

# ARTCOOL MIRROR



LG participates in the ECP programme for EUROVENT AC program. Check ongoing validity of certification: [www.eurovent-certification.com](http://www.eurovent-certification.com)



Embedded Wi-Fi



Smart Diagnosis



Active Energy Control



Energy Display



Plasmaster Ionizer<sup>PLUS</sup>



Plasmaster Auto Cleaning



Jet Cool



4 Way Swing



Fast Heating



Gold Fin™



Comfort Air



Low Noise 19dB (9k, 12k)



Silent Mode



Quick & Easy Installation

## • Single Combination

| UNIT                           |                            |                   |                      | 9K                     | 12K                    | 18K                      | 24K                      |
|--------------------------------|----------------------------|-------------------|----------------------|------------------------|------------------------|--------------------------|--------------------------|
| INDOOR                         |                            |                   |                      | AC09BQ NSJ             | AC12BQ NSJ             | AC18BQ NSK               | AC24BQ NSK               |
| Capacity                       | Cooling                    | Min / Rated / Max | W                    | 890 / 2,500 / 3,700    | 890 / 3,500 / 4,040    | 900 / 5,000 / 5,500      | 900 / 6,600 / 7,420      |
|                                | Heating                    | Min / Rated / Max | W                    | 890 / 3,300 / 4,100    | 890 / 4,000 / 5,100    | 900 / 5,800 / 6,400      | 900 / 7,500 / 8,640      |
|                                | Heating -7°C               | Rated             | W                    | 2,600                  | 3,000                  | 4,200                    | 6,000                    |
| Power Input                    | Cooling                    | Rated             | W                    | 656                    | 1,080                  | 1,562                    | 2,164                    |
|                                | Heating                    | Rated             | W                    | 800                    | 1,050                  | 1,611                    | 2,238                    |
| EER                            |                            |                   | W / W                | 3.81                   | 3.24                   | 3.20                     | 3.05                     |
| S.E.E.R.                       |                            |                   |                      | 7.0                    | 6.6                    | 7.0                      | 6.9                      |
| P design C                     |                            |                   | kW                   | 2.5                    | 3.5                    | 5.0                      | 6.6                      |
| COP                            |                            |                   | W / W                | 4.13                   | 3.81                   | 3.60                     | 3.35                     |
| S.C.O.P. (Average / Warmer)    |                            |                   |                      | 4.0 / 4.9              | 4.0 / 4.9              | 4.3 / 5.3                | 4.3 / 5.3                |
| P design H (Average / Warmer)  |                            |                   | kW                   | 2.5 / 1.3              | 2.5 / 1.3              | 3.9 / 2.1                | 5.0 / 2.7                |
| Energy Label (A+++ to D Scale) | Cooling                    |                   |                      | A++                    | A++                    | A++                      | A++                      |
|                                | Heating (Average / Warmer) |                   |                      | A+ / A++               | A+ / A++               | A+ / A+++                | A+ / A+++                |
| Annual Energy Consumption      | Cooling                    |                   | kWh                  | 125                    | 186                    | 250                      | 335                      |
|                                | Heating (Average / Warmer) |                   | kWh                  | 875 / 371              | 875 / 371              | 1270 / 555               | 1628 / 713               |
| Sound Pressure                 | Cooling                    | S / L / M / H     | dB(A)                | 19 / 27 / 35 / 41      | 19 / 27 / 35 / 41      | 31 / 34 / 39 / 44        | 31 / 34 / 42 / 47        |
|                                | Heating                    | L / M / H         | dB(A)                | 27 / 35 / 41           | 27 / 35 / 41           | 34 / 39 / 44             | 34 / 42 / 47             |
| Sound Power                    | Cooling                    | Power             | dB(A)                | 59                     | 59                     | 60                       | 65                       |
|                                |                            | S / L / M / H     | m <sup>3</sup> / min | 3.0 / 4.2 / 7.5 / 10.0 | 3.0 / 4.2 / 7.5 / 10.0 | 8.0 / 10.5 / 13.0 / 14.5 | 8.0 / 10.5 / 13.1 / 16.1 |
| Air Flow Rate                  | Cooling                    | Max (Power)       | m <sup>3</sup> / min | 12.5                   | 12.5                   | 15.5                     | 20.0                     |
|                                | Heating                    | L / M / H         | m <sup>3</sup> / min | 5.6 / 7.2 / 10.0       | 5.6 / 7.2 / 10.0       | 11.0 / 13.5 / 16.0       | 10.5 / 13.1 / 16.1       |
| Dehumidification Rate          |                            |                   | l/h                  | 1.1                    | 1.3                    | 1.8                      | 2.5                      |
|                                | Cooling                    | Rated             | A                    | 3.3                    | 4.7                    | 6.9                      | 9.8                      |
| Running Current                |                            | Max               | A                    | 6.0                    | 6.0                    | 9.0                      | 14.0                     |
|                                |                            | Rated             | A                    | 4.0                    | 4.7                    | 7.1                      | 10.4                     |
|                                | Heating                    | Max               | A                    | 7.0                    | 7.0                    | 9.5                      | 14.0                     |
| Starting Current               | Cooling / Heating          | Rated             | A                    | 3.3 / 4.0              | 4.7 / 4.7              | 6.9 / 7.1                | 9.8 / 10.4               |
| Power Supply                   |                            |                   | ∅, V, Hz             | 1, 220-240, 50         | 1, 220-240, 50         | 1, 220-240, 50           | 1, 220-240, 50           |
| Circuit Breaker                |                            |                   | A                    | 15                     | 15                     | 20                       | 25                       |
| Power Supply Cable             |                            |                   | N x mm <sup>2</sup>  | 3 x 1.0                | 3 x 1.0                | 3 x 1.5                  | 3 x 2.5                  |
| Power & Transmission Cable     |                            |                   | N x mm <sup>2</sup>  | 4 x 1.0                | 4 x 1.0                | 4 x 1.0                  | 4 x 1.0                  |
|                                |                            |                   |                      | (Including Earth)      | (Including Earth)      | (Including Earth)        | (Including Earth)        |
| Dimension                      |                            |                   | mm                   | 837 x 308 x 192        | 837 x 308 x 192        | 998 x 345 x 212          | 998 x 345 x 212          |
| Net Weight                     |                            |                   | kg                   | 9.9                    | 9.9                    | 12.8                     | 13.5                     |
| Fan Motor Output               |                            |                   | W                    | 30                     | 30                     | 30                       | 60                       |
| OUTDOOR                        |                            |                   |                      | AC09BQ UA3             | AC12BQ UA3             | AC18BQ UL2               | AC24BQ U24               |
| Operation Range                | Cooling                    | Min / Max         | °CDB                 | -10 / 48               | -10 / 48               | -15 / 48                 | -15 / 48                 |
|                                | Heating                    | Min / Max         | °CDB                 | -10 / 24               | -10 / 24               | -10 / 24                 | -10 / 24                 |
| Sound Pressure                 | Cooling                    | High              | dB(A)                | 48                     | 48                     | 53                       | 54                       |
|                                | Heating                    | High              | dB(A)                | 50                     | 50                     | 55                       | 57                       |
| Sound Power                    | Cooling                    | High              | dB(A)                | 65                     | 65                     | 65                       | 70                       |
|                                |                            | High              | m <sup>3</sup> / min | 27                     | 27                     | 35                       | 50                       |
| Piping                         | Length (Odu / Idu)         | Min / Max         | m                    | 3 / 15                 | 3 / 15                 | 3 / 20                   | 3 / 30                   |
|                                | Elevation (Odu / Idu)      | Max               | m                    | 7                      | 7                      | 10                       | 15                       |
| Piping Connection              | Liquid                     | OD (Outside)      | mm (inch)            | 6.35 (1/4)             | 6.35 (1/4)             | 6.35 (1/4)               | 6.35 (1/4)               |
|                                | Gas                        | OD (Outside)      | mm (inch)            | 9.52 (3/8)             | 9.52 (3/8)             | 12.7 (1/2)               | 15.88 (5/8)              |
| Drain Hose Size                |                            | OD (Outside)      | mm (inch)            | 21.5 (0.85)            | 21.5 (0.85)            | 21.5 (0.85)              | 21.5 (0.85)              |
|                                | Type                       |                   |                      | R32                    | R32                    | R32                      | R32                      |
| Refrigerant                    | Charge at 7.5m             |                   | kg                   | 0.700                  | 0.700                  | 1.000                    | 1.100                    |
|                                |                            |                   | t-CO <sub>2</sub> eq | 0.473                  | 0.473                  | 0.675                    | 0.743                    |
|                                | Additional charge          |                   | g/m                  | 20                     | 20                     | 20                       | 20                       |
|                                | GWP                        |                   |                      | 675                    | 675                    | 675                      | 675                      |
| Fan Motor Output               |                            |                   | W                    | 43                     | 43                     | 43                       | 85                       |
| Compressor Type                |                            |                   |                      | Twin Rotary            | Twin Rotary            | Twin Rotary              | Twin Rotary              |
| Net Weight                     |                            |                   | kg                   | 26.0                   | 26.0                   | 35.2                     | 46.4                     |
| Dimension                      |                            |                   | mm                   | 717 x 495 x 230        | 717 x 495 x 230        | 770 x 545 x 288          | 870 x 650 x 330          |

※ This product contains Fluorinated greenhouse gases (R32).  
 ※ S : Sleep / L : Low / M : Medium / H : High  
 ※ GWP : Global warming potential  
 ※ t-CO<sub>2</sub>eq : F-gas(kg)\*GWP/1000  
 ※ Specification, design and feature are subject to change without prior notice.