ability of connected a indoor unit is up to 6.0kW
- It is impossible to connect the indoor unit for one room only.
- This data is reference data for temperature capacity trend.