



# Multi Split System Air Conditioners

Come home to comfort with LG



# Come Home To Comfort with LG air conditioners

LG makes life good by connecting with the real needs and desires of our customers and innovating around them. We passionately believe in improving the day-to-day lives of Australians via forward-thinking technological advancement.

## Why LG Air Conditioning

Designed for the way you live, our air conditioners are available in a wide range of styles - so you can create a space that's cool, comfortable and stylish.

## LG Multi-Split Systems Heat or cool multiple rooms in your home

LG Multi split system provides powerful, efficient cooling and heating with two, three, four, or up to five indoor units operating off a single outdoor unit.

LG's advanced inverter technology brings powerful performance while remaining energy efficient. Multi split systems use less space than installing individual single split systems.

A variety of sleek and elegant indoor units are available in a full range of capacities for all room sizes.

Installation is easy and it offers various convenient functions for easy maintenance.

## Home Connectivity

LG is making your life simpler and more convenient with connected appliances so you can now control your air conditioner with the sound of your voice.

Google Assistant\* is now compatible with LG Split System Air Conditioners.

This means, you can now delegate tasks or ask your LG Air Conditioner questions via the Google Assistant app or a compatible speaker.

The list of supported Google Assistant commands includes:

- OK Google, turn on the air conditioner
- OK Google, what's the temperature of the air conditioner
- OK Google, set the temperature to 22 degrees

This not only demonstrates LG's commitment to innovative technology in our products but continuously finding ways of helping busy Australian's in their day to day life.





\* Product Registration using both LG Smart ThinQ app & Google app is required. Internet, Wi-Fi connection and Google account required. Data usage may apply. Controlling devices and features requires compatible smart devices. Features and services may be changed without notice. Google is a trademark of Google LLC.





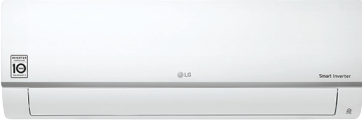




# MODEL LINE-UP

## OUTDOOR UNITS

| Type<br>kW | MULTI F<br>(Multi Piping)  | Connectable Indoor Units |                                | Phase | Combination Sample  |
|------------|--|--------------------------|--------------------------------|-------|---|
|            |  | Max. Indoor units        | Max. Total Capacity Index (kW) |       |   |
| 5.3        | <br>UHXM55MA2   | 3                        | 8.79                           | 1Ø    |  |
| 7.0        | <br>UHXM70MA1 | 4                        | 11.42                          | 1Ø    |   |
| 8.8        | <br>UHXM90MA1 | 5                        | 15.81                          | 1Ø    |   |

# INDOOR UNITS

| kW  | Type | Wall Mounted  |
|-----|------|---|
|     |      | Standard  |
| 2.1 |      |  <p>MS07AH3</p>   |
| 2.6 |      |  <p>MS09AH3</p> |
| 3.5 |      |  <p>MS12AH3</p> |
| 5.3 |      |  <p>MS18AH3</p> |
| 7.0 |      |  <p>MS24AH3</p> |

# FUNCTION SPECIFICATIONS

| Category              |                               | Multi F |      |      |
|-----------------------|-------------------------------|---------|------|------|
| kBtu/h                |                               | 18      | 24   | 30   |
| kW                    |                               | 5.27    | 7.03 | 8.79 |
| Energy Efficiency     | BLDC Comp & Fan Motor         | ●       | ●    | ●    |
|                       | Wide Louver Plus Fin          | ●       | ●    | ●    |
|                       | Optimised Heat Exchanger Path | ●       | ●    | ●    |
|                       | Smart Load Control            | ●       | ●    | ●    |
|                       | Peak Current Control          | ●       | ●    | ●    |
|                       | Standby Mode                  | ●       | ●    | ●    |
|                       | Mode Lock                     | ●       | ●    | ●    |
| Durability            | Twin Rotary Compressor        | ●       | ●    | ●    |
|                       | Smart Sensor Pressure Control | ●       | ●    | ●    |
| Comfort & Convenience | Fast Cooling & Heating        | ●       | ●    | ●    |
|                       | Silent Night Operation        | ●       | ●    | ●    |
|                       | Wiring Error Check            | ●       | ●    | ●    |
|                       | Monitoring PCB                | ●       | ●    | ●    |
|                       | LG MV                         | ●       | ●    | ●    |
|                       | Forced Cooling Operation      | ●       | ●    | ●    |

## KEY FEATURES

# SMART

## Built-in Wi-Fi Smart Control

The LG Smart ThinQ App lets you access and control your air conditioner with your smartphone\* even when you're not at home.

MS Series: in built WiFi feature (MS09, MS12, MS18, MS24)



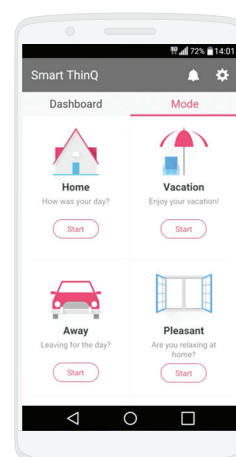
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I Controlling & Monitoring I



I Smart Diagnosis & Filter Manager I



I Integrated Home Appliances Control I



## KEY FEATURES

# ENERGY EFFICIENCY

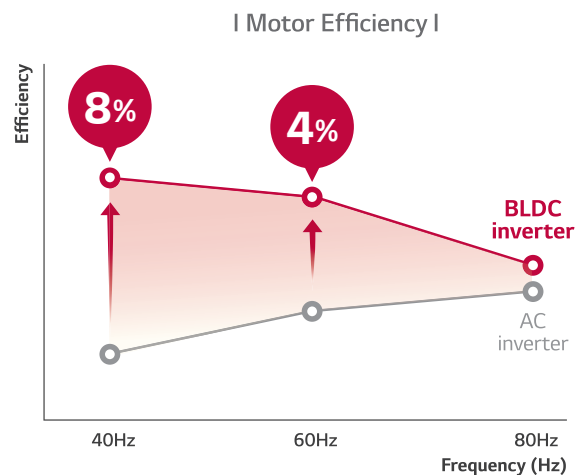
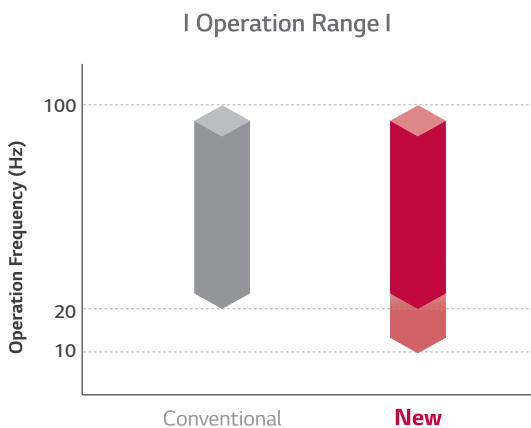
## Energy Efficiency

The advanced technologies of LG achieve low energy consumption regarding SEER.



## Powerful BLDC (Brushless Direct Current Motor) Compressor

LG air conditioners are equipped with a BLDC Inverter Twin Rotary Compressor that uses a neodymium magnetic core. The compressor has high efficiency and reliability, because it is excellent in controlling the operating speed depending on the load. The compressor has improved efficiency compared to standard AC inverter products and optimised for changes of outdoor load, and seasonal efficiency.





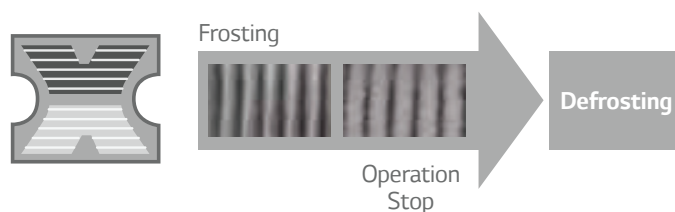
## KEY FEATURES

# ENERGY EFFICIENCY

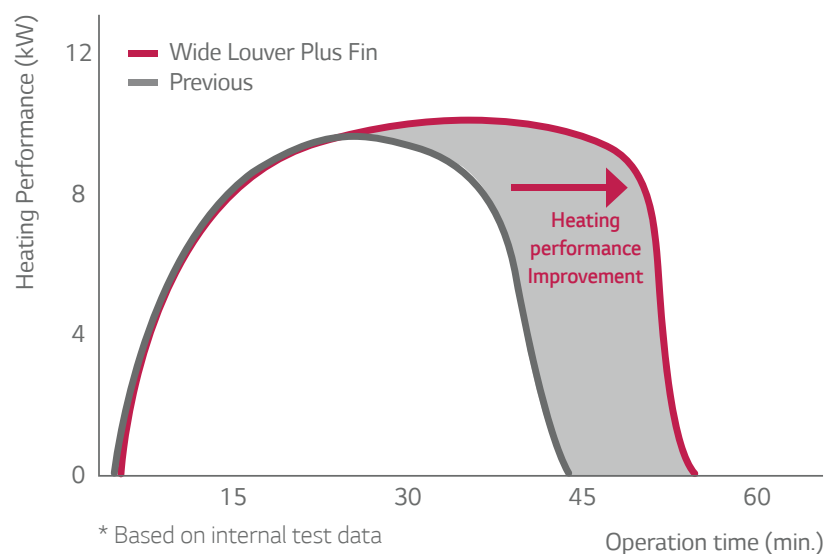
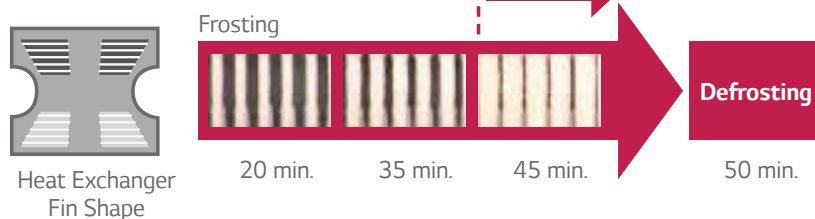
## Wide Louver Plus Fin

Wide Louver Plus fin technology increases full load heating performance by 1.1% and 6% with COP compared to conventional fins. It can also slow down the frosting on the heat exchanger and delay the start of defrosting mode.

### Previous LG model



### Wide Louver Plus

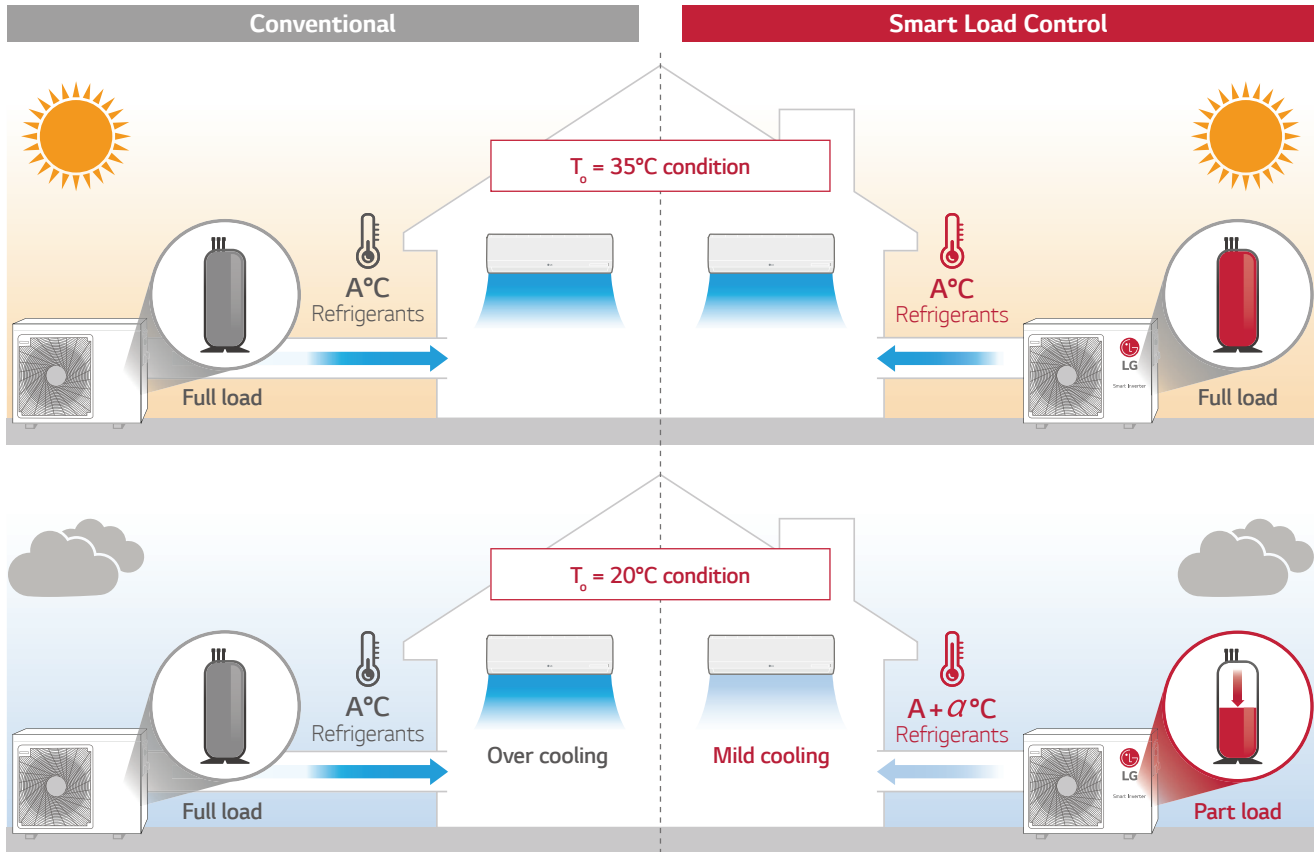


KEY FEATURES

# ENERGY EFFICIENCY

## Smart Load Control

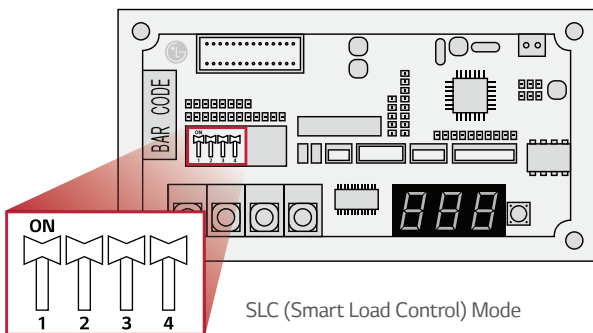
To save operation energy, it automatically controls the refrigerant temperature according to outside temperature.



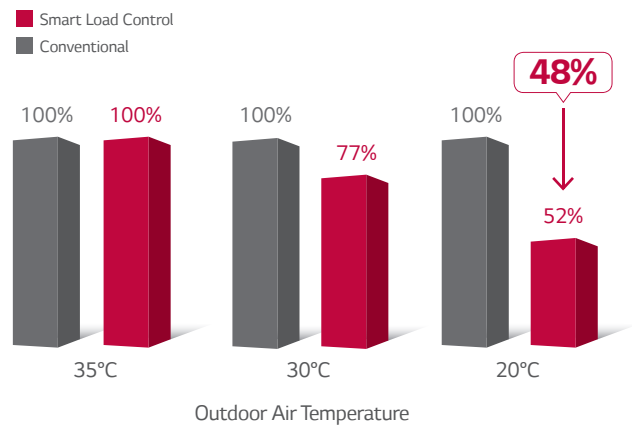
\*  $T_o$  : Outdoor temperature  
 \* A is the indoor unit coil temperature

### I How to set Dip Switch I

To operate smart load control, dip switch setting is required. It can help save energy during real time operation.



### I Real Time Energy Saving I



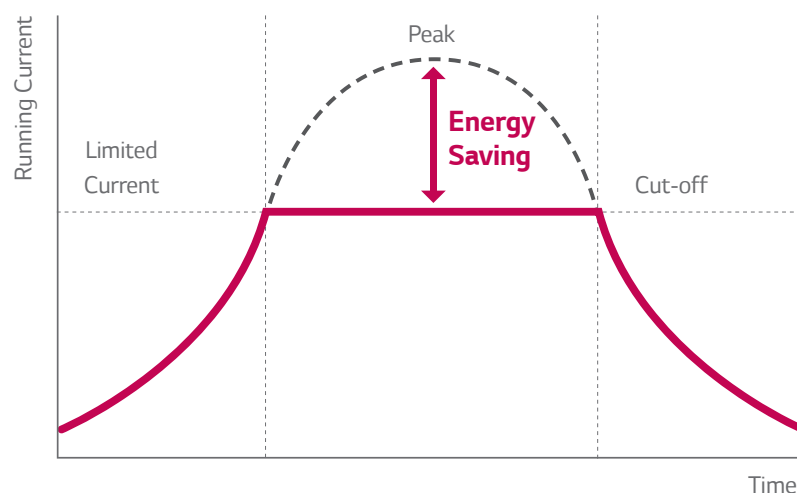
\*Tested model 6.2kW.

## KEY FEATURES

# ENERGY EFFICIENCY

## Peak Current Control (optional setting)

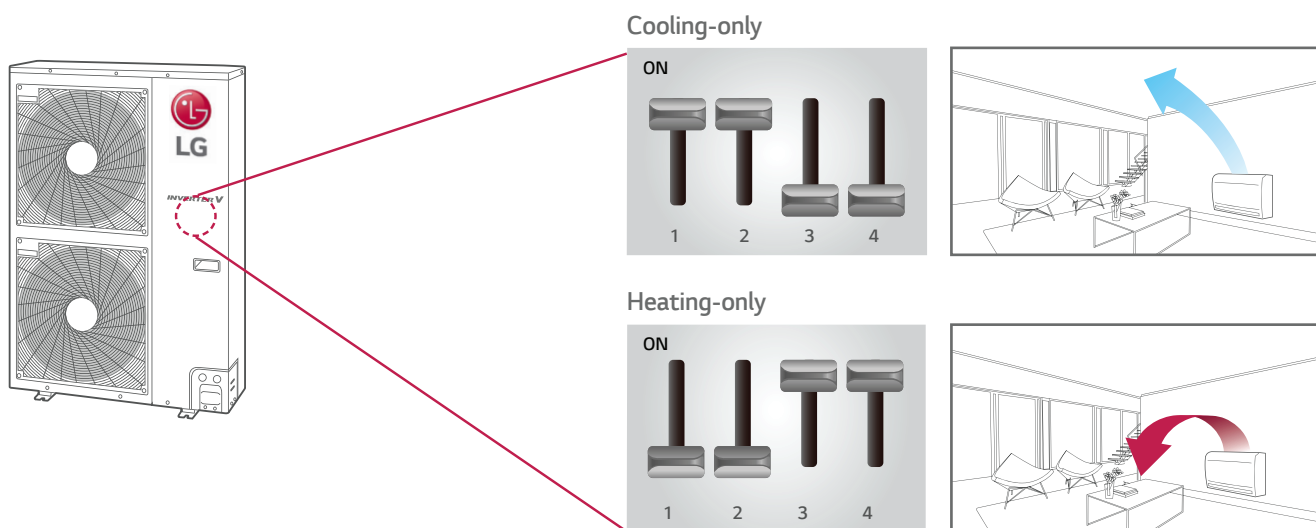
The peak current control function limits the air conditioner from running at the maximum level thus improving operating efficiency to help reduce energy consumption.



\*This function is not user adjustable, please contact your nearest AC installer.

## Mode Lock

Set the operation mode to either cooling-only or heating-only by adjusting the dip switch inside the unit. This will help prevent the mixed use of cooling and heating.



\* Applied to all MULTI outdoors

\*This function is not user adjustable, please contact your nearest AC installer.

## KEY FEATURES

# QUICK COOLING & HEATING

## Quick Operating Response

**Previous LG model**



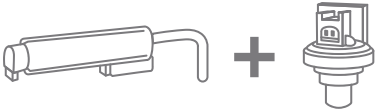
Temperature Sensor Only

**Step 1**  
Sensing current temperature of refrigerant, indoor and outdoor temperature.

**Step 2**  
**Estimating Pressure**  
Finding recorded target pressure to operate compressor, based on the corresponding temperature data.

This algorithm is more likely to be impacted by temperature change and it takes more time to calculate proper operation range of compressor to target point.

**LG Inverter**



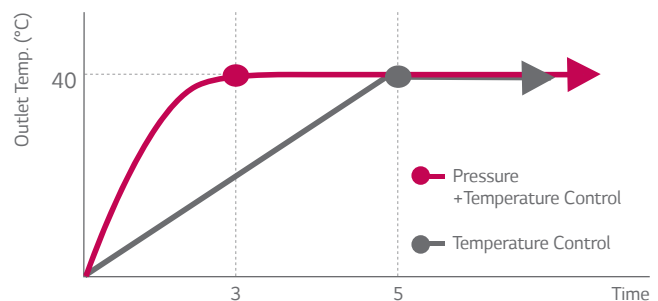
Temperature Sensor + Pressure Sensor

**Step 1**  
Sensing refrigerant pressure and temperature simultaneously to ready compressor for target cooling operation.

This ensures target performance and reliable operation.

Using both pressure and temperature sensors improves control accuracy and stability resulting in a quick operating response time.

### | Heating |



\* Based on internal test data

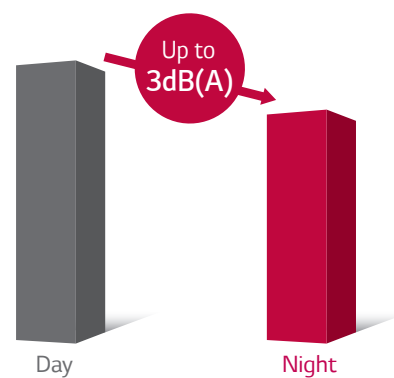
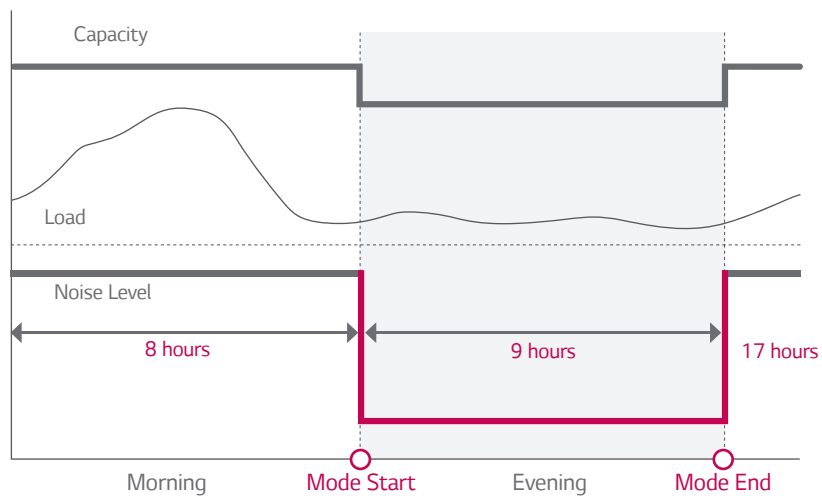
## KEY FEATURES

# QUIET & COMFORTABLE

## "Night Quiet" Operation

Night Quiet operation can reduce noise levels at night time by setting the dip switch on the PCB in the outdoor unit\*.

### I Cooling Mode I



\*This function is not user adjustable, please contact your nearest AC installer.



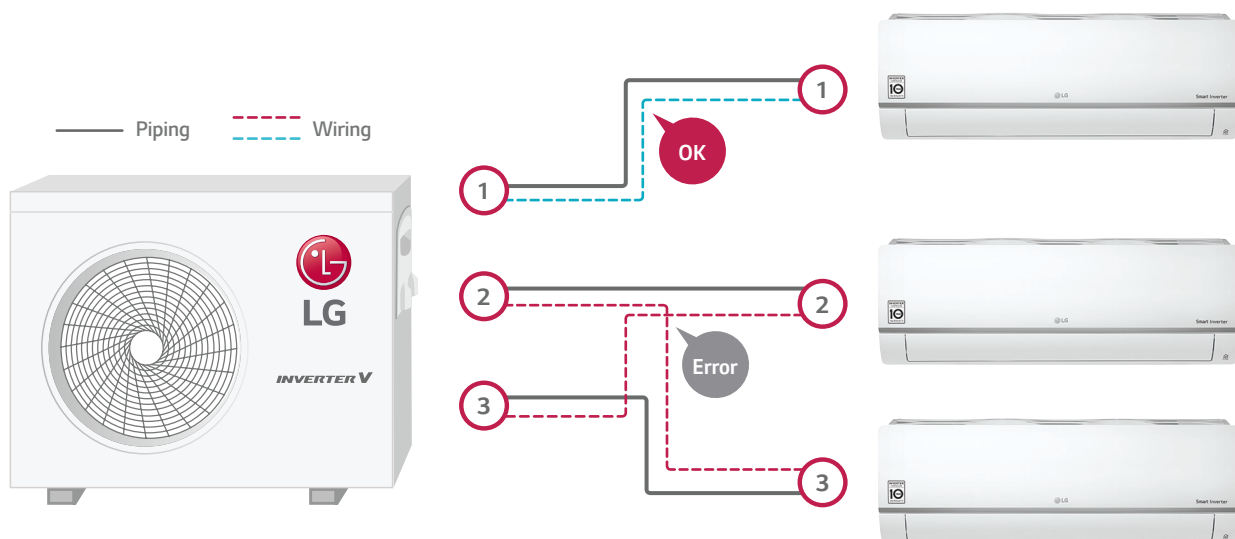
## KEY FEATURES

# EASY INSTALLATION & MAINTENANCE

## Wiring Error Check (UHXM55MA2, UHXM70MA2, UHXM90MA1)

Installers can check whether the transmission cable has been connected correctly by using the wiring error check function. The wiring error check can reduce the time taken to check for transmission cable errors.

I Check with Outdoor PCB : When error LED is turned on I



## KEY FEATURES

# EASY INSTALLATION & MAINTENANCE

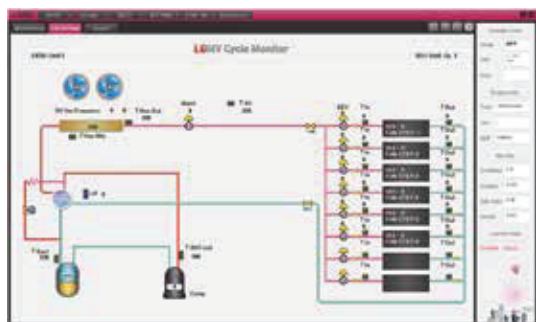
## LG MV (Monitoring View)

LG MV helps technicians inspect and monitor air conditioning units easily. Information is provided by product type. (Single Split & Multi Split)



- IDU info.
- Cycle & valves
- Actuator info.
- Sensors & Electric
- ODU info.

LG MV provides cycle information with diagrams and the technicians can check accumulated data on a graph.



A manager can easily check the error status by looking at the indicator information (Troubleshooting guide)

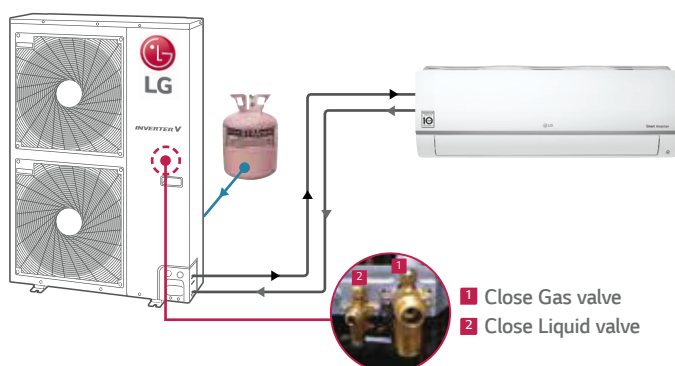
Error indicator

| Error Code | Contents   |
|------------|--|
| 01         | Air temperature sensor of indoor unit                          |
| 02         | Inlet pipe temperature sensor of indoor unit                   |
| 03         | Communication error : wired remote controller<br>↔ indoor unit |
|            | ⋮  |

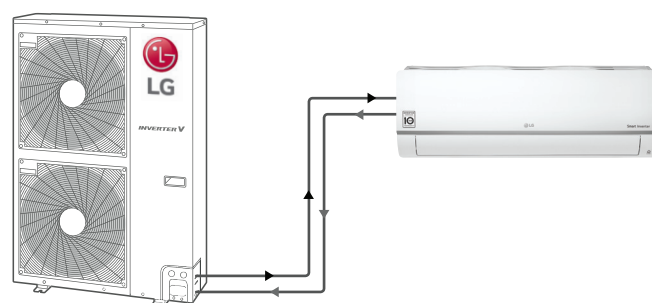
## Pump Down Mode

The forced cooling operation allows refrigerant to be recharged or pumped down, regardless of the indoor temperature. More importantly this function can be used when indoor units are being repaired.

### I Recharging I



### I Pump Down I



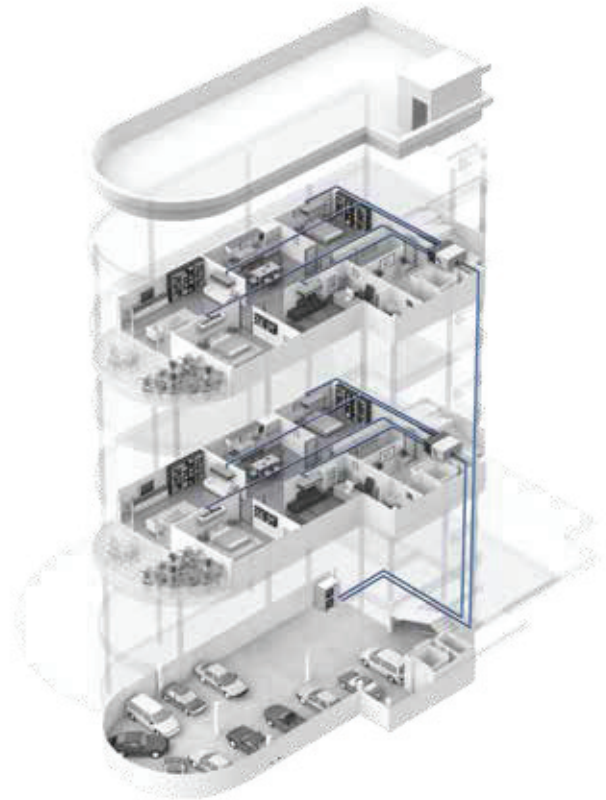
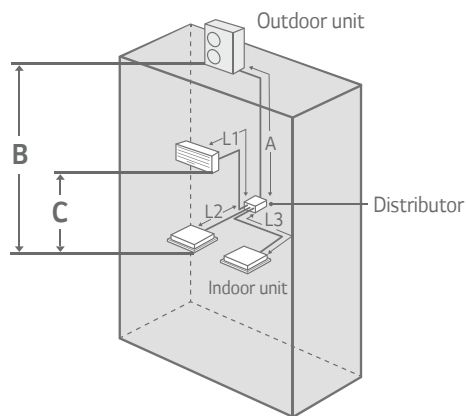
KEY FEATURES

# FLEXIBLE COMBINATION

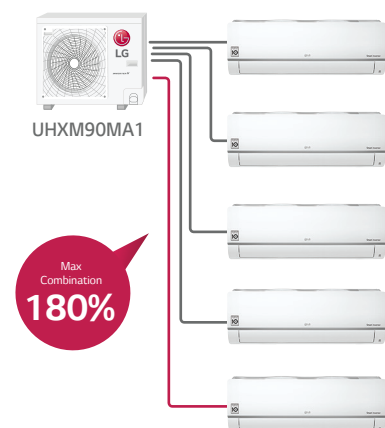
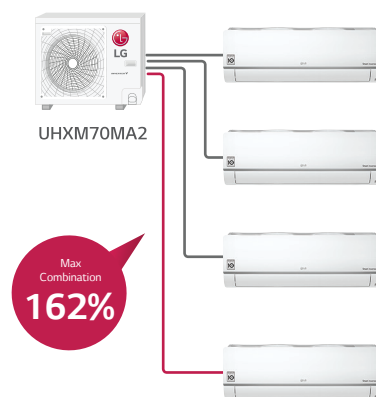
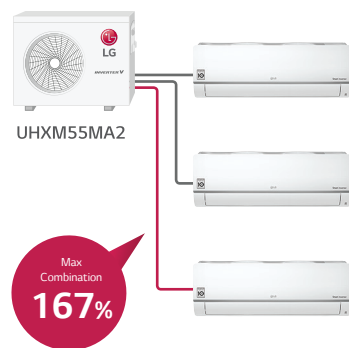
## Long and High Elevation Piping

I Multiple Piping Type I

| (m)                      |                | UHXM55MA2 | UHXM70MA2 | UHXM90MA1 |
|--------------------------|----------------|-----------|-----------|-----------|
| Total Piping Length      |                | 50        | 70        | 75        |
| Piping Length per Branch |                | 25        | 25        | 25        |
| Max. Elevation           | Indoor-Outdoor | 15        | 15        | 15        |
|                          | Indoor-Indoor  | 7.5       | 7.5       | 7.5       |



## Indoor Capacity Combination





# OUTDOOR UNITS

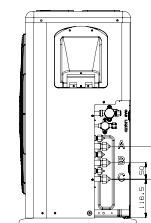
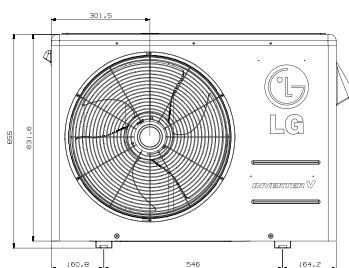
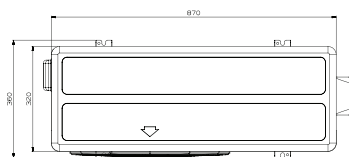


OUTDOOR UNITS

# SPECIFICATIONS

## UHXM55MA2/ UHXM70MA2

MULTI F



(Unit : mm)

| Outdoor Unit                |                   |              |                           | UHXM55MA2        | UHXM70MA2        |
|-----------------------------|-------------------|--------------|---------------------------|------------------|------------------|
| Compressor                  | Type              |              |                           | Twin Rotary      | Twin Rotary      |
| Capacity *                  | Cooling           | Min/Norm/Max | kW                        | 1.23/5.34/7.80   | 1.23/7.00/8.50   |
|                             | Heating           | Min/Norm/Max | kW                        | 1.48/6.30/8.09   | 1.48/7.95/9.09   |
| Power Input *               | Cooling           | Min/Norm/Max | kW                        | 0.33/1.30/2.68   | 0.33/1.69/2.77   |
|                             | Heating           | Min/Norm/Max | kW                        | 0.35/1.45/2.61   | 0.35/1.95/2.85   |
| Running Current             | Cooling           | Min/Norm/Max | A                         | 1.5/5.9/12.2     | 1.5/7.6/12.5     |
|                             | Heating           | Min/Norm/Max | A                         | 1.6/6.6/11.8     | 1.6/8.8/12.9     |
| Airflow Rate                |                   | Norm         | m <sup>3</sup> /min × No. | 50 × 1           | 50 × 1           |
| Sound Pressure              | Cooling           | Norm         | dBA                       | 48               | 50               |
|                             | Heating           | Norm         | dBA                       | 53               | 54               |
| Dimensions                  | WxHxD             |              | mm                        | 870 x 650 x 330  | 870 x 650 x 330  |
| Net Weight                  |                   |              | kg                        | 46.0             | 46.2             |
| Refrigerant                 | Type              |              |                           | R410A            | R410A            |
|                             | Charge            |              | g                         | 1,800            | 1,800            |
|                             | Additional Charge |              | g/m                       | 20               | 20               |
| Power Supply                |                   |              | V/ø/Hz                    | 220-240/1/50     | 220-240/1/50     |
| Power Supply Cable          |                   |              | No.xmm <sup>2</sup>       | 3C × 2.5         | 3C×2.5           |
| Piping Length Total         |                   |              | m                         | 50               | 70               |
| Piping Length per Branch    |                   | Max          | m                         | 25               | 25               |
| Piping Elevation Difference | IDU-ODU           | Max          | m                         | 15               | 15               |
|                             | IDU-IDU           | Max          | m                         | 7.5              | 7.5              |
| Piping Connection           | Liquid            |              | mm(inch)×No.              | ø 6.35 (1/4) × 3 | ø 6.35 (1/4) × 4 |
|                             | Gas               |              | mm(inch)×No.              | ø 9.52 (3/8) × 3 | ø 9.52 (3/8) × 4 |

Notes :

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Power factor could vary less than ±1% according to the operating conditions.
4. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.

Therefore, these values can be increased owing to ambient conditions during operation.  
5. Performances are based on the following conditions :

- \*Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
- \*Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.

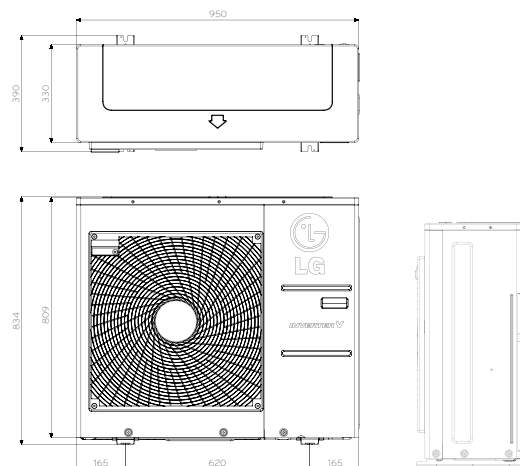
6. This product contains Fluorinated greenhouse gases.

## OUTDOOR UNITS

# SPECIFICATIONS

## UHXM90MA1

### MULTI F



(Unit : mm)

| Outdoor Unit                |                   |              |                     | UHXM90MA1      |
|-----------------------------|-------------------|--------------|---------------------|----------------|
| Compressor                  | Type              |              |                     | Twin Rotary    |
| Capacity *                  | Cooling           | Min/Norm/Max | kW                  | 1.32/8.79/10.6 |
|                             | Heating           | Min/Norm/Max | kW                  | 1.47/10.1/12.1 |
| Power Input *               | Cooling           | Min/Norm/Max | kW                  | 0.44/2.20/3.3  |
|                             | Heating           | Min/Norm/Max | kW                  | 0.5/2.20/3.7   |
| Running Current             | Cooling           | Min/Norm/Max | A                   | 2.0/9.9/16.2   |
|                             | Heating           | Min/Norm/Max | A                   | 2.2/9.8/16.5   |
| EER                         |                   |              |                     | 4.26           |
| COP                         |                   |              |                     | 4.58           |
| Airflow Rate                |                   | Norm         | m <sup>3</sup> /min | 30             |
|                             |                   |              | I/S                 | 500            |
| Sound Pressure              | Cooling           | Norm         | dBA                 | 51             |
|                             | Heating           | Norm         | dBA                 | 53             |
| Dimensions                  | WxHxD             |              | mm                  | 950x834x330    |
| Net Weight                  |                   |              | kg                  | 64.0           |
| Refrigerant                 | Type              |              |                     | R410A          |
|                             | Charge            |              | g                   | 3,200          |
|                             | Additional Charge |              | g/m                 | 20             |
| Operation Range (Outdoor)   | Cooling           | Min-Max      | °C DB               | -10-48         |
|                             | Heating           | Min-Max      | °C WB               | -18-18         |
| Power Supply                |                   |              | ø/V/Hz              | 1/220-240/50   |
| Power Supply Cable          |                   |              | No.xmm <sup>2</sup> | 3C×2.5         |
| Transmission Cable          |                   |              | No.xmm <sup>2</sup> | 4C×0.75        |
| Circuit Breaker             |                   |              | A                   | 25             |
| Piping Length Total         |                   |              | m                   | 75             |
| Piping Length per Branch    |                   | Max          | m                   | 25             |
| Piping Elevation Difference | IDU-ODU           | Max          | m                   | 15             |
|                             | IDU-IDU           | Max          | m                   | 7.5            |
| Piping Connection           | Liquid            |              | mm(inch)×No.        | ø 6.35 (1/4)×5 |
|                             | Gas               |              | mm(inch)×No.        | ø 9.52 (3/8)×5 |

#### Notes :

1 Capacities are based on the following conditions:

Cooling : - Indoor Temperature 27°C (80.6°F) DB / 19°C (66.2°F) WB  
 - Outdoor Temperature 35°C (95°F) DB / 24°C (75.2°F) WB  
 Heating : - Indoor Temperature 20°C (68°F) DB / 15°C (59°F) WB  
 - Outdoor Temperature 7°C (44.6°F) DB / 6°C (42.8°F) WB

Piping Length - Interconnecting Piping Length 7.5m  
 - Level Difference of Zero.

2 \* : See page "Combination Table".

3 Due to our policy of innovation some specifications may be changed without notification.

4 At least two indoor units should be connected.

5 Minimum combination capacity rate should be more than 40%.

## KEY FEATURES

# WALL MOUNTED

## Plasmaster Ioniser Plus

The Plasmaster Ioniser generates over 3 million plasma ions which filtrate the air in the indoor environment and inside the air conditioning unit itself. The Auto Cleaning function helps to minimise the formation of mould and bacteria on the heat exchanger.

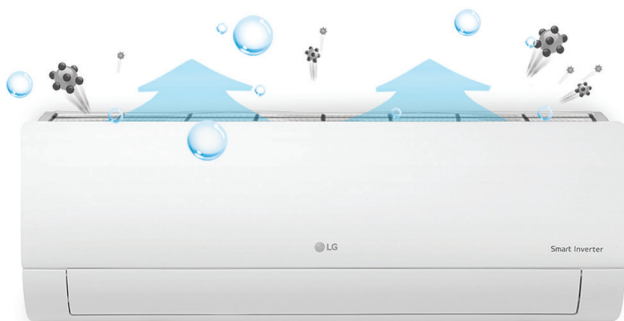
### Filtration and Deodorisation



\* Applicable to WH series only.

## Auto Cleaning

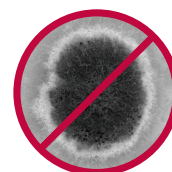
Auto Cleaning dries the coil helping to minimise bacteria, mould and odours that can otherwise accumulate in an indoor unit.



Bacteria Prevention



Odour Minimised



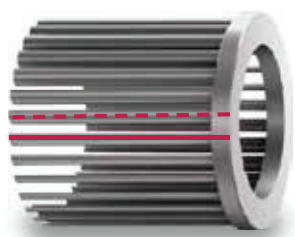
Mould Minimised

## KEY FEATURES

# WALL MOUNTED

## LG Skew Fan

Tilting the fan blades by 15° reduces the air surface pressure on the fan, resulting in reduced peak air noise.



Conventional

When the fan rotates, the stabiliser and the fan blade are parallel (= the contact of lines)

→ Instantaneous pressure charge generates noise.



15°  
Tilted  
Blades

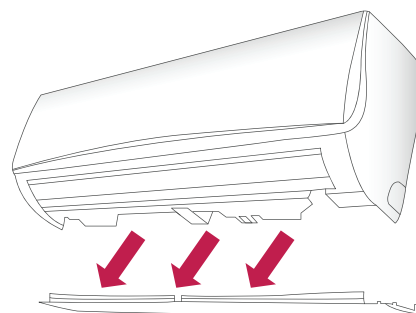
Skew Fan

When the fan rotates, the stabiliser and the fan blade are not in parallel (= the contact of lines)

→ Instantaneous pressure charge generates noise.

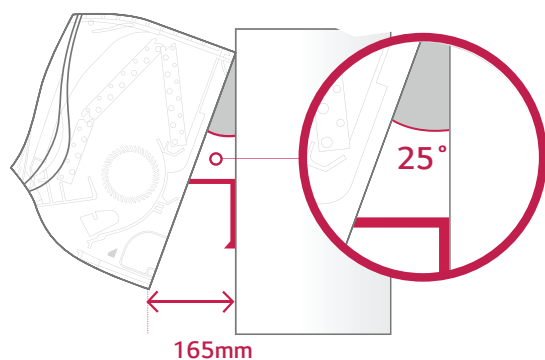
## Detachable Bottom Cover

Due to the structure of the unit the detachable bottom cover can be removed for easy installation.



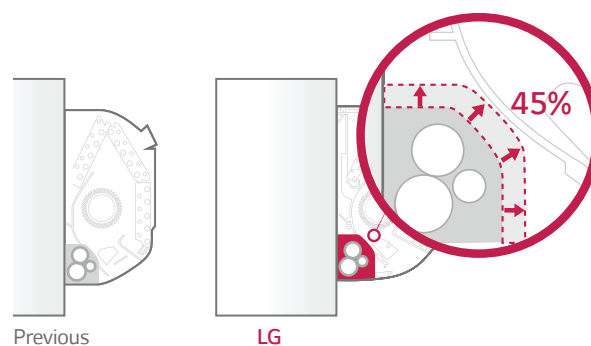
## Installation Support Clip

A support clip creates adequate space between the wall and the unit for easier installation.



## Wider Piping Space


The piping space is up to 45% wider than previous models for easier installation. The piping space is wider than many products currently on the market.



## WALL MOUNTED

# SPECIFICATIONS

## Indoor Units

| Capacity (kW)         |   | 2.1     | 2.6     | 3.5     | 5.3     | 7.0     |
|-----------------------|---|---------|---------|---------|---------|---------|
| Wall Mounted Standard |  | MS07AH3 | MS09AH3 | MS12AH3 | MS18AH3 | MS24AH3 |

## WALL MOUNTED STANDARD

| Model Name                                   |                           | Units                             | MS07AH3                         | MS09AH3                         | MS12AH3                         | MS18AH3                         | MS24AH3                         |                    |
|--|---------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------|
| Power Supply                                 |                           | V / Ø / Hz                        | 220-240/1/50                    | 220-240/1/50                    | 220-240/1/50                    | 220-240/1/50                    | 220-240/1/50                    |                    |
| Capacity                                     | Cooling                   | kW                                | 2.1                             | 2.6                             | 3.5                             | 5.3                             | 7                               |                    |
|  | Heating                   | kW                                | 2.3                             | 3.2                             | 4.0                             | 6.3                             | 7.5                             |                    |
| Power Input                                  | Min. / Norm / Max.        | W                                 | 11 / 17 / 30                    | 11 / 18 / 30                    | 11 / 19 / 30                    | 24 / 40 / 60                    | 27 / 45 / 60                    |                    |
| Running Current                              | Min. / Norm / Max.        | A                                 | 0.10 / 0.14 / 0.20              | 0.10 / 0.16 / 0.20              | 0.10 / 0.17 / 0.20              | 0.20 / 0.28 / 0.40              | 0.24 / 0.33 / 0.40              |                    |
| Casing Colour                                |                           | -                                 | White (RAL 9016)                | White (RAL 9016)                | White (RAL 9016)                | White (RAL 9016)                | White (RAL 9016)                |                    |
| Dimensions                                   | Body                      | W x H x D                         | mm                              | 818 x 316 x 189                 | 818 x 316 x 189                 | 818 x 316 x 189                 | 975 x 354 x 209                 | 975 x 354 x 209    |
|  | Shipping                  | W x H x D                         | mm                              | 892 x 381 x 249                 | 892 x 381 x 249                 | 892 x 381 x 249                 | 1,063 x 420 x 274               | 1,063 x 420 x 274  |
| Net Weight                                   | Body                      | kg (lbs)                          | 8.9 (19.6)                      | 8.9 (19.6)                      | 8.9 (19.6)                      | 11.4 (25.1)                     | 12.2 (26.9)                     |                    |
|  | Shipping                  | kg (lbs)                          | 10.2 (22.5)                     | 10.2 (22.5)                     | 10.2 (22.5)                     | 13.2 (29.1)                     | 13.9 (30.6)                     |                    |
| Heat Exchanger                               | (Row x Column x Fins) per | -                                 | (2 x 15x 21) x 1                | (2 x 15x 21) x 1                | (2 x 15x 21) x 1                | (2 x 16 x 20) x 1               | (2 x 16 x 20) x 1               |                    |
|  | Face Area                 | m <sup>2</sup> (ft <sup>2</sup> ) | 0.19 (2.05)                     | 0.19 (2.05)                     | 0.19 (2.05)                     | 0.24 (2.58)                     | 0.24 (2.58)                     |                    |
| Fan  | Type                      |                                   | -                               | Cross Flow Fan                  | Cross Flow Fan                  | Cross Flow Fan                  | Cross Flow Fan                  |                    |
|  | Air Flow Rate             | H / M / L                         | m <sup>3</sup> / min            | 8.6 / 7.2 / 5.6                 | 9.2 / 7.4 / 5.6                 | 9.6 / 8.1 / 5.6                 | 15.8 / 12.4 / 10.0              | 16.9 / 12.8 / 10.4 |
|  |                           | H / M / L                         | L/s                             | 303 / 254 / 198                 | 325 / 261 / 198                 | 339 / 286 / 198                 | 558 / 438 / 353                 | 597 / 452 / 367    |
| Fan Motor                                    | Type                      |                                   | -                               | BLDC                            | BLDC                            | BLDC                            | BLDC                            |                    |
|  | Output                    |                                   | W x No.                         | 30 x 1                          | 30 x 1                          | 30 x 1                          | 30 x 1                          | 60 x 1             |
| Sound Pressure Level                         | H / M / L                 | dB(A)                             | 35 / 32 / 27                    | 36 / 33 / 27                    | 40 / 35 / 27                    | 44 / 38 / 34                    | 46 / 41 / 36                    |                    |
| Piping Connections                           | Liquid                    |                                   | mm(inch)                        | Ø 6.35 (1/4)                    | Ø 6.35 (1/4)                    | Ø 6.35 (1/4)                    | Ø 6.35 (1/4)                    | Ø 6.35 (1/4)       |
|  | Gas                       |                                   | mm(inch)                        | Ø 9.52 (3/8)                    | Ø 9.52 (3/8)                    | Ø 9.52 (3/8)                    | Ø 12.7 (1/2)                    | Ø 12.7 (1/2)       |
|  | Drain                     | (O.D. / I.D.)                     | mm                              | Ø 21.5 / 16.0                   | Ø 21.5 / 16.0                   | Ø 21.5 / 16.0                   | Ø 21.5 / 16.0                   | Ø 21.5 / 16.0      |
| Safety Devices                               |                           | -                                 | Fuse                            | Fuse                            | Fuse                            | Fuse                            | Fuse                            |                    |
|  |                           | -                                 | Thermal Protector for Fan Motor | Thermal Protector for Fan Motor | Thermal Protector for Fan Motor | Thermal Protector for Fan Motor | Thermal Protector for Fan Motor |                    |
| Connective Method                            |                           | -                                 | Flared                          | Flared                          | Flared                          | Flared                          | Flared                          |                    |
| Power & Communication Cable (Included Earth) |                           | No. x mm <sup>2</sup> (AWG)       | 4C x 0.75                       | 4C x 0.75                       | 4C x 0.75                       | 4C x 0.75                       | 4C x 0.75                       |                    |

### Note :

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national code. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound Level Values are measured at Noise Measuring chamber accordance with standard.

Therefore, these values depend on the ambient conditions and values are normally higher in actual operation (Sound Pressure : LG Internal standard, Sound Power : EN 12102 (ISO 3741)).

4. Capacities are net capacities and based on the following conditions. Refer to the Outdoor Unit Specifications for calculating the real capacity.

- Cooling : Indoor Ambient Temp. 27°CDB / 19°CWB, Outdoor Ambient Temp. 35°CDB / 24°CWB
- Heating : Indoor Ambient Temp. 20°CDB / 15°CWB, Outdoor Ambient Temp. 7°CDB / 6°CWB
- Interconnected Pipe is standard length and difference of Elevation (Outdoor - Indoor Unit) is 0m.

# COMBINATION TABLE

## UHXM55MA2

| Operation | Combination<br>(Capacity index, kBtu/h) |        |       |      | Cooling        |       |      |           |       |       |
|-----------|---|--------|-------|------|----------------|-------|------|-----------|-------|-------|
|           |   |        |       |      | Total Capacity |       |      | Input (W) |       |       |
|           |   |        |       |      | Min            | Rated | Max  | Min       | Rated | Max   |
| UJNT-A    | UJNT-B                                  | UJNT-C | Total | kW   | kW             | kW    | Min  | Rated     | Max   |       |
| 1Unit     | 7                                       | -      | -     | 7    | 1.23           | 2.05  | 2.46 | 325       | 488   | 658   |
|           | 9                                       | -      | -     | 9    | 1.58           | 2.64  | 3.17 | 386       | 607   | 864   |
|           | 12                                      | -      | -     | 12   | 2.11           | 3.52  | 4.22 | 488       | 838   | 1,162 |
|           | 18                                      | -      | -     | 18   | 3.17           | 5.28  | 6.33 | 762       | 1,472 | 2,180 |
| 2Unit     | 7                                       | 7      | -     | 14   | 2.46           | 4.1   | 4.92 | 456       | 890   | 1,291 |
|           | 7                                       | 9      | -     | 16   | 2.81           | 4.69  | 5.63 | 540       | 1,074 | 1,573 |
|           | 9                                       | 9      | -     | 18   | 3.17           | 5.34  | 6.33 | 628       | 1,295 | 1,875 |
|           | 7                                       | 12     | -     | 19   | 3.17           | 5.34  | 6.68 | 628       | 1,295 | 2,039 |
|           | 9                                       | 12     | -     | 21   | 3.17           | 5.34  | 7.39 | 628       | 1,295 | 2,411 |
|           | 12                                      | 12     | -     | 24   | 3.17           | 5.34  | 7.8  | 628       | 1,295 | 2,680 |
|           | 7                                       | 18     | -     | 25   | 3.17           | 5.34  | 7.8  | 628       | 1,295 | 2,680 |
|           | 9                                       | 18     | -     | 27   | 3.17           | 5.34  | 7.8  | 628       | 1,295 | 2,680 |
| 3Unit     | 12                                      | 18     | -     | 30   | 3.17           | 5.34  | 7.8  | 628       | 1,295 | 2,680 |
|           | 7                                       | 7      | 7     | 21   | 3.69           | 5.34  | 7.39 | 702       | 1,150 | 2,061 |
|           | 7                                       | 7      | 9     | 23   | 3.69           | 5.34  | 7.8  | 702       | 1,150 | 2,258 |
|           | 7                                       | 9      | 9     | 25   | 3.69           | 5.34  | 7.8  | 702       | 1,150 | 2,258 |
|           | 7                                       | 7      | 12    | 26   | 3.69           | 5.34  | 7.8  | 702       | 1,150 | 2,258 |
|           | 9                                       | 9      | 9     | 27   | 3.69           | 5.34  | 7.8  | 702       | 1,150 | 2,258 |
|           | 7                                       | 9      | 12    | 28   | 3.69           | 5.34  | 7.8  | 702       | 1,150 | 2,258 |
| 9         | 9                                       | 12     | 30    | 3.69 | 5.34           | 7.8   | 702  | 1,150     | 2,258 |       |

**Note :**

- Capacities are based on the following conditions :  
 - Cooling : Indoor Temp. 27°CDB/19°CWB, Outdoor Temp. 35°CDB/24°CWB  
 - Heating : Indoor Temp. 20°CDB / 15°CWB, Outdoor Temp. 7°CDB / 6°CWB
- The total ability of connected a indoor unit is up to 8.78kW
- At least two indoor units should be connected.
- Don't exceed the maximum connectable indoor units number; it can be found in Specifications or combination table of outdoor unit model

| Operation | Combination<br>(Capacity index, kBtu/h) |        |       |      | Heating             |       |      |                 |       |       |
|-----------|---|--------|-------|------|---------------------|-------|------|-----------------|-------|-------|
|           |   |        |       |      | Total Capacity (kW) |       |      | Total Input (W) |       |       |
|           |   |        |       |      | Min                 | Rated | Max  | Min             | Rated | Max   |
| UJNT-A    | UJNT-B                                  | UJNT-C | Total | kW   | kW                  | kW    | Min  | Rated           | Max   |       |
| 1Unit     | 7                                       | -      | -     | 7    | 1.48                | 2.46  | 2.83 | 349             | 591   | 758   |
|           | 9                                       | -      | -     | 9    | 1.9                 | 3.17  | 3.64 | 493             | 772   | 1,017 |
|           | 12                                      | -      | -     | 12   | 2.32                | 3.87  | 4.45 | 548             | 973   | 1,259 |
|           | 18                                      | -      | -     | 18   | 3.48                | 5.8   | 6.67 | 862             | 1,623 | 2,322 |
| 2Unit     | 7                                       | 7      | -     | 14   | 2.95                | 4.92  | 5.91 | 512             | 1,012 | 1,420 |
|           | 7                                       | 9      | -     | 16   | 3.38                | 5.63  | 6.75 | 608             | 1,225 | 1,763 |
|           | 9                                       | 9      | -     | 18   | 3.8                 | 6.3   | 7.6  | 710             | 1,450 | 2,186 |
|           | 7                                       | 12     | -     | 19   | 3.8                 | 6.3   | 8.02 | 710             | 1,450 | 2,465 |
|           | 9                                       | 12     | -     | 21   | 3.8                 | 6.3   | 8.09 | 710             | 1,450 | 2,610 |
|           | 12                                      | 12     | -     | 24   | 3.8                 | 6.3   | 8.09 | 710             | 1,450 | 2,610 |
|           | 7                                       | 18     | -     | 25   | 3.8                 | 6.3   | 8.09 | 710             | 1,450 | 2,610 |
|           | 9                                       | 18     | -     | 27   | 3.8                 | 6.3   | 8.09 | 710             | 1,450 | 2,610 |
| 3Unit     | 12                                      | 18     | -     | 30   | 3.8                 | 6.3   | 8.09 | 710             | 1,450 | 2,610 |
|           | 7                                       | 7      | 7     | 21   | 4.43                | 6.3   | 8.09 | 798             | 1,320 | 2,154 |
|           | 7                                       | 7      | 9     | 23   | 4.43                | 6.3   | 8.09 | 798             | 1,320 | 2,154 |
|           | 7                                       | 9      | 9     | 25   | 4.43                | 6.3   | 8.09 | 798             | 1,320 | 2,154 |
|           | 7                                       | 7      | 12    | 26   | 4.43                | 6.3   | 8.09 | 798             | 1,320 | 2,154 |
|           | 9                                       | 9      | 9     | 27   | 4.43                | 6.3   | 8.09 | 798             | 1,320 | 2,154 |
|           | 7                                       | 9      | 12    | 28   | 4.43                | 6.3   | 8.09 | 798             | 1,320 | 2,154 |
| 9         | 9                                       | 12     | 30    | 4.43 | 6.3                 | 8.09  | 798  | 1,320           | 2,154 |       |

**Note :**

- Capacities are based on the following conditions :  
 - Cooling : Indoor Temp. 27°CDB/19°CWB, Outdoor Temp. 35°CDB/24°CWB  
 - Heating : Indoor Temp. 20°CDB / 15°CWB, Outdoor Temp. 7°CDB / 6°CWB
- The total ability of connected a indoor unit is up to 8.78kW
- At least two indoor units should be connected.
- Don't exceed the maximum connectable indoor units number; it can be found in Specifications or combination table of outdoor unit model.

# COMBINATION TABLE

## UHXM70MA2

| Operation | Combination<br>(Capacity index, kBtu/h) |        |        |       |      | Cooling        |       |      |           |       |       |
|-----------|---|--------|--------|-------|------|----------------|-------|------|-----------|-------|-------|
|           |   |        |        |       |      | Total Capacity |       |      | Input (W) |       |       |
|           |   |        |        |       |      | Min            | Rated | Max  | Min       | Rated | Max   |
| UNIT-A    | UNIT-B                                  | UNIT-C | UNIT-D | Total | kW   | kW             | kW    | Min  | Rated     | Max   |       |
| 1Unit     | 7                                       | -      | -      | -     | 7    | 1.23           | 2.05  | 2.46 | 325       | 488   | 658   |
|           | 9                                       | -      | -      | -     | 9    | 1.58           | 2.64  | 3.17 | 386       | 607   | 864   |
|           | 12                                      | -      | -      | -     | 12   | 2.11           | 3.52  | 4.22 | 488       | 838   | 1,162 |
|           | 18                                      | -      | -      | -     | 18   | 3.17           | 5.28  | 6.33 | 762       | 1,472 | 2,180 |
|           | 24                                      | -      | -      | -     | 24   | 4.22           | 7     | 7.33 | 1,028     | 2,343 | 2,770 |
| 2Unit     | 7                                       | 7      | -      | -     | 14   | 2.46           | 4.1   | 4.92 | 456       | 890   | 1,291 |
|           | 7                                       | 9      | -      | -     | 16   | 2.81           | 4.69  | 5.63 | 540       | 1,074 | 1,573 |
|           | 9                                       | 9      | -      | -     | 18   | 3.17           | 5.28  | 6.33 | 628       | 1,274 | 1,875 |
|           | 7                                       | 12     | -      | -     | 19   | 3.34           | 5.57  | 6.68 | 675       | 1,383 | 2,039 |
|           | 9                                       | 12     | -      | -     | 21   | 3.69           | 6.15  | 7.08 | 771       | 1,603 | 2,237 |
|           | 12                                      | 12     | -      | -     | 24   | 4.22           | 7     | 7.91 | 926       | 1,977 | 2,770 |
|           | 7                                       | 18     | -      | -     | 25   | 4.22           | 7     | 7.91 | 926       | 1,977 | 2,770 |
|           | 9                                       | 18     | -      | -     | 27   | 4.22           | 7     | 7.91 | 926       | 1,977 | 2,770 |
|           | 12                                      | 18     | -      | -     | 30   | 4.22           | 7     | 7.91 | 926       | 1,977 | 2,770 |
|           | 7                                       | 24     | -      | -     | 31   | 4.22           | 7     | 7.91 | 926       | 1,977 | 2,770 |
|           | 9                                       | 24     | -      | -     | 33   | 4.22           | 7     | 7.91 | 926       | 1,977 | 2,770 |
|           | 18                                      | 18     | -      | -     | 36   | 4.22           | 7     | 7.91 | 926       | 1,977 | 2,770 |
|           | 12                                      | 24     | -      | -     | 36   | 4.22           | 7     | 7.91 | 926       | 1,977 | 2,770 |
| 3Unit     | 7                                       | 7      | 7      | -     | 21   | 3.69           | 6.15  | 7.39 | 702       | 1,399 | 2,097 |
|           | 7                                       | 7      | 9      | -     | 23   | 4.04           | 6.74  | 8.09 | 790       | 1,595 | 2,453 |
|           | 7                                       | 9      | 9      | -     | 25   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 7                                       | 7      | 12     | -     | 26   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 9                                       | 9      | 9      | -     | 27   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 7                                       | 9      | 12     | -     | 28   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 9                                       | 9      | 12     | -     | 30   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 7                                       | 12     | 12     | -     | 31   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 7                                       | 7      | 18     | -     | 32   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 9                                       | 12     | 12     | -     | 33   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 7                                       | 9      | 18     | -     | 34   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 12                                      | 12     | 12     | -     | 36   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 9                                       | 9      | 18     | -     | 36   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 7                                       | 12     | 18     | -     | 37   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
|           | 7                                       | 7      | 24     | -     | 38   | 4.22           | 7     | 8.5  | 836       | 1,685 | 2,700 |
| 9         | 12                                      | 18     | -      | 39    | 4.22 | 7              | 8.5   | 836  | 1,685     | 2,700 |       |
| 4Unit     | 7                                       | 7      | 7      | 7     | 28   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
|           | 7                                       | 7      | 7      | 9     | 30   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
|           | 7                                       | 7      | 9      | 9     | 32   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
|           | 7                                       | 7      | 7      | 12    | 33   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
|           | 7                                       | 9      | 9      | 9     | 34   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
|           | 7                                       | 7      | 9      | 12    | 35   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
|           | 9                                       | 9      | 9      | 9     | 36   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
|           | 7                                       | 9      | 9      | 12    | 37   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
|           | 7                                       | 7      | 12     | 12    | 38   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
|           | 9                                       | 9      | 9      | 12    | 39   | 4.22           | 7     | 8.5  | 783       | 1,570 | 2,497 |
| 7         | 7                                       | 7      | 18     | 39    | 4.22 | 7              | 8.5   | 783  | 1,570     | 2,497 |       |

**Note :**

- Capacities are based on the following conditions :  
 - Cooling : Indoor Temp. 27°CDB/19°CWB, Outdoor Temp. 35°CDB/24°CWB  
 - Heating : Indoor Temp. 20°CDB / 15°CWB, Outdoor Temp. 7°CDB / 6°CWB
- The total ability of connected a indoor unit is up to 8.78kW
- Don't exceed the maximum connectable indoor units number; it can be found in Specifications or combination table of outdoor unit model.



| Operation | Combination<br>(Capacity index, kBtu/h) |        |        |       |      | Heating        |       |      |           |       |       |
|-----------|---|--------|--------|-------|------|----------------|-------|------|-----------|-------|-------|
|           |   |        |        |       |      | Total Capacity |       |      | Input (W) |       |       |
|           |   |        |        |       |      | Min            | Rated | Max  | Min       | Rated | Max   |
| UNIT-A    | UNIT-B                                  | UNIT-C | UNIT-D | Total | kW   | kW             | kW    | Min  | Rated     | Max   |       |
| 1Unit     | 7                                       | -      | -      | -     | 7    | 1.48           | 2.46  | 2.83 | 349       | 591   | 758   |
|           | 9                                       | -      | -      | -     | 9    | 1.9            | 3.17  | 3.64 | 493       | 772   | 1,017 |
|           | 12                                      | -      | -      | -     | 12   | 2.32           | 3.87  | 4.45 | 548       | 973   | 1,259 |
|           | 18                                      | -      | -      | -     | 18   | 3.48           | 5.8   | 6.67 | 862       | 1,623 | 2,322 |
|           | 24                                      | -      | -      | -     | 24   | 4.47           | 7.44  | 7.82 | 1,123     | 2,020 | 2,850 |
| 2Unit     | 7                                       | 7      | -      | -     | 14   | 2.95           | 4.92  | 5.91 | 512       | 1,012 | 1,420 |
|           | 7                                       | 9      | -      | -     | 16   | 3.38           | 5.63  | 6.75 | 608       | 1,225 | 1,763 |
|           | 9                                       | 9      | -      | -     | 18   | 3.8            | 6.33  | 7.6  | 710       | 1,459 | 2,186 |
|           | 7                                       | 12     | -      | -     | 19   | 4.01           | 6.68  | 8.02 | 763       | 1,603 | 2,465 |
|           | 9                                       | 12     | -      | -     | 21   | 4.43           | 7.39  | 8.5  | 874       | 1,919 | 2,850 |
|           | 12                                      | 12     | -      | -     | 24   | 4.75           | 7.95  | 8.5  | 962       | 2,268 | 2,850 |
|           | 7                                       | 18     | -      | -     | 25   | 4.75           | 7.95  | 8.5  | 962       | 2,268 | 2,850 |
|           | 9                                       | 18     | -      | -     | 27   | 4.75           | 7.95  | 8.5  | 962       | 2,268 | 2,850 |
|           | 12                                      | 18     | -      | -     | 30   | 4.75           | 7.95  | 8.5  | 962       | 2,268 | 2,850 |
|           | 7                                       | 24     | -      | -     | 31   | 4.75           | 7.95  | 8.5  | 962       | 2,268 | 2,850 |
|           | 9                                       | 24     | -      | -     | 33   | 4.75           | 7.95  | 8.5  | 962       | 2,268 | 2,850 |
|           | 18                                      | 18     | -      | -     | 36   | 4.75           | 7.95  | 8.5  | 962       | 2,268 | 2,850 |
|           | 12                                      | 24     | -      | -     | 36   | 4.75           | 7.95  | 8.5  | 962       | 2,268 | 2,850 |
| 3Unit     | 7                                       | 7      | 7      | -     | 21   | 4.43           | 7.39  | 8.86 | 798       | 1,711 | 2,777 |
|           | 7                                       | 7      | 9      | -     | 23   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 7                                       | 9      | 9      | -     | 25   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 7                                       | 7      | 12     | -     | 26   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 9                                       | 9      | 9      | -     | 27   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 7                                       | 9      | 12     | -     | 28   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 9                                       | 9      | 12     | -     | 30   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 7                                       | 12     | 12     | -     | 31   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 7                                       | 7      | 18     | -     | 32   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 9                                       | 12     | 12     | -     | 33   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 7                                       | 9      | 18     | -     | 34   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 12                                      | 12     | 12     | -     | 36   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 9                                       | 9      | 18     | -     | 36   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 7                                       | 12     | 18     | -     | 37   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
|           | 7                                       | 7      | 24     | -     | 38   | 4.75           | 7.95  | 9.09 | 878       | 1,948 | 2,850 |
| 9         | 12                                      | 18     | -      | 39    | 4.75 | 7.95           | 9.09  | 878  | 1,948     | 2,850 |       |
| 4Unit     | 7                                       | 7      | 7      | 7     | 28   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
|           | 7                                       | 7      | 7      | 9     | 30   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
|           | 7                                       | 7      | 9      | 9     | 32   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
|           | 7                                       | 7      | 7      | 12    | 33   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
|           | 7                                       | 9      | 9      | 9     | 34   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
|           | 7                                       | 7      | 9      | 12    | 35   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
|           | 9                                       | 9      | 9      | 9     | 36   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
|           | 7                                       | 9      | 9      | 12    | 37   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
|           | 7                                       | 7      | 12     | 12    | 38   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
|           | 9                                       | 9      | 9      | 12    | 39   | 4.75           | 7.95  | 9.09 | 836       | 1,834 | 2,728 |
| 7         | 7                                       | 7      | 18     | 39    | 4.75 | 7.95           | 9.09  | 836  | 1,834     | 2,728 |       |

**Note :**

- Capacities are based on the following conditions :  
 - Cooling : Indoor Temp. 27°CDB/19°CWB, Outdoor Temp. 35°CDB/24°CWB  
 - Heating : Indoor Temp. 20°CDB / 15°CWB, Outdoor Temp. 7°CDB / 6°CWB
- The total ability of connected a indoor unit is up to 8.78kW
- At least two indoor units should be connected.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model

# COMBINATION TABLE

## UHXM90MA1

| Operation | Combination<br>(Capacity index, kBtu/h) |        |        |        |       |     | Cooling        |       |       |           |       |       |
|-----------|---|--------|--------|--------|-------|-----|----------------|-------|-------|-----------|-------|-------|
|           |   |        |        |        |       |     | Total Capacity |       |       | Input (W) |       |       |
|           |   |        |        |        |       |     | Min            | Rated | Max   | Min       | Rated | Max   |
| UNIT-A    | UNIT-B                                  | UNIT-C | UNIT-D | UNIT-E | Total | kW  | kW             | kW    | Min   | Rated     | Max   |       |
| 1Unit     | 7                                       | -      | -      | -      | -     | 7   | 1.9            | 2.1   | 2.3   | 444       | 740   | 1,029 |
|           | 9                                       | -      | -      | -      | -     | 9   | 1.9            | 2.6   | 2.9   | 540       | 900   | 1,167 |
|           | 12                                      | -      | -      | -      | -     | 12  | 2.1            | 3.5   | 3.9   | 660       | 1,100 | 1,294 |
|           | 18                                      | -      | -      | -      | -     | 18  | 3.2            | 5.3   | 5.8   | 1,020     | 1,700 | 2,225 |
|           | 24                                      | -      | -      | -      | -     | 24  | 4.2            | 7.1   | 7.5   | 1,470     | 2,450 | 3,088 |
| 2Unit     | 7                                       | 7      | -      | -      | -     | 14  | 2.5            | 4.1   | 4.7   | 492       | 820   | 980   |
|           | 7                                       | 9      | -      | -      | -     | 16  | 2.8            | 4.7   | 5.4   | 636       | 1,060 | 1,294 |
|           | 9                                       | 9      | -      | -      | -     | 18  | 3.2            | 5.3   | 6.1   | 810       | 1,350 | 1,676 |
|           | 7                                       | 12     | -      | -      | -     | 19  | 3.4            | 5.6   | 6.1   | 924       | 1,540 | 1,843 |
|           | 9                                       | 12     | -      | -      | -     | 21  | 3.7            | 6.2   | 6.8   | 1,128     | 1,880 | 2,441 |
|           | 12                                      | 12     | -      | -      | -     | 24  | 4.2            | 7.1   | 7.8   | 1,410     | 2,350 | 3,147 |
|           | 7                                       | 18     | -      | -      | -     | 25  | 4.4            | 7.4   | 8.5   | 1,542     | 2,570 | 3,304 |
|           | 9                                       | 18     | -      | -      | -     | 27  | 4.8            | 7.9   | 9.1   | 1,770     | 2,950 | 3,586 |
|           | 12                                      | 18     | -      | -      | -     | 30  | 5.3            | 8.8   | 9.7   | 1,950     | 3,250 | 3,667 |
|           | 7                                       | 24     | -      | -      | -     | 31  | 5.3            | 8.8   | 9.7   | 1,950     | 3,250 | 3,667 |
|           | 9                                       | 24     | -      | -      | -     | 33  | 5.3            | 8.8   | 9.7   | 1,950     | 3,250 | 3,667 |
|           | 18                                      | 18     | -      | -      | -     | 36  | 5.3            | 8.8   | 9.7   | 1,950     | 3,250 | 3,667 |
|           | 12                                      | 24     | -      | -      | -     | 36  | 5.3            | 8.8   | 9.7   | 1,950     | 3,250 | 3,667 |
|           | 18                                      | 24     | -      | -      | -     | 42  | 5.3            | 8.8   | 9.7   | 1,950     | 3,250 | 3,667 |
|           | 24                                      | 24     | -      | -      | -     | 48  | 5.3            | 8.8   | 9.7   | 1,950     | 3,250 | 3,667 |
| 3Unit     | 7                                       | 7      | 7      | -      | -     | 21  | 3.7            | 6.2   | 7.1   | 738       | 1,230 | 1,588 |
|           | 7                                       | 7      | 9      | -      | -     | 23  | 4.1            | 6.8   | 7.8   | 912       | 1,520 | 1,814 |
|           | 7                                       | 9      | 9      | -      | -     | 25  | 4.4            | 7.4   | 8.5   | 1,080     | 1,800 | 2,167 |
|           | 7                                       | 7      | 12     | -      | -     | 26  | 4.6            | 7.6   | 8.8   | 1,176     | 1,960 | 2,529 |
|           | 9                                       | 9      | 9      | -      | -     | 27  | 4.8            | 7.9   | 9.1   | 1,248     | 2,080 | 2,647 |
|           | 7                                       | 9      | 12     | -      | -     | 28  | 4.9            | 8.2   | 9.5   | 1,338     | 2,230 | 2,794 |
|           | 9                                       | 9      | 12     | -      | -     | 30  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 7                                       | 12     | 12     | -      | -     | 31  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 7                                       | 7      | 18     | -      | -     | 32  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 9                                       | 12     | 12     | -      | -     | 33  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 7                                       | 9      | 18     | -      | -     | 34  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 12                                      | 12     | 12     | -      | -     | 36  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 9                                       | 9      | 18     | -      | -     | 36  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 7                                       | 12     | 18     | -      | -     | 37  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 7                                       | 7      | 24     | -      | -     | 38  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 9                                       | 12     | 18     | -      | -     | 39  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 7                                       | 9      | 24     | -      | -     | 40  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 12                                      | 12     | 18     | -      | -     | 42  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 9                                       | 9      | 24     | -      | -     | 42  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 7                                       | 18     | 18     | -      | -     | 43  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
|           | 7                                       | 12     | 24     | -      | -     | 43  | 5.3            | 8.8   | 9.9   | 1,584     | 2,640 | 3,206 |
| 9         | 18                                      | 18     | -      | -      | 45    | 5.3 | 8.8            | 9.9   | 1,584 | 2,640     | 3,206 |       |
| 9         | 12                                      | 24     | -      | -      | 45    | 5.3 | 8.8            | 9.9   | 1,584 | 2,640     | 3,206 |       |
| 12        | 18                                      | 18     | -      | -      | 48    | 5.3 | 8.8            | 9.9   | 1,584 | 2,640     | 3,206 |       |
| 12        | 12                                      | 24     | -      | -      | 48    | 5.3 | 8.8            | 9.9   | 1,584 | 2,640     | 3,206 |       |
| 7         | 18                                      | 24     | -      | -      | 49    | 5.3 | 8.8            | 9.9   | 1,584 | 2,640     | 3,206 |       |
| 9         | 18                                      | 24     | -      | -      | 51    | 5.3 | 8.8            | 9.9   | 1,584 | 2,640     | 3,206 |       |
| 12        | 18                                      | 24     | -      | -      | 54    | 5.3 | 8.8            | 9.9   | 1,584 | 2,640     | 3,206 |       |
| 18        | 18                                      | 18     | -      | -      | 54    | 5.3 | 8.8            | 9.9   | 1,584 | 2,640     | 3,206 |       |
| 4Unit     | 7                                       | 7      | 7      | 7      | -     | 28  | 4.9            | 8.2   | 9.9   | 1,224     | 2,040 | 3,137 |
|           | 7                                       | 7      | 7      | 9      | -     | 30  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 9      | 9      | -     | 32  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 7      | 12     | -     | 33  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 9      | 9      | 9      | -     | 34  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 9      | 12     | -     | 35  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 9                                       | 9      | 9      | 9      | -     | 36  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 9      | 9      | 12     | -     | 37  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 12     | 12     | -     | 38  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 9                                       | 9      | 9      | 12     | -     | 39  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 7      | 18     | -     | 39  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 9      | 12     | 12     | -     | 40  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 9      | 18     | -     | 41  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 9                                       | 9      | 12     | 12     | -     | 42  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 12     | 12     | 12     | -     | 43  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 9      | 9      | 18     | -     | 43  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 12     | 18     | -     | 44  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 9                                       | 12     | 12     | 12     | -     | 45  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 9                                       | 9      | 9      | 18     | -     | 45  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 7      | 24     | -     | 45  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 9      | 12     | 18     | -     | 46  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 9      | 24     | -     | 47  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 12                                      | 12     | 12     | 12     | -     | 48  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 9                                       | 9      | 12     | 18     | -     | 48  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 12     | 12     | 18     | -     | 49  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 9      | 9      | 24     | -     | 49  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
|           | 7                                       | 7      | 12     | 24     | -     | 50  | 5.3            | 8.8   | 10.6  | 1,350     | 2,250 | 3,422 |
| 7         | 7                                       | 18     | 18     | -      | 50    | 5.3 | 8.8            | 10.6  | 1,350 | 2,250     | 3,422 |       |
| 9         | 12                                      | 12     | 18     | -      | 51    | 5.3 | 8.8            | 10.6  | 1,350 | 2,250     | 3,422 |       |
| 9         | 9                                       | 9      | 24     | -      | 51    | 5.3 | 8.8            | 10.6  | 1,350 | 2,250     | 3,422 |       |
| 7         | 9                                       | 12     | 24     | -      | 52    | 5.3 | 8.8            | 10.6  | 1,350 | 2,250     | 3,422 |       |
| 9         | 9                                       | 12     | 24     | -      | 54    | 5.3 | 8.8            | 10.6  | 1,350 | 2,250     | 3,422 |       |
| 9         | 9                                       | 18     | 18     | -      | 54    | 5.3 | 8.8            | 10.6  | 1,350 | 2,250     | 3,422 |       |
| 12        | 12                                      | 12     | 18     | -      | 54    | 5.3 | 8.8            | 10.6  | 1,350 | 2,250     | 3,422 |       |

# UHXM90MA1

| Operation | Combination<br>(Capacity index, kBTU/h) |        |        |        |       |     | Cooling        |       |       |           |       |     |
|-----------|---|--------|--------|--------|-------|-----|----------------|-------|-------|-----------|-------|-----|
|           |   |        |        |        |       |     | Total Capacity |       |       | Input (W) |       |     |
|           |   |        |        |        |       |     | Min            | Rated | Max   | Min       | Rated | Max |
| UNIT-A    | UNIT-B                                  | UNIT-C | UNIT-D | UNIT-E | Total | kW  | kW             | kW    | Min   | Rated     | Max   |     |
| 7         | 7                                       | 7      | 7      | 7      | 35    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 7      | 9      | 37    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 9      | 9      | 39    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 7      | 12     | 40    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 9      | 9      | 9      | 41    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 9      | 12     | 42    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 9                                       | 9      | 9      | 9      | 43    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 9      | 9      | 12     | 44    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 12     | 12     | 45    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 9         | 9                                       | 9      | 9      | 9      | 45    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 7      | 18     | 46    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 9                                       | 9      | 9      | 12     | 46    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 9      | 12     | 12     | 47    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 9         | 9                                       | 9      | 9      | 12     | 48    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 9      | 18     | 48    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 9                                       | 9      | 12     | 12     | 49    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 12     | 12     | 12     | 50    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 9      | 9      | 18     | 50    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 9         | 9                                       | 9      | 12     | 12     | 51    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 12     | 18     | 51    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 9                                       | 12     | 12     | 12     | 52    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 9                                       | 9      | 9      | 18     | 52    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 7      | 24     | 52    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 9      | 12     | 18     | 53    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 7         | 7                                       | 7      | 9      | 24     | 54    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 9         | 9                                       | 9      | 9      | 18     | 54    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |
| 9         | 9                                       | 12     | 12     | 12     | 54    | 5.3 | 8.8            | 10.6  | 1,280 | 2,200     | 3,380 |     |

**Note :**

- Capacities are based on the following conditions :  
 - Cooling : Indoor Temp. 27°CDB/19°CWB, Outdoor Temp. 35°CDB/24°CWB  
 - Heating : Indoor Temp. 20°CDB / 15°CWB, Outdoor Temp. 7°CDB / 6°CWB
- The total ability of connected a indoor unit is up to 8.78kW
- At least two indoor units should be connected.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model

| Operation | Combination<br>(Capacity index, kBTU/h) |        |        |        |       |     | Heating        |       |       |           |       |     |
|-----------|---|--------|--------|--------|-------|-----|----------------|-------|-------|-----------|-------|-----|
|           |   |        |        |        |       |     | Total Capacity |       |       | Input (W) |       |     |
|           |   |        |        |        |       |     | Min            | Rated | Max   | Min       | Rated | Max |
| UNIT-A    | UNIT-B                                  | UNIT-C | UNIT-D | UNIT-E | Total | kW  | kW             | kW    | Min   | Rated     | Max   |     |
| 7         | -                                       | -      | -      | -      | 7     | 2.2 | 2.3            | 2.6   | 510   | 850       | 1,294 |     |
| 9         | -                                       | -      | -      | -      | 9     | 2.2 | 2.9            | 3.2   | 534   | 890       | 1,471 |     |
| 12        | -                                       | -      | -      | -      | 12    | 2.3 | 3.9            | 4.3   | 582   | 970       | 1,676 |     |
| 18        | -                                       | -      | -      | -      | 18    | 3.5 | 5.8            | 6.4   | 1,152 | 1,920     | 2,157 |     |
| 24        | -                                       | -      | -      | -      | 24    | 4.5 | 7.4            | 7.8   | 1,416 | 2,360     | 3,431 |     |
| 7         | 7                                       | -      | -      | -      | 14    | 3   | 4.9            | 5.7   | 762   | 1,270     | 2,507 |     |
| 7         | 9                                       | -      | -      | -      | 16    | 3.4 | 5.6            | 6.5   | 834   | 1,390     | 2,167 |     |
| 9         | 9                                       | -      | -      | -      | 18    | 3.8 | 6.3            | 7.3   | 1,104 | 1,840     | 2,931 |     |
| 7         | 12                                      | -      | -      | -      | 19    | 4   | 6.7            | 7.4   | 1,206 | 2,010     | 3,039 |     |
| 9         | 12                                      | -      | -      | -      | 21    | 4.4 | 7.4            | 8.1   | 1,356 | 2,260     | 3,225 |     |
| 12        | 12                                      | -      | -      | -      | 24    | 5.1 | 8.4            | 9.3   | 1,608 | 2,680     | 3,412 |     |
| 7         | 18                                      | -      | -      | -      | 25    | 5.3 | 8.8            | 10.1  | 1,656 | 2,760     | 3,578 |     |
| 9         | 18                                      | -      | -      | -      | 27    | 5.7 | 9.5            | 10.9  | 1,728 | 2,880     | 3,627 |     |
| 12        | 18                                      | -      | -      | -      | 30    | 6.1 | 10.1           | 11.1  | 1,728 | 2,880     | 3,627 |     |
| 7         | 24                                      | -      | -      | -      | 31    | 6.1 | 10.1           | 11.1  | 1,728 | 2,880     | 3,627 |     |
| 9         | 24                                      | -      | -      | -      | 33    | 6.1 | 10.1           | 11.1  | 1,728 | 2,880     | 3,627 |     |
| 18        | 18                                      | -      | -      | -      | 36    | 6.1 | 10.1           | 11.1  | 1,728 | 2,880     | 3,627 |     |
| 12        | 24                                      | -      | -      | -      | 36    | 6.1 | 10.1           | 11.1  | 1,728 | 2,880     | 3,627 |     |
| 18        | 24                                      | -      | -      | -      | 42    | 6.1 | 10.1           | 11.1  | 1,728 | 2,880     | 3,627 |     |
| 24        | 24                                      | -      | -      | -      | 48    | 6.1 | 10.1           | 11.1  | 1,728 | 2,880     | 3,627 |     |
| 7         | 7                                       | 7      | -      | -      | 21    | 4.4 | 7.4            | 8.5   | 1,026 | 1,710     | 2,873 |     |
| 7         | 7                                       | 9      | -      | -      | 23    | 4.9 | 8.1            | 9.3   | 1,122 | 1,870     | 3,275 |     |
| 7         | 9                                       | 9      | -      | -      | 25    | 5.3 | 8.8            | 10.1  | 1,260 | 2,100     | 3,735 |     |
| 7         | 7                                       | 12     | -      | -      | 26    | 5.5 | 9.1            | 10.5  | 1,326 | 2,210     | 3,735 |     |
| 9         | 9                                       | 9      | -      | -      | 27    | 5.7 | 9.5            | 10.9  | 1,428 | 2,380     | 3,775 |     |
| 7         | 9                                       | 12     | -      | -      | 28    | 5.9 | 9.8            | 11.3  | 1,524 | 2,540     | 3,775 |     |
| 9         | 9                                       | 12     | -      | -      | 30    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 7         | 12                                      | 12     | -      | -      | 31    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 7         | 7                                       | 18     | -      | -      | 32    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 9         | 12                                      | 12     | -      | -      | 33    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 7         | 9                                       | 18     | -      | -      | 34    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 12        | 12                                      | 12     | -      | -      | 36    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 9         | 9                                       | 18     | -      | -      | 36    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 7         | 12                                      | 18     | -      | -      | 37    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 7         | 7                                       | 24     | -      | -      | 38    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 9         | 12                                      | 18     | -      | -      | 39    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 7         | 9                                       | 24     | -      | -      | 40    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 12        | 12                                      | 18     | -      | -      | 42    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 9         | 9                                       | 24     | -      | -      | 42    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 7         | 18                                      | 18     | -      | -      | 43    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 7         | 12                                      | 24     | -      | -      | 43    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 9         | 18                                      | 18     | -      | -      | 45    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 9         | 12                                      | 24     | -      | -      | 45    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 12        | 18                                      | 18     | -      | -      | 48    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 12        | 12                                      | 24     | -      | -      | 48    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 7         | 18                                      | 24     | -      | -      | 49    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 9         | 18                                      | 24     | -      | -      | 51    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 12        | 18                                      | 24     | -      | -      | 54    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |
| 18        | 18                                      | 18     | -      | -      | 54    | 6.1 | 10.1           | 11.3  | 1,584 | 2,640     | 3,775 |     |

# COMBINATION TABLE

## UHXM90MA1

| Operation | Combination<br>(Capacity index, kBtu/h) |        |        |        |       |    | Heating        |       |      |           |       |       |
|-----------|---|--------|--------|--------|-------|----|----------------|-------|------|-----------|-------|-------|
|           |   |        |        |        |       |    | Total Capacity |       |      | Input (W) |       |       |
|           |   |        |        |        |       |    | Min            | Rated | Max  | Min       | Rated | Max   |
| UNIT-A    | UNIT-B                                  | UNIT-C | UNIT-D | UNIT-E | Total | kW | kW             | kW    | Min  | Rated     | Max   |       |
| 4Unit     | 7                                       | 7      | 7      | 7      | -     | 28 | 5.9            | 9.8   | 11.8 | 1,356     | 2,260 | 3,745 |
|           | 7                                       | 7      | 7      | 9      | -     | 30 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 9      | 9      | -     | 32 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 7      | 12     | -     | 33 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 9      | 9      | 9      | -     | 34 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 9      | 12     | -     | 35 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 9                                       | 9      | 9      | 9      | -     | 36 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 9      | 9      | 12     | -     | 37 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 12     | 12     | -     | 38 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 9                                       | 9      | 9      | 12     | -     | 39 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 7      | 18     | -     | 39 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 9      | 12     | 12     | -     | 40 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 9      | 18     | -     | 41 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 9                                       | 9      | 12     | 12     | -     | 42 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 12     | 12     | 12     | -     | 43 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 9      | 9      | 18     | -     | 43 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 12     | 18     | -     | 44 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 9                                       | 12     | 12     | 12     | -     | 45 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 9                                       | 9      | 9      | 18     | -     | 45 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 7      | 24     | -     | 45 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 9      | 12     | 18     | -     | 46 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 9      | 24     | -     | 47 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 12                                      | 12     | 12     | 12     | -     | 48 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 9                                       | 9      | 12     | 18     | -     | 48 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 12     | 12     | 18     | -     | 49 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 9      | 9      | 24     | -     | 49 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 12     | 24     | -     | 50 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 7      | 18     | 18     | -     | 50 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 9                                       | 12     | 12     | 18     | -     | 51 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 9                                       | 9      | 9      | 24     | -     | 51 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 7                                       | 9      | 12     | 24     | -     | 52 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
|           | 9                                       | 9      | 12     | 24     | -     | 54 | 6.1            | 10.1  | 12.1 | 1,482     | 2,470 | 3,775 |
| 5Unit     | 7                                       | 7      | 7      | 7      | 7     | 35 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 7      | 9     | 37 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 9      | 9     | 39 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 7      | 12    | 40 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 9      | 9      | 9     | 41 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 9      | 12    | 42 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 9      | 9      | 9      | 9     | 43 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 9      | 9      | 12    | 44 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 9                                       | 9      | 9      | 9      | 9     | 45 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 7      | 18    | 46 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 9      | 9      | 9      | 12    | 46 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 9      | 12     | 12    | 47 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 9                                       | 9      | 9      | 9      | 12    | 48 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 12     | 12    | 45 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 9      | 18    | 48 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 9      | 9      | 12     | 12    | 49 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 12     | 12     | 12    | 50 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 9      | 9      | 18    | 50 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 9                                       | 9      | 9      | 12     | 12    | 51 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 12     | 18    | 51 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 9      | 12     | 12     | 12    | 52 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 9      | 9      | 9      | 18    | 52 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 7      | 24    | 52 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 9      | 12     | 18    | 53 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 7                                       | 7      | 7      | 9      | 24    | 54 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 9                                       | 9      | 9      | 9      | 18    | 54 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |
|           | 9                                       | 9      | 12     | 12     | 12    | 54 | 6.1            | 10.1  | 12.1 | 1,320     | 2,200 | 3,700 |

**Note :**

- Capacities are based on the following conditions :  
 - Cooling :Indoor Temp. 27°CDB/19°CWB, Outdoor Temp. 35°CDB/24°CWB  
 - Heating :Indoor Temp. 20°CDB / 15°CWB, Outdoor Temp. 7°CDB / 6°CWB
- The total ability of connected a indoor unit is up to 8.78kW
- At least two indoor units should be connected.
- Don't exceed the maximum connectable indoor units number, it can be found in Specifications or combination table of outdoor unit model







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