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# ARTCOOL COLOR

RESIDENTIAL

WALL MOUNTED

## Single Combination

| UNIT                           |                       |                              |                      | 9K                            | 12K                           | 18K                             | 24K                             |
|--------------------------------|-----------------------|------------------------------|----------------------|-------------------------------|-------------------------------|---------------------------------|---------------------------------|
| INDOOR                         |                       |                              |                      | AB09BK NSJ                    | AB12BK NSJ                    | AB18BK NSK                      | AB24BK NSK                      |
| Capacity                       | Cooling               | Min. / Rated / Max.          | kW                   | 0.89 / 2.50 / 3.70            | 0.89 / 3.50 / 4.04            | 0.90 / 5.00 / 5.50              | 0.90 / 6.60 / 7.42              |
|                                | Heating               | Min. / Rated / Max.          | kW                   | 0.89 / 3.30 / 4.10            | 0.89 / 4.00 / 5.10            | 0.90 / 5.80 / 6.40              | 0.90 / 7.50 / 8.64              |
|                                | Heating -7°C          | Rated                        | kW                   | 2.60                          | 3.00                          | 4.20                            | 6.00                            |
| Power Input                    | Cooling / Heating     | Rated                        | W                    | 656 / 800                     | 1,080 / 1,050                 | 1,562 / 1,611                   | 2,164 / 2,238                   |
| EER                            |                       |                              | W/W                  | 3.81                          | 3.24                          | 3.20                            | 3.05                            |
| S.E.E.R.                       |                       |                              |                      | 7.00                          | 6.60                          | 7.00                            | 6.90                            |
| P design C                     |                       |                              | kW                   | 2.50                          | 3.50                          | 5.00                            | 6.60                            |
| COP                            |                       |                              | W/W                  | 4.13                          | 3.81                          | 3.60                            | 3.35                            |
| S.C.O.P                        |                       | (Average / Warmer)           |                      | 4.00 / 4.90                   | 4.00 / 4.90                   | 4.30 / 5.30                     | 4.30 / 5.30                     |
| P design H (Average / Warmer)  |                       |                              | kW                   | 2.50 / 1.30                   | 2.50 / 1.30                   | 3.90 / 2.10                     | 5.00 / 2.70                     |
| 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                     | 1,270 / 555                     | 1,628 / 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               |                              | dB(A)                | 59                            | 59                            | 60                              | 65                              |
| Air Flow Rate                  | Cooling               | S / L / M / H / Max. (Power) | m³/min               | 3.0 / 4.2 / 7.5 / 10.0 / 12.5 | 3.0 / 4.2 / 7.5 / 10.0 / 12.5 | 8.0 / 10.5 / 13.0 / 14.5 / 15.5 | 8.0 / 10.5 / 13.1 / 16.1 / 18.3 |
|                                | Heating               | L / M / H                    | m³/min               | 5.6 / 7.2 / 10.0              | 5.6 / 7.2 / 10.0              | 11.0 / 13.5 / 16.0              | 11.0 / 14.3 / 17.6              |
| Dehumidification Rate          |                       |                              | l/h                  | 1.1                           | 1.3                           | 1.8                             | 2.5                             |
| Running Current                | Cooling               | Min. / Rated / Max.          | A                    | 1.10 / 3.30 / 6.00            | 1.10 / 4.70 / 6.00            | 1.20 / 6.90 / 9.00              | 1.20 / 9.80 / 14.00             |
|                                | Heating               | Min. / Rated / Max.          | A                    | 1.10 / 4.00 / 7.00            | 1.10 / 4.70 / 7.00            | 1.20 / 7.10 / 9.50              | 1.20 / 10.00 / 14.00            |
| Starting Current               | Cooling / Heating     | Rated                        | A                    | 3.30 / 4.00                   | 4.70 / 4.70                   | 6.90 / 7.10                     | 9.80 / 10.00                    |
| Power Supply                   |                       |                              | Ø / 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 mm²              | 3 x 1.0                       | 3 x 1.0                       | 3 x 1.5                         | 3 x 2.5                         |
| Power & Transmission Cable     |                       |                              | N x mm²              | 4 x 1.0                       | 4 x 1.0                       | 4 x 1.0                         | 4 x 1.0                         |
| 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                              | 58                              |
| OUTDOOR                        |                       |                              |                      | AB09BK UA3                    | AB12BK UA3                    | AB18BK UL2                      | AB24BK U24                      |
| Operation Range                | Cooling               | Min. / Max.                  | °C DB                | -10 / 48                      | -10 / 48                      | -15 / 48                        | -15 / 48                        |
|                                | Heating               | Min. / Max.                  | °C DB                | -10 / 24                      | -10 / 24                      | -10 / 24                        | -10 / 24                        |
| Sound Pressure                 | Cooling / Heating     | High                         | dB(A)                | 48 / 50                       | 48 / 50                       | 53 / 55                         | 54 / 57                         |
| Sound Power                    | Cooling               | High                         | dB(A)                | 65                            | 65                            | 65                              | 70                              |
| Air Flow Rate                  |                       | High                         | m³/min               | 27                            | 27                            | 35                              | 49                              |
| Piping                         | Liquid (ODU / IDU)    | Min. / Max.                  | m                    | 3 / 15                        | 3 / 15                        | 3 / 20                          | 3 / 30                          |
|                                | Elevation (ODU / IDU) | Min. / 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 (27/32)                  | 21.5 (27/32)                  | 21.5 (27/32)                    | 21.5 (27/32)                    |
| Refrigerant                    | Type                  |                              |                      | R32                           | R32                           | R32                             | R32                             |
|                                | 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                |                       |                              |                      | Inverter Twin Rotary          | Inverter Twin Rotary          | Inverter Twin Rotary            | Inverter Twin Rotary            |
| Net Weight                     |                       |                              | kg                   | 25.1                          | 25.1                          | 34.4                            | 46.0                            |
| Dimension                      |                       |                              | mm                   | 717 x 495 x 230               | 717 x 495 x 230               | 770 x 545 x 288                 | 870 x 650 x 330                 |
| ACCESSORIES & OTHERS           |                       |                              |                      |                               |                               |                                 |                                 |
| Multi Compatible               |                       |                              |                      | Y                             | Y                             | Y                               | Y                               |
| PI 485                         |                       |                              |                      | -                             | -                             | -                               | -                               |
| Dry Contact                    |                       |                              |                      | Y                             | Y                             | Y                               | Y                               |
| Wired Remote Controller        |                       |                              |                      | Y                             | Y                             | Y                               | Y                               |

- ※ Available in May
- ※ 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.