

| Model No.                                 |                                |         | iQool12               |
|-------------------------------------------|--------------------------------|---------|-----------------------|
| Power supply                              |                                | Ph-V-Hz | 220-240V~ 50Hz, 1Ph   |
| Rated Cooling                             | Capacity                       | Btu/h   | 12500(4600-16000)     |
| Cooling Power input                       |                                | W       | 1177(100-1800)        |
| Cooling Current                           |                                | A       | 5.1(0.4-7.8)          |
| Rated Heating                             | Capacity                       | Btu/h   | 14000(3800-18100)     |
| Heating Power input                       |                                | W       | 1136(160-1890)        |
| Heating Current                           |                                | A       | 4.9(0.7-8.2)          |
| Seasonal Cooling                          | Pdesignc                       | kW      | 3.5                   |
|                                           | SEER                           | W/W     | 7.2                   |
|                                           | Energy Efficiency Class        |         | A++                   |
| Heating(Average )                         | Pdesignh                       | kW      | 2.8                   |
|                                           | SCOP                           | W/W     | 4.4                   |
|                                           | Energy Efficiency Class        |         | A+                    |
|                                           | Tbiv                           | °C      | -7                    |
| Heating(Warmer )                          | Pdesignh                       | kW      | 3.5                   |
|                                           | SCOP                           | W/W     | 5.4                   |
|                                           | Energy Efficiency Class        |         | A+++                  |
|                                           | Tbiv                           | °C      | 2                     |
| Tol                                       |                                | °C      | -15                   |
| Moisture Removal                          |                                | L/h     | /                     |
| Max. input consumption                    |                                | W       | 2200                  |
| Max. current                              |                                | A       | 10                    |
| Starting current                          |                                | A       | - -                   |
| Compressor                                | Model                          |         | ASN98D22UFZ           |
|                                           | Type                           |         | ROTARY                |
|                                           | Brand                          |         | GMCC                  |
|                                           | Capacity                       | Btu/h   | 10014                 |
|                                           | Input                          | W       | 748                   |
|                                           | Rated current(RLA)             | A       | 5.35                  |
|                                           | Locked rotor Amp(LRA)          | A       | - -                   |
|                                           | Thermal protector              |         | - -                   |
|                                           | Thermal protector position     |         | - -                   |
|                                           | Capacitor                      | uF      | - -                   |
|                                           | Refrigerant oil/oil charge     | ml      | ESTER OIL VG74/370    |
| Indoor fan motor                          | Model                          |         | ZKFP-20-8-6           |
|                                           | Output                         | W       | 20                    |
|                                           | Capacitor                      | uF      | - -                   |
|                                           | Speed(Hi/Mi/Lo)                | r/min   | 1100/1000/700         |
| Indoor coil                               | a.Number of rows               |         | 2                     |
|                                           | b.Tube pitch(a)x row pitch(b)  | mm      | 21x13.37              |
|                                           | c.Fin spacing                  | mm      | 1.3                   |
|                                           | d.Fin type (code)              |         | Hydrophilic aluminium |
|                                           | e.Tube outside dia.and type    | mm      | Φ7,innergroove tube   |
|                                           | f.Coil length x height x width | mm      | 605x294x26.74         |
|                                           | g.Number of circuits           |         | 2                     |
| Indoor air flow (Hi/Mi/Lo)                |                                | m3/h    | 543/460/305           |
| Indoor sound pressure level (Hi/Mi/Lo/Si) |                                | dB(A)   | 38/34/23/19           |
| Indoor sound power level (Hi)             |                                | dB(A)   | 51                    |
|                                           | Dimension(W*D*H)               | mm      | 850x204x302           |

|                              |                                |          |                        |
|------------------------------|--------------------------------|----------|------------------------|
| Indoor unit                  | Packing (W*D*H)                | mm       | 960x290x385            |
|                              | Net/Gross weight               | Kg       | 8.5/11.3               |
| Outdoor fan motor            | Model                          |          | ZKFN-40-8-1L           |
|                              | Output                         | W        | 40                     |
|                              | Capacitor                      | uF       | - -                    |
|                              | Speed                          | r/min    | 810/710/520            |
| Outdoor coil                 | a.Number of rows               |          | 1                      |
|                              | b.Tube pitch(a)x row pitch(b)  | mm       | 21x13.37               |
|                              | c.Fin spacing                  | mm       | 1.2                    |
|                              | d.Fin type (code)              |          | Hydrophilic aluminium  |
|                              | e.Tube outside dia.and type    | mm       | Φ7,innergroove tube    |
|                              | f.Coil length x height x width | mm       | 870x504x13.37          |
|                              | g.Number of circuits           |          | 2                      |
| Outdoor air flow             |                                | m3/h     | 2000                   |
| Outdoor sound pressure level |                                | dB(A)    | 55                     |
| Outdoor sound power level    |                                | dB(A)    | 59                     |
| Outdoor unit                 | Dimension(W*D*H)               | mm       | 800x333x554            |
|                              | Packing (W*D*H)                | mm       | 920x390x615            |
|                              | Net/Gross weight               | Kg       | 29.1/31.9              |
| Refrigerant                  | Type                           |          | R410A                  |
|                              | GWP                            |          | 2088                   |
|                              | Charged quantity               | Kg       | 0.95                   |
| Design pressure              |                                | MPa      | 4.2/1.5                |
| Refrigerant piping           | Liquid side/ Gas side          | mm(inch) | Φ6.35/Φ9.52(1/4"/3/8") |
|                              | Max. refrigerant pipe length   | m        | 25                     |
|                              | Max. difference in level       | m        | 10                     |
| Connection wiring            |                                |          | 1.5(Optional)          |
| Plug type                    |                                |          | --                     |
| Thermostat type              |                                |          | Remote Control         |
| Operation temperature        | Indoor(cooling/ heating)       | ℃        | 17~32/0~30             |
|                              | Outdoor(cooling/heating)       | ℃        | -15~50/-20~30          |
| Application area             | minimum                        | m2       | 17                     |
|                              | maximum                        | m2       | 24                     |