# YORK® GRANDE HIGH EFFICIENCY AIR CONDITIONERS

## FAMILY-FRIENDLY AIR CONDITIONERS FOR TODAY'S SMART GENERATION


YORK BY JOHNSON CONTROLS

Johnson Controls

# Unique Features for a More Comfortable Environment


## Lifestyle

Designed to suit your stylish and modern lifestyle, the Grande Series indoor unit's sleek flat panel design in tasteful off-white will elegantly match your home interior.

### Bright LED

Bright and crisp LED light display shows the temperature and function settings clearly. Deactivate the LED display using the remote control whenever you wish.


### Wireless Remote Controller

Attractive backlit illuminated LCD wireless remote controller clearly displays the temperature and other function settings. Adjusting the air-conditioner settings in the dark has never been so convenient.

### Smart control Wi-Fi Function (Optional)

The app is available on the Apple® App store and Google Play™ store.

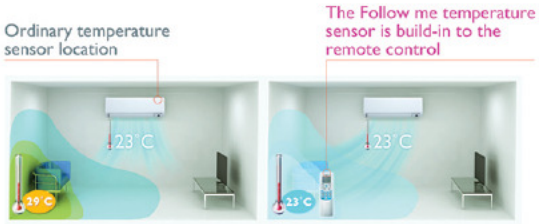
### Unique Features


* additional purchase of Wi-Fi dongle is required for each indoor unit.

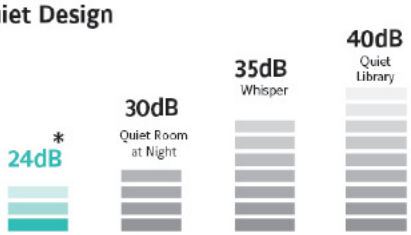
** features under development at time of print.

### Follow Me

"Follow Me" is a unique built-in feature in the remote controller. When activated, the indoor unit will sense the setting temperature according to where the remote controller is placed, resulting in more precise cooling.




### Quiet Design




* based on YCHMXC009 at low speed

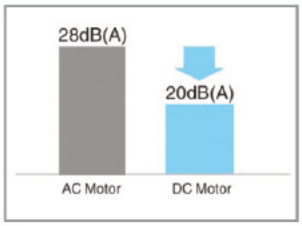
### Other Features

# Grande Inverter Technology

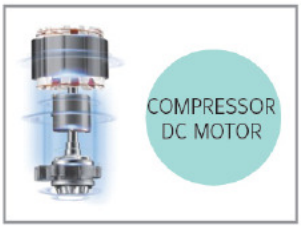
## Indoor Unit

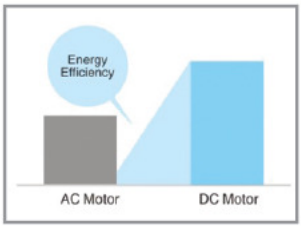

## Outdoor Unit

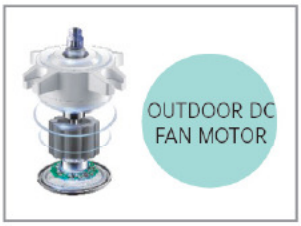


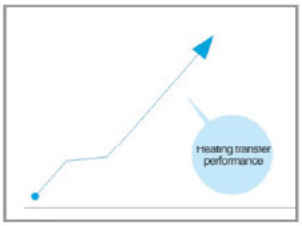



* 20dB(A) Sound data for motor only





## All DC Motors System

Direct Current (DC) motors effectively improve efficiency, increase stability during operation, enhance durability and reduce the noise produced by motors.

## Twin Rotary Compressor

With double cams, our twin rotary compressor has several features that increase its performance and reliability. The opposite double blade design yields mechanical stability and less vibration that could cause stress on other components. Being able to reduce the rpm without causing instability enables more precise capacity output and temperature control. The Twin Rotary Compressor operates at a quieter level compared to conventional rotary compressors. With refrigerant R410A, it is more efficient than normal scroll compressors.

## Annual energy cost saving of up to 50%

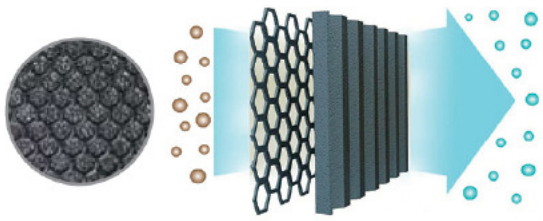
# Creating a Healthier Environment


### Negative Ionizer

The built-in ionizer produces negative oxygen ions that help to improve our blood circulation and respiratory functions, thus helping to prevent respiratory diseases such as asthma and pneumonia. Further, ionizers at high static produces anions that can eliminate dust and smoke in our blood circulation system, improving lung function and effectively prevent respiratory passage illnesses such as asthma and pneumonia. Further, ionizers at high static produces anions that can eliminate dust and smoke in our homes.

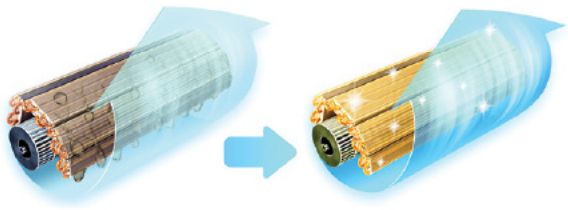
### Formaldehyde Filter

Effectively filter out formaldehyde and other volatile organic compounds (VOCs) such as odour from new paint, new furniture and harmful gases, etc. This brings you healthier air and creates a safer environment for your family.



### Self-Cleaning Anti-Mold & Bacteria

When the unit is switched off, the drying operation will be automatically activated to dry out the coil and internal surfaces. This drying out process helps prevent the growth of molds and minimize the possibility of bacterial cultivation within the indoor unit - an important feature to keep your family healthy.



# Specifications

## Indoor Units

YCHMXC009
YCHMXC012

YCHMXC018

## Outdoor Units

YCHMYC021
YCHMYC028

YCHMYC032

**Multi Split Inverter - Indoor Unit**

| Abbreviated Model | | | YCHMXC009 | YCHMXC012 | YCHMXC018 |
|---|---|---|---|---|---|
| Full Model | | | YCHMXC009BAMS-FX | YCHMXC012BAMS-FX | YCHMXC018BAMS-FX |
| Power Supply | | V/Ph/Hz | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 |
| Cooling | Capacity | Btu/Hr | 9000 | 12000 | 18000 |
| | Input | Watts | 24 | 24 | 60 |
| | Rated Current | Amp | 0.11 | 0.11 | 0.27 |
| Indoor Air Flow (Hi/Mi/Lo) | | M3/Hr | 1050/850/650 | 1150/950/800 | 1050/850/750 |
| Indoor Noise Level (Hi/Mi/Lo) | | dB(A) | 37/32/24 | 41/36/29 | 43/37/31 |
| Indoor Unit | Dimension (WxDxH) | MM | 835x198x280 | 835x198x280 | 990x218x315 |
| | Packing (WxDxH) | MM | 910x270x355 | 910x270x355 | 1065x300x400 |
| | Net/Gross Weight | KG | 9/11 | 9/11 | 12/14 |
| | Liquid , Gas | Inches | 1/4", 3/8" | 1/4", 3/8" | 1/4", 1/2" |
| Indoor Operating Temperature Range | | °C | 17-30 | 17-30 | 17-30 |

**Multi Split Inverter - Outdoor Unit**

| Abbreviated Model | | | YCHMYC021 | YCHMYC028 | YCHMYC032 |
|---|---|---|---|---|---|
| Full Model | | | YCHMYC021BAMSA-X | YCHMYC028BAMSA-X | YCHMYC032BAMSA-X |
| Power Supply | | V/Ph/Hz | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 |
| Cooling | Capacity | Btu/hr | 20472(8871-24566) | 26613(9212-31049) | 29684(9212-34734) |
| | Rated Input | Watts | 1380(680-2100) | 1800(703-2700) | 2030(703-3000) |
| | Rated Current | Amp | 7.05(2.95-10) | 8.80(3.06-13) | 9.10(3.06-14) |
| | Energy Label (2014) | Ticks | √√√√ | √√√√ | √√√√ |
| Outdoor Air Flow | | M3/Hr | 2900 | 2800 | 4300 |
| Outdoor Noise Level | | dB(A) | 54 | 57 | 60 |
| Outdoor Unit | Dimension (WxDxH) | MM | 845x320x700 | 845x320x700 | 945x395x810 |
| | Packing (WxDxH) | MM | 965x395x755 | 965x395x755 | 1090x475x855 |
| | Net/Gross weight | KG | 45/49 | 52/56 | 70/74 |
| Refrigerant Type | | | R410a | R410a | R410a |
| Refrigerant Charge | | Grams | 1500 | 2400 | 3700 |
| Refrigerant Piping | Liquid , Gas | Inches | 1/4", 3/8" (3x) | 1/4", 3/8" (4x) | 1/4", 3/8" (4x) |
| | Transfer Connector (3/8"→1/2") | Qty | 2 | 2 | 3 |
| | Max. Piping Length (Overall) | Metres | 45 | 60 | 60 |
| | Max. Piping Length (Each Indoor Unit) | Metres | 25 | 30 | 30 |
| | Max. Difference In Height (Each Indoor Unit) | Metres | 10 | 10 | 10 |

# Specifications

**System 3 YCHMYC021 – No Current Limitation**

| Abbreviated Outdoor Model | | YCHMYC021 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling Capacity (KW) | | | | Running Current (Amp) | | | Input (KW) | | |
| Operation | Indoor | A Room | B Room | C Room | Total | Min. | Rated | Max. | Min. | Rated | Max. |
| 1 Room | 9 | 2.60 | | | 2.60 | 2.95 | 3.23 | 3.88 | 0.68 | 0.74 | 0.89 |
| | 12 | 3.20 | | | 3.20 | 3.04 | 3.98 | 4.77 | 0.70 | 0.91 | 1.10 |
| | 18 | 5.30 | | | 5.30 | 2.56 | 6.40 | 7.68 | 0.59 | 1.47 | 1.77 |
| 2 Rooms | 9+9 | 2.60 | 2.60 | | 5.20 | 3.12 | 6.11 | 7.82 | 0.72 | 1.41 | 1.80 |
| | 9+12 | 2.60 | 3.40 | | 6.00 | 3.21 | 7.05 | 9.02 | 0.74 | 1.62 | 2.08 |
| | 9+18 | 2.30 | 4.70 | | 7.00 | 3.20 | 8.01 | 9.13 | 0.74 | 1.84 | 2.10 |
| | 12+12 | 3.20 | 3.20 | | 6.40 | 2.85 | 7.13 | 8.56 | 0.66 | 1.64 | 1.97 |
| | 12+18 | 2.80 | 4.60 | | 7.40 | 3.22 | 8.04 | 9.09 | 0.74 | 1.85 | 2.09 |
| 3 Rooms | 9+9+9 | 2.40 | 2.40 | 2.40 | 7.20 | 3.05 | 7.64 | 9.00 | 0.70 | 1.76 | 2.07 |
| | 9+9+12 | 2.20 | 2.20 | 3.00 | 7.40 | 3.06 | 7.66 | 9.04 | 0.70 | 1.76 | 2.08 |
| | 9+9+18 | 2.00 | 2.00 | 3.80 | 7.80 | 3.15 | 7.89 | 9.07 | 0.73 | 1.81 | 2.09 |
| | 9+12+12 | 2.00 | 2.80 | 2.80 | 7.60 | 3.07 | 7.68 | 9.07 | 0.71 | 1.77 | 2.09 |
| | 12+12+12 | 2.60 | 2.60 | 2.60 | 7.80 | 3.15 | 7.89 | 9.07 | 0.73 | 1.81 | 2.09 |

**System 3 YCHMYC021 – 8.5 Amp Current Limitation**

| Abbreviated Outdoor Model | | YCHMYC021 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling Capacity (KW) | | | | Running Current (Amp) | | | Input (KW) | | |
| Operation | Indoor | A Room | B Room | C Room | Total | Min. | Rated | Max. | Min. | Rated | Max. |
| 1 Room | 9 | 2.60 | | | 2.60 | 2.95 | 3.23 | 3.88 | 0.68 | 0.74 | 0.89 |
| | 12 | 3.20 | | | 3.20 | 3.04 | 3.98 | 4.77 | 0.70 | 0.91 | 1.10 |
| | 18 | 5.30 | | | 5.30 | 2.56 | 6.40 | 7.68 | 0.59 | 1.47 | 1.77 |
| 2 Rooms | 9+9 | 2.60 | 2.60 | | 5.20 | 3.12 | 6.11 | 7.33 | 0.72 | 1.41 | 1.69 |
| | 9+12 | 2.60 | 3.40 | | 6.00 | 3.21 | 7.05 | 8.50 | 0.74 | 1.62 | 1.96 |
| | 9+18 | 2.30 | 4.70 | | 7.00 | 3.20 | 8.01 | 8.50 | 0.74 | 1.84 | 1.96 |
| | 12+12 | 3.20 | 3.20 | | 6.40 | 2.85 | 7.13 | 8.50 | 0.66 | 1.64 | 1.96 |
| | 12+18 | 2.80 | 4.60 | | 7.40 | 3.22 | 8.04 | 8.50 | 0.74 | 1.85 | 1.96 |
| 3 Rooms | 9+9+9 | 2.40 | 2.40 | 2.40 | 7.20 | 3.05 | 7.64 | 8.50 | 0.70 | 1.76 | 1.96 |
| | 9+9+12 | 2.20 | 2.20 | 3.00 | 7.40 | 3.06 | 7.66 | 8.50 | 0.70 | 1.76 | 1.96 |
| | 9+9+18 | 2.00 | 2.00 | 3.80 | 7.80 | 3.15 | 7.89 | 8.50 | 0.73 | 1.81 | 1.96 |
| | 9+12+12 | 2.00 | 2.80 | 2.80 | 7.60 | 3.07 | 7.68 | 8.50 | 0.71 | 1.77 | 1.96 |
| | 12+12+12 | 2.60 | 2.60 | 2.60 | 7.80 | 3.15 | 7.89 | 8.50 | 0.73 | 1.81 | 1.96 |

**System 4 YCHMYC028 – No Current Limitation**

| Abbreviated Outdoor Model | | YCHMYC028 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling Capacity (KW) | | | | | Running Current (Amp) | | | Input (KW) | |
| Operation | Indoor | A Room | B Room | C Room | D Room | Total | Min. | Rated | Max. | Min. | Rated | Max. |
| 1 Room | 9 | 2.70 | | | | 2.70 | 3.06 | 3.35 | 4.02 | 0.70 | 0.77 | 0.93 |
| | 12 | 3.46 | | | | 3.46 | 3.29 | 4.30 | 5.16 | 0.76 | 0.99 | 1.19 |
| | 18 | 5.35 | | | | 5.35 | 3.51 | 6.65 | 7.98 | 0.81 | 1.53 | 1.83 |
| 2 Rooms | 9+9 | 2.60 | 2.60 | | | 5.20 | 3.74 | 6.28 | 8.04 | 0.86 | 1.44 | 1.85 |
| | 9+12 | 2.60 | 3.45 | | | 6.05 | 3.87 | 7.11 | 9.11 | 0.89 | 1.64 | 2.09 |
| | 9+18 | 2.50 | 5.10 | | | 7.60 | 3.48 | 8.70 | 11.13 | 0.80 | 2.00 | 2.56 |
| | 12+12 | 3.40 | 3.40 | | | 6.80 | 3.20 | 7.99 | 10.23 | 0.74 | 1.84 | 2.35 |
| | 12+18 | 3.10 | 4.80 | | | 7.90 | 3.52 | 8.81 | 11.27 | 0.81 | 2.03 | 2.59 |
| | 18+18 | 4.40 | 4.40 | | | 8.80 | 3.92 | 9.81 | 11.58 | 0.90 | 2.26 | 2.66 |
| 3 Rooms | 9+9+9 | 2.40 | 2.40 | 2.40 | | 7.20 | 3.21 | 8.03 | 9.87 | 0.74 | 1.85 | 2.27 |
| | 9+9+12 | 2.40 | 2.40 | 3.10 | | 7.90 | 3.43 | 8.59 | 10.30 | 0.79 | 1.98 | 2.37 |
| | 9+9+18 | 2.23 | 2.23 | 4.30 | | 8.77 | 3.72 | 9.30 | 10.97 | 0.86 | 2.14 | 2.52 |
| | 9+12+12 | 2.50 | 3.08 | 3.08 | | 8.65 | 3.67 | 9.17 | 11.19 | 0.84 | 2.11 | 2.57 |
| | 9+12+18 | 2.13 | 2.62 | 4.34 | | 9.09 | 3.76 | 9.41 | 11.00 | 0.87 | 2.16 | 2.53 |
| | 9+18+18 | 1.82 | 3.64 | 3.64 | | 9.10 | 3.74 | 9.35 | 10.94 | 0.86 | 2.15 | 2.52 |
| | 12+12+12 | 2.95 | 2.95 | 2.95 | | 8.85 | 3.71 | 9.27 | 10.94 | 0.85 | 2.13 | 2.52 |
| | 12+12+18 | 2.58 | 2.58 | 3.86 | | 9.02 | 3.73 | 9.34 | 10.92 | 0.86 | 2.15 | 2.51 |
| 4 Rooms | 9+9+9+9 | 2.26 | 2.26 | 2.26 | 2.26 | 9.02 | 3.65 | 9.12 | 10.67 | 0.84 | 2.10 | 2.45 |
| | 9+9+9+12 | 2.15 | 2.15 | 2.15 | 2.64 | 9.09 | 3.68 | 9.19 | 10.75 | 0.85 | 2.11 | 2.47 |
| | 9+9+9+18 | 1.82 | 1.82 | 1.82 | 3.64 | 9.10 | 3.68 | 9.20 | 10.77 | 0.85 | 2.12 | 2.48 |
| | 9+9+12+12 | 1.95 | 1.95 | 2.60 | 2.60 | 9.10 | 3.68 | 9.20 | 10.77 | 0.85 | 2.12 | 2.48 |
| | 9+12+12+12 | 1.87 | 2.41 | 2.41 | 2.41 | 9.10 | 3.68 | 9.20 | 10.77 | 0.85 | 2.12 | 2.48 |

**System 4 YCHMYC028 – 8.5 Amp Current Limitation**

| Abbreviated Outdoor Model | | YCHMYC028 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling Capacity (KW) | | | | | Running Current (Amp) | | | Input (KW) | |
| Operation | Indoor | A Room | B Room | C Room | D Room | Total | Min. | Rated | Max. | Min. | Rated | Max. |
| 1 Room | 9 | 2.70 | | | | 2.70 | 3.06 | 3.35 | 4.02 | 0.70 | 0.77 | 0.93 |
| | 12 | 3.46 | | | | 3.46 | 3.29 | 4.30 | 5.16 | 0.76 | 0.99 | 1.19 |
| | 18 | 5.35 | | | | 5.35 | 3.51 | 6.65 | 7.98 | 0.81 | 1.53 | 1.83 |
| 2 Rooms | 9+9 | 2.60 | 2.60 | | | 5.20 | 2.51 | 6.28 | 7.54 | 0.58 | 1.44 | 1.73 |
| | 9+12 | 2.60 | 3.45 | | | 6.05 | 2.85 | 7.11 | 8.50 | 0.65 | 1.64 | 1.96 |
| | 9+18 | 2.50 | 4.90 | | | 7.40 | 3.28 | 8.20 | 8.50 | 0.75 | 1.89 | 1.96 |
| | 12+12 | 3.40 | 3.40 | | | 6.80 | 3.20 | 7.99 | 8.50 | 0.74 | 1.84 | 1.96 |
| | 12+18 | 3.00 | 4.60 | | | 7.60 | 3.38 | 8.45 | 8.50 | 0.78 | 1.94 | 1.96 |
| | 18+18 | 4.40 | 4.40 | | | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| 3 Rooms | 9+9+9 | 2.60 | 2.60 | 2.60 | | 7.80 | 3.27 | 8.17 | 8.50 | 0.75 | 1.88 | 1.96 |
| | 9+9+12 | 2.40 | 2.40 | 3.40 | | 8.20 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 9+9+18 | 2.20 | 2.20 | 4.00 | | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 9+12+12 | 2.10 | 3.15 | 3.15 | | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 9+12+18 | 2.00 | 2.60 | 3.80 | | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 9+18+18 | 1.80 | 3.60 | 3.60 | | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 12+12+12 | 2.80 | 2.80 | 2.80 | | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 12+12+18 | 2.20 | 2.20 | 4.00 | | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| 4 Rooms | 9+9+9+9 | 2.10 | 2.10 | 2.10 | 2.10 | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 9+9+9+12 | 2.00 | 2.00 | 2.00 | 2.40 | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 9+9+9+18 | 1.70 | 1.70 | 1.70 | 3.30 | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 9+9+12+12 | 1.80 | 1.80 | 2.40 | 2.40 | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |
| | 9+12+12+12 | 1.80 | 2.20 | 2.20 | 2.20 | 8.40 | 3.40 | 8.50 | 8.50 | 0.78 | 1.96 | 1.96 |

**Sytem 4 YCHMYC032 – No Current Limitation**

| Abbreviated Outdoor Model | | YCHMYCYC032 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cooling Capacity (KW) | | | | | Running Current (Amp) | | | Input (KW) | |
| Operation | Indoor | A Room | B Room | C Room | D Room | Total | Min. | Rated | Max. | Min. | Rated | Max. |
| 1 Room | 9 | 2.70 | | | | 2.70 | 3.06 | 3.26 | 3.91 | 0.70 | 0.75 | 0.90 |
| | 12 | 3.50 | | | | 3.50 | 3.29 | 4.23 | 5.07 | 0.76 | 0.97 | 1.17 |
| | 18 | 5.40 | | | | 5.40 | 3.76 | 6.52 | 7.83 | 0.86 | 1.50 | 1.80 |
| 2 Rooms | 9+9 | 2.70 | 2.70 | | | 5.40 | 2.54 | 6.35 | 8.12 | 0.58 | 1.46 | 1.87 |
| | 9+12 | 2.60 | 3.40 | | | 6.00 | 2.82 | 7.05 | 9.02 | 0.65 | 1.62 | 2.08 |
| | 9+18 | 2.60 | 5.20 | | | 7.80 | 3.57 | 8.92 | 11.42 | 0.82 | 2.05 | 2.63 |
| | 12+12 | 3.40 | 3.40 | | | 6.80 | 3.11 | 7.78 | 9.96 | 0.72 | 1.79 | 2.29 |
| | 12+18 | 3.10 | 4.80 | | | 7.90 | 3.52 | 8.81 | 11.27 | 0.81 | 2.03 | 2.59 |
| | 18+18 | 4.50 | 4.50 | | | 9.00 | 3.91 | 9.78 | 11.54 | 0.90 | 2.25 | 2.66 |
| 3 Rooms | 9+9+9 | 2.50 | 2.50 | 2.50 | | 7.50 | 3.18 | 7.95 | 9.78 | 0.73 | 1.83 | 2.25 |
| | 9+9+12 | 2.50 | 2.50 | 3.20 | | 8.20 | 3.48 | 8.70 | 10.43 | 0.80 | 2.00 | 2.40 |
| | 9+9+18 | 2.40 | 2.40 | 4.60 | | 9.40 | 3.89 | 9.73 | 11.48 | 0.90 | 2.24 | 2.64 |
| | 9+12+12 | 2.50 | 3.40 | 3.40 | | 9.30 | 3.94 | 9.86 | 12.03 | 0.91 | 2.27 | 2.77 |
| | 9+12+18 | 2.30 | 3.20 | 4.50 | | 10.00 | 4.00 | 10.00 | 11.69 | 0.92 | 2.30 | 2.69 |
| | 9+18+18 | 2.00 | 4.00 | 4.00 | | 10.00 | 4.00 | 10.00 | 11.69 | 0.92 | 2.30 | 2.69 |
| | 12+12+12 | 3.20 | 3.20 | 3.20 | | 9.60 | 3.98 | 9.94 | 11.73 | 0.91 | 2.29 | 2.70 |
| | 12+12+18 | 2.80 | 2.80 | 4.40 | | 10.00 | 4.00 | 10.00 | 11.79 | 0.92 | 2.30 | 2.71 |
| 4 Rooms | 9+9+9+9 | 2.40 | 2.40 | 2.40 | 2.40 | 9.60 | 3.84 | 9.60 | 11.23 | 0.88 | 2.21 | 2.58 |
| | 9+9+9+12 | 2.40 | 2.40 | 2.40 | 2.80 | 10.00 | 4.00 | 10.00 | 11.69 | 0.92 | 2.30 | 2.69 |
| | 9+9+9+18 | 2.00 | 2.00 | 2.00 | 4.00 | 10.00 | 4.00 | 10.00 | 11.69 | 0.92 | 2.30 | 2.69 |
| | 9+9+12+12 | 2.20 | 2.20 | 2.80 | 2.80 | 10.00 | 4.00 | 10.00 | 11.69 | 0.92 | 2.30 | 2.69 |
| | 9+12+12+12 | 2.20 | 2.60 | 2.60 | 2.60 | 10.00 | 4.00 | 10.00 | 11.69 | 0.92 | 2.30 | 2.69 |

Note : 1. Cooling Capacity is based on : indoor temp. 27 C DB; 19 C WB, outdoor temp. 35 C DB

2. Specifications may be subject to change as we upgrade our product line-up.

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