

# LG CASSETTES



## COMPACT SIZE

The indoor unit with slim and compact dimensions has reduced the restriction which enables successful installation in various spaces. Quiet Operation with 3D Fan. New technology of 3D fan is applied to H-Inverter cassettes 10-14KW. It increases air flow but reduces noise.

## 620 PANEL - COMPACT & STYLISH DESIGN

New 4 way cassette panel adapted in a unibody shape and matching into the ceiling. Panel size fits into the ceiling tile.

# LG Cassette



| Indoor Unit                 |                                | CT09 NR2             | CT12 NR2                     | CT18 NQ4                     | CT24 NP4                      | UT30 NP4                      | UT36 NN2                       | UT48 NM2                       | UT60 NM2                       |
|-----------------------------|--------------------------------|----------------------|------------------------------|------------------------------|-------------------------------|-------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Capacity                    |                                | kW                   | 1.0/2.5/2.8<br>1.2/3.0/3.3   | 2.0/5.0/5.5<br>2.2/5.8/6.8   | 2.84/6.8/7.8<br>3.2/8.0/8.8   | 3.2/8.0/8.8<br>3.6/9.0/9.9    | 4.0/10.0/11.0<br>4.4/11.0/12.1 | 5.5/13.9/15.7<br>6.4/15.3/17.6 | 5.9/14.6/16.3<br>6.8/16.9/18.7 |
| Low Temperature Capacity    |                                | kW                   |                              |                              |                               |                               |                                |                                |                                |
| Power Input (Set)           |                                | kW                   | 2.7<br>0.75                  | 4.9<br>1.56                  | 7.2<br>2.00                   | 8.1<br>2.49                   | 9.8<br>2.82                    | 14.3<br>4.62                   | 15.2<br>5.40                   |
| Power Input (Indoor)        |                                | kW                   | 0.81                         | 1.66                         | 2.22                          | 2.72                          | 3.09                           | 4.49                           | 5.50                           |
| Running Current             |                                | W                    | 10/20/20                     | 10/30/40                     | 20/50/60                      | 30/70/80                      | 40/130/140                     | 80/190/210                     | 80/190/210                     |
| Power Supply                |                                | A                    | 3.3/3.5                      | 4.61/4.78                    | 8.9/9.7                       | 10.8/11.8                     | 41/4.5                         | 6.7/6.5                        | 7.8/8.0                        |
| EER                         |                                | W/V/Hz               | 1/220-240/50                 | 1/220-240/50                 | 1/220-240/50                  | 1/220-240/50                  | 1/220-240/50                   | 1/220-240/50                   | 1/220-240/50                   |
| COP                         |                                |                      | 3.33<br>3.70                 | 3.21<br>3.49                 | 3.40<br>3.60                  | 3.21<br>3.31                  | 3.55<br>3.56                   | 3.01<br>3.41                   | 2.70<br>3.07                   |
| SEER                        |                                |                      | 5.11                         | 6.10                         | 6.80                          | 6.30                          | 5.41                           | -                              | -                              |
| SCOP                        |                                |                      | 3.81                         | 3.91                         | 4.20                          | 4.00                          | 3.81                           | -                              | -                              |
| Pdesign (@-10ℓ)             |                                | kW                   | 28.0                         | 4.1                          | 6.3                           | 6.8                           | 7.60                           | -                              | -                              |
| Seasonal Energy Label       |                                | A+ / A               |                              | A++ / A+                     | A++ / A+                      | A++ / A+                      | A / A                          | -                              | -                              |
| Annual Energy Consumption   |                                | kWh                  | 172/1,032                    | 213/1,077                    | 350/2,110                     | 444/2,380                     | 648/2,800                      | -                              | -                              |
| Piping Connection           |                                | mm(inch)<br>mm(inch) | Ø 6.35 (1/4)<br>Ø 9.52 (3/8) | Ø 6.35 (1/4)<br>Ø 9.52 (3/8) | Ø 9.52 (3/8)<br>Ø 15.88 (5/8) | Ø 9.52 (3/8)<br>Ø 15.88 (5/8) | Ø 9.52 (3/8)<br>Ø 15.88 (5/8)  | Ø 9.52 (3/8)<br>Ø 15.88 (5/8)  | Ø 9.52 (3/8)<br>Ø 15.88 (5/8)  |
| Drain                       |                                | mm                   | 32/25                        | 32/25                        | Ø 32.0/25.0                   | Ø 32.0/25.0                   | 32/25                          | 32/25                          | 32/25                          |
| Air Flow Rate               |                                | m3/min               | 8.5/7.0/6.0                  | 9.5/8.0/7.0                  | 13.0/12.0/11.0                | 19.0/17.0/15.0                | 24.0/22.0/19.0                 | 34.0/32.0/30.0                 | 34.0/32.0/30.0                 |
| Sound Pressure              |                                | dBA                  | 36/33/30                     | 38/35/32                     | 41/39/36                      | 40/37/35                      | 43/40/37                       | 49/47/45                       | 49/47/45                       |
| Sound Power                 |                                | dBA                  | 48                           | 51                           | 57                            | 58                            | 62                             | 66                             | 66                             |
| Dehumidification Rate       |                                | l/h                  | 1.4                          | 1.7                          | 2.1                           | 2.5                           | 2.7                            | 4.4                            | 5.5                            |
| Dimensions                  |                                | mm                   | 570 x 214 x 570              | 570 x 214 x 570              | 570 x 256 x 570               | 840 x 204 x 840               | 840 x 246 x 840                | 840 x 288 x 840                | 840 x 288 x 840                |
| Net Weight                  |                                | kg                   | 14.0                         | 14.0                         | 15.3                          | 20.5                          | 22.3                           | 24.6                           | 24.6                           |
| Decoration Panel            |                                | Model                | PT-UQC                       | PT-UQC                       | PT-UQC                        | PT-UQC1                       | PT-UQC1                        | PT-UQC1                        | PT-UQC1                        |
| Color                       |                                |                      | Morning Fog                  | Morning Fog                  | Morning Fog                   | Morning Fog                   | Morning Fog                    | Morning Fog                    | Morning Fog                    |
| Dimensions                  |                                | mm                   | 700 x 22 x 700               | 700 x 22 x 700               | 700 x 22 x 700                | 950 x 25 x 950                | 950 x 25 x 950                 | 950 x 25 x 950                 | 950 x 25 x 950                 |
| Weight                      |                                | kg                   | 3.0                          | 3.0                          | 3.0                           | 5.0                           | 5.0                            | 5.0                            | 5.0                            |
|                             |                                |                      |                              |                              |                               |                               | Ø Ø Ø (UO2)                    |                                |                                |
| Outdoor Unit                |                                | UU09W ULD            | UU12W ULD                    | UU18W UE4                    | UU24W U44                     | UU30W U44                     | UU37W UO2                      | UU49W U32                      | UU61W U32                      |
| Compressor                  | Type                           | Rotary               | Rotary                       | Twin Rotary                  | Twin Rotary                   | Twin Rotary                   | Twin Rotary                    | Twin Rotary                    | Twin Rotary                    |
| Airflow Rate                |                                | 32                   | 32                           | 50                           | 58                            | 58                            | 90                             | 110                            | 110                            |
| Sound Pressure              | Cooling                        | 47                   | 47                           | 47                           | 48                            | 48                            | 53                             | 52                             | 52                             |
|                             | Heating                        | 48                   | 48                           | 52                           | 52                            | 52                            | 54                             | 54                             | 54                             |
| Sound Power                 | Cooling                        | 56                   | 57                           | 63                           | 67                            | 68                            | 66                             | 68                             | 71                             |
| Dimensions                  | WXHxD                          | 770 x 540 x 245      | 770 x 540 x 245              | 870 x 655 x 320              | 950 x 834 x 330               | 950 x 834 x 330               | 950 x 1,170 x 330              | 950 x 1,380 x 330              | 950 x 1,380 x 330              |
| Net Weight                  |                                | 32.0                 | 32.0                         | 44.6                         | 56.1                          | 58.0                          | 85.0                           | 96.0                           | 96.0                           |
| Refrigerant                 | Type                           | R410A                | R410A                        | R410A                        | R410A                         | R410A                         | R410A                          | R410A                          | R410A                          |
|                             | Charge                         | 1E000                | 1E000                        | 1E300                        | 2E000                         | 2E000                         | 2E800                          | 3E400                          | 3E400                          |
| Operation Range (Outdoor)   | Additional Charge (after 7.5m) | 20                   | 20                           | 20                           | 40                            | 40                            | 40                             | 40                             | 40                             |
|                             | Cooling                        | -10 ~ 43             | -10 ~ 43                     | -15 ~ 48                     | -15 ~ 48                      | -15 ~ 48                      | -15 ~ 48                       | -15 ~ 48                       | -15 ~ 48                       |
|                             | Heating                        | -18 ~ 18             | -18 ~ 18                     | -18 ~ 18                     | -18 ~ 18                      | -18 ~ 18                      | -18 ~ 18                       | -18 ~ 18                       | -18 ~ 18                       |
| Power Supply                | Power Supply Cable             | 1/220-240/50         | 1/220-240/50                 | 1/220-240/50                 | 1/220-240/50                  | 1/220-240/50                  | 3/380-415/50                   | 3/380-415/50                   | 3/380-415/50                   |
| Transmission Cable          | No. x mm²                      | 3C x 2.5             | 3C x 2.5                     | 3C x 2.5                     | 3C x 2.5                      | 3C x 2.5                      | 5C x 2.5                       | 5C x 2.5                       | 5C x 2.5                       |
| Circuit Breaker             | No. x mm²                      | 4C x 0.75            | 4C x 0.75                    | 4C x 0.75                    | 4C x 0.75                     | 4C x 0.75                     | 4C x 0.75                      | 4C x 0.75                      | 4C x 0.75                      |
| Piping Length Total         | A                              | 15                   | 15                           | 20                           | 25                            | 25                            | 20                             | 20                             | 20                             |
| Piping Elevation Difference | Circuit Breaker                | 5~15                 | 5~15                         | 5~30                         | 5~50                          | 5~50                          | 5~50                           | 5~75                           | 5~75                           |
| Piping Connection           | IDU-ODU                        | 10                   | 10                           | 30                           | 30                            | 30                            | 30                             | 30                             | 30                             |
|                             | Liquid                         | Ø 6.35 (1/4)         | Ø 6.35 (1/4)                 | Ø 6.35 (1/4)                 | Ø 9.52 (3/8)                  | Ø 9.52 (3/8)                  | Ø 9.52 (3/8)                   | Ø 9.52 (3/8)                   | Ø 9.52 (3/8)                   |
|                             | Gas                            | Ø 9.52 (3/8)         | Ø 9.52 (3/8)                 | Ø 12.7 (1/2)                 | Ø 15.88 (5/8)                 | Ø 15.88 (5/8)                 | Ø 15.88 (5/8)                  | Ø 15.88 (5/8)                  | Ø 15.88 (5/8)                  |