

# U-MATCH SERIES AIR CONDITIONERS



## 4.3 Floor Ceiling Type Data

| Model                           | Indoor Unit           |                   | GUD35ZD1/A-S                            | GUD50ZD1/A-S    | GUD71ZD1/A-S       | GUD85ZD1/A-S        |             |             |
|---------------------------------|-----------------------|-------------------|---|-----------------|--------------------|---------------------|-------------|-------------|
|                                 | Outdoor Unit          |                   | GUD35W1/NhA-S                           | GUD50W1/NhA-S   | GUD71W1/NhA-S      | GUD85W1/NhA-S       |             |             |
| Rated Capacity                  | Cooling               | kW                | 3.50                                    | 5.30            | 7.10               | 8.50                |             |             |
|                                 | Heating               | kW                | 4.00                                    | 5.60            | 7.70               | 8.80                |             |             |
| Input Power                     | Cooling               | kW                | 0.92                                    | 1.56            | 2.03               | 2.50                |             |             |
|                                 | Heating               | kW                | 0.93                                    | 1.44            | 1.95               | 2.25                |             |             |
| EER/ COP                        |                       | W/W               | 3.80/4.30                               | 3.40/3.90       | 3.50/3.95          | 3.40/3.90           |             |             |
| SEER/SCOP                       |                       | —                 | 7.20/4.10                               | 6.50/4.20       | 7.20/4.30          | 6.80/4.50           |             |             |
| Energy Class (Cooling /Heating) |                       | —                 | A++/A+                                  | A++/A+          | A++/A+             | A++/A+              |             |             |
| Indoor Unit                     |                       |                   | GUD35ZD1/A-S                            | GUD50ZD1/A-S    | GUD71ZD1/A-S       | GUD85ZD1/A-S        |             |             |
| Power Supply                    |                       |                   | 220-240V ~50/60Hz                       |                 |                    |                     |             |             |
| Heat Exchanger                  |                       |                   | — Inner Groove Copper Tube-Aluminum Fin |                 |                    |                     |             |             |
| Fan Motor                       | Type                  | —                 | Centrifugal Fan                         |                 |                    |                     |             |             |
|                                 | Air Volume (SH/H/M/L) | m <sup>3</sup> /h | 650/600/500/400                         | 900/800/700/600 | 1250/1100/1000/900 | 1400/1300/1200/1000 |             |             |
| Filter                          |                       |                   | — PP                                    |                 |                    |                     |             |             |
| Sound Pressure Level (SH/H/M/L) |                       |                   | dB(A)                                   |                 | 35/34/31/28        | 41/40/38/36         | 41/39/37/35 | 46/45/43/39 |
| Connection Pipe                 | Liquid Pipe           | in.               | Φ1/4                                    | Φ1/4            | Φ3/8               | Φ3/8                |             |             |
|                                 | Gas Pipe              | in.               | Φ3/8                                    | Φ1/2            | Φ5/8               | Φ5/8                |             |             |
|                                 | Water Pipe            | mm                | Φ17×1.5                                 | Φ17×1.5         | Φ17×1.5            | Φ17×1.5             |             |             |
| Dimensions (W×D×H)              | Outline               | mm                | 870×665×235                             | 870×665×235     | 1200×665×235       | 1200×665×235        |             |             |
|                                 | Package               | mm                | 973×770×300                             | 973×770×300     | 1303×770×300       | 1303×770×300        |             |             |
| Weight                          | Net/Gross             | kg                | 24.0/28.0                               | 25.0/29.0       | 31.0/36.0          | 32.0/37.0           |             |             |
| Outdoor Unit                    |                       |                   | GUD35W1/NhA-S                           | GUD50W1/NhA-S   | GUD71W1/NhA-S      | GUD85W1/NhA-S       |             |             |
| Heat Exchanger                  |                       |                   | Inner Groove Copper Tube-Aluminum Fin   |                 |                    |                     |             |             |
| Power Supply                    |                       |                   | 220-240V ~50/60Hz                       |                 |                    |                     |             |             |
| Compressor                      | Model                 |                   | FTz-AN108ACBD                           | QXF-A120zH170A  | QXFS-M180zX170     | QXFS-B238zX070      |             |             |
|                                 | Type                  |                   | Rotary                                  | Rotary          | Rotary             | Rotary              |             |             |
| Fan Motor                       | Type                  | —                 | Axial Fan                               | Axial Fan       | Axial Fan          | Axial Fan           |             |             |
|                                 | Air Volume            | m <sup>3</sup> /h | 1800                                    | 2200            | 3600               | 3600                |             |             |
| Sound Pressure Level            |                       |                   | dB(A)                                   |                 | 48                 | 52                  | 55          | 57          |
| Refrigerant                     | Type                  |                   | R32                                     |                 |                    |                     |             |             |
|                                 | Weight                | kg                | 0.57                                    | 0.85            | 1.5                | 1.5                 |             |             |
|                                 | Throttling Method     |                   | Electronic Expansion Valve              |                 |                    |                     |             |             |
| Connection Pipe                 | Liquid Pipe           | in.               | Φ1/4                                    | Φ1/4            | Φ3/8               | Φ3/8                |             |             |
|                                 | Gas Pipe              | in.               | Φ3/8                                    | Φ1/2            | Φ5/8               | Φ5/8                |             |             |
| Refrigerant Pipe                | Standard Length       | m                 | 5                                       |                 |                    |                     |             |             |
|                                 | Max. Length           | m                 | 30                                      |                 |                    |                     |             |             |
|                                 | Max. Height           | m                 | 15                                      |                 |                    |                     |             |             |

| Model              | Indoor Unit  |    | GUD35ZD1/A-S  | GUD50ZD1/A-S  | GUD71ZD1/A-S  | GUD85ZD1/A-S  |
|--------------------|--------------|----|---------------|---------------|---------------|---------------|
|                    | Outdoor Unit |    | GUD35W1/NhA-S | GUD50W1/NhA-S | GUD71W1/NhA-S | GUD85W1/NhA-S |
| Dimensions (W×D×H) | Outline      | mm | 675×285×553   | 745×300×555   | 889×340×660   | 889×340×660   |
|                    | Package      | mm | 794×376×605   | 872×398×609   | 1032×456×730  | 1032×456×730  |
| Weight             | Net/Gross    | kg | 24.5/27.0     | 30.5/33.0     | 41.5/45.0     | 46/50.0       |

| Model                           | Indoor Unit           |   | GUD100ZD1/A-S                             | GUD125ZD1/A-S       | GUD140ZD1/A-S       |
|---------------------------------|-----------------------|---|---|---------------------|---------------------|
|                                 | Outdoor Unit          |   | GUD100W1/NhA-S                            | GUD125W1/NhA-S      | GUD140W1/NhA-S      |
| Rated Capacity                  | Cooling               | kW  | 10.00                                     | 12.10               | 13.40               |
|                                 | Heating               | kW  | 11.50                                     | 13.5 0              | 15.50               |
| Input Power                     | Cooling               | kW  | 2.94                                      | 3.67                | 4.30                |
|                                 | Heating               | kW  | 2.95                                      | 3.75                | 4.20                |
| EER/ COP                        | W/W                   |   | 3.40/3.90                                 | 3.30/3.60           | 3.12/3.69           |
| SEER/SCOP                       | —                     |   | 6.30/4.20                                 | 6.30/4.00           | 6.30/4.00           |
| Energy Class (Cooling /Heating) | —                     |   | A++/A+                                    | A++/A+              | A++/A+              |
| Indoor Unit                     |                       |   | GUD100ZD1/A-S                             | GUD125ZD1/A-S       | GUD140ZD1/A-S       |
| Power Supply                    |                       |   | 220-240V ~50/60Hz                         |                     |                     |
| Heat Exchanger                  |                       |   | — Inner Groove Copper Tube-Aluminum Fin   |                     |                     |
| Fan Motor                       | Type                  | —   | Centrifugal Fan                           |                     |                     |
|                                 | Air Volume (SH/H/M/L) | m³/h  | 1600/1500/1400/1200                       | 1900/1800/1600/1400 | 2300/2100/1800/1500 |
| Filter                          |                       |   | — PP PP PP                                |                     |                     |
| Sound Pressure Level(SH/H/M/L)  |                       |   | dB(A) 48/46/45/43 45/43/40/38 51/48/45/43 |                     |                     |
| Connection Pipe                 | Liquid Pipe           | in.   | Φ3/8 Φ3/8 Φ3/8                            |                     |                     |
|                                 | Gas Pipe              | in.   | Φ5/8 Φ5/8 Φ5/8                            |                     |                     |
|                                 | Water Pipe            | mm  | Φ17×1.5 Φ17×1.5 Φ17×1.5                   |                     |                     |
| Dimensions (W×D×H)              | Outline               | mm  | 1200×665×235 1570×665×235 1570×665×235    |                     |                     |
|                                 | Package               | mm  | 1303×770×300 1669×770×300 1669×770×300    |                     |                     |
| Weight                          | Net/Gross             | kg  | 32.0/37.0 39.5/46.5 42.0/49.0             |                     |                     |
| Outdoor Unit                    |                       |   | GUD100W1/NhA-S                            | GUD125W1/NhA-S      | GUD140W1/NhA-S      |
| Heat Exchanger                  |                       |   | Inner Groove Copper Tube-Aluminum Fin     |                     |                     |
| Power Supply                    |                       |   | 220-240V ~50/60Hz                         |                     |                     |
| Compressor                      | Model                 | QXFS-D280zX070 QXFS-D280zX070 QXFS-D280zX070B |   |                     |                     |
|                                 | Type                  | Rotary Rotary Rotary                          |   |                     |                     |
| Fan Motor                       | Type                  | —   | Axial Fan Axial Fan Axial Fan             |                     |                     |
|                                 | Air Volume            | m³/h  | 4800 5200 5200                            |                     |                     |
| Sound Pressure Level            |                       |   | dB(A) 57 58 59                            |                     |                     |
| Refrigerant                     | Type                  | R32 R32 R32                                   |   |                     |                     |
|                                 | Weight                | kg  | 2.1 2.25 2.80                             |                     |                     |
|                                 | Throttling Method     |   | Electronic Expansion Valve                |                     |                     |
| Connection Pipe                 | Liquid Pipe           | in.   | Φ3/8 Φ3/8 Φ3/8                            |                     |                     |
|                                 | Gas Pipe              | in.   | Φ5/8 Φ5/8 Φ5/8                            |                     |                     |