

|                                       |                             |                     |              |       |       |              |       |       |
|---------------------------------------|-----------------------------|---------------------|--------------|-------|-------|--------------|-------|-------|
| Model                                 | Indoor                      | CS-E9MKR            |              |       |       |              |       |       |
|                                       | Outdoor                     | CU-E9MKR            |              |       |       |              |       |       |
| Performance Test Condition            |                             | AS                  |              |       |       |              |       |       |
| Power Supply                          | Phase, Hz                   | Single, 50          |              |       |       |              |       |       |
|                                       | V                           | 230                 |              |       | 240   |              |       |       |
|                                       |                             | Min.                | Mid.         | Max.  | Min.  | Mid.         | Max.  |       |
| Cooling                               | Capacity                    | kW                  | 0.90         | 2.60  | 3.00  | 0.90         | 2.60  | 3.00  |
|                                       |                             | BTU/h               | 3070         | 8870  | 10200 | 3070         | 8870  | 10200 |
|                                       |                             | kcal/h              | 770          | 2240  | 2580  | 770          | 2240  | 2580  |
|                                       | Running Current             | A                   | -            | 2.6   | -     | -            | 2.5   | -     |
|                                       | Input Power                 | W                   | 210          | 550   | 780   | 210          | 550   | 780   |
|                                       | EER                         | W/W                 | 4.29         | 4.73  | 3.85  | 4.29         | 4.73  | 3.85  |
|                                       |                             | BTU/hW              | 14.62        | 16.13 | 13.08 | 14.62        | 16.13 | 13.08 |
|                                       |                             | kcal/hW             | 3.67         | 4.07  | 3.31  | 3.67         | 4.07  | 3.31  |
|                                       | Power Factor                | %                   | -            | 92    | -     | -            | 92    | -     |
|                                       | Indoor Noise (H / L / QLo)  | dB-A                | 41 / 25 / 21 |       |       | 41 / 25 / 21 |       |       |
|                                       |                             | Power Level dB      | 57 / 41 / 37 |       |       | 57 / 41 / 37 |       |       |
|                                       | Outdoor Noise (H / L / QLo) | dB-A                | 46 / - / -   |       |       | 46 / - / -   |       |       |
|                                       |                             | Power Level dB      | 61 / - / -   |       |       | 61 / - / -   |       |       |
|                                       | Heating                     | Capacity            | kW           | 0.80  | 3.60  | 4.70         | 0.80  | 3.60  |
| BTU/h                                 |                             |                     | 2730         | 12300 | 16000 | 2730         | 12300 | 16000 |
| kcal/h                                |                             |                     | 690          | 3100  | 4040  | 690          | 3100  | 4040  |
| Running Current                       |                             | A                   | -            | 3.5   | -     | -            | 3.4   | -     |
| Input Power                           |                             | W                   | 175          | 750   | 1.23k | 175          | 750   | 1.23k |
| COP                                   |                             | W/W                 | 4.57         | 4.80  | 3.82  | 4.57         | 4.80  | 3.82  |
|                                       |                             | BTU/hW              | 15.60        | 16.40 | 13.01 | 15.60        | 16.40 | 13.01 |
|                                       |                             | kcal/hW             | 3.94         | 4.13  | 3.28  | 3.94         | 4.13  | 3.28  |
| Power Factor                          |                             | %                   | -            | 93    | -     | -            | 92    | -     |
| Indoor Noise (H / L / QLo)            |                             | dB-A                | 39 / 27 / 21 |       |       | 39 / 27 / 21 |       |       |
|                                       |                             | Power Level dB      | 55 / 43 / 37 |       |       | 55 / 43 / 37 |       |       |
| Outdoor Noise (H / L / QLo)           |                             | dB-A                | 46 / - / -   |       |       | 46 / - / -   |       |       |
|                                       |                             | Power Level dB      | 61 / - / -   |       |       | 61 / - / -   |       |       |
| H2                                    |                             | Capacity            | kW           | 3.4   |       |              |       |       |
|                                       | Input Power                 | W                   | 1.09k        |       |       |              |       |       |
|                                       | COP                         | W/W                 | 3.12         |       |       |              |       |       |
| Powerful Heat                         | Capacity                    | kW                  | 5.00         |       |       |              |       |       |
|                                       | Input Power                 | W                   | 1.36k        |       |       |              |       |       |
|                                       | COP                         | W/W                 | 3.68         |       |       |              |       |       |
| Max Current (A) / Max Input Power (W) |                             | 6.2 / 1.38k         |              |       |       |              |       |       |
| Starting Current (A)                  |                             | 3.5                 |              |       |       |              |       |       |
| Compressor                            | Type                        | Hermetic Motor      |              |       |       |              |       |       |
|                                       | Motor Type                  | Brushless (4 poles) |              |       |       |              |       |       |
|                                       | Output Power                | W                   | 700          |       |       |              |       |       |

|                  |              |            |  |             |      |
|------------------|--------------|------------|--|-------------|------|
| Indoor Fan       | Type         |            | Cross-Flow Fan                             |             |      |
|                  | Material     |            | ASG20K1                                    |             |      |
|                  | Motor Type   |            | Transistor (8-poles)                       |             |      |
|                  | Input Power  |            | W  | 47.3 - 47.3 |      |
|                  | Output Power |            | W  | 40          |      |
|                  | Speed        | QLo        | Cool                                       | rpm         | 650  |
|                  |              |            | Heat                                       | rpm         | 700  |
|                  |              | Lo         | Cool                                       | rpm         | 740  |
|                  |              |            | Heat                                       | rpm         | 830  |
|                  |              | Me         | Cool                                       | rpm         | 940  |
|                  |              |            | Heat                                       | rpm         | 1030 |
|                  |              | Hi         | Cool                                       | rpm         | 1140 |
|                  |              |            | Heat                                       | rpm         | 1230 |
| SHi              | Cool         | rpm        | 1240                                       |             |      |
|                  | Heat         | rpm        | 1330                                       |             |      |
| Outdoor Fan      | Type         |            | Propeller Fan                              |             |      |
|                  | Material     |            | PP   |             |      |
|                  | Motor Type   |            | DC Motor (8-poles)                         |             |      |
|                  | Input Power  | Cool       | W  | -           |      |
|                  |              | Heat       | W  | -           |      |
|                  | Output Power |            | W  | 40          |      |
|                  | Speed        | Hi         | Cool                                       | rpm         | 800  |
|                  |              |            | Heat                                       | rpm         | 780  |
| Moisture Removal |              | L/h (Pt/h) | 1.6 (3.4)                                  |             |      |
| Indoor Airflow   | QLo          | Cool       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 5.33 (188)  |      |
|                  |              | Heat       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 5.99 (211)  |      |
|                  | Lo           | Cool       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 6.36 (225)  |      |
|                  |              | Heat       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 7.49 (264)  |      |
|                  | Me           | Cool       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 8.63 (305)  |      |
|                  |              | Heat       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 9.79 (346)  |      |
|                  | Hi           | Cool       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 10.9 (385)  |      |
|                  |              | Heat       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 12.1 (425)  |      |
|                  | SHi          | Cool       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 12.03 (425) |      |
|                  |              | Heat       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 13.25 (468) |      |
| Outdoor Airflow  | Hi           | Cool       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 32.2 (1135) |      |
|                  |              | Heat       | m <sup>3</sup> /min (ft <sup>3</sup> /min) | 32.2 (1135) |      |

|                         |                              |                 |                                |          |
|-------------------------|------------------------------|-----------------|--------------------------------|----------|
| Refrigeration Cycle     | Control Device               |                 | Check Valve & Capillary Tube   |          |
|                         | Refrigerant Oil              | cm <sup>3</sup> | FV50S (320)                    |          |
|                         | Refrigerant Type             | g (oz)          | R410A, 1.10k (38.8)            |          |
| Dimension               | Height(I/D / O/D)            | mm (inch)       | 290 (11-7/16) / 619 (24-3/8)   |          |
|                         | Width (I/D / O/D)            | mm (inch)       | 870 (34-9/32) / 824 (32-15/32) |          |
|                         | Depth (I/D / O/D)            | mm (inch)       | 204 (8-1/16) / 299 (11-25/32)  |          |
| Weight                  | Net (I/D / O/D)              | kg ( b)         | 9 (20) / 33 (73)               |          |
| Piping                  | Pipe Diameter (Liquid / Gas) | mm (inch)       | 6.35 (1/4) / 9.52 (3/8)        |          |
|                         | Standard length              | m (ft)          | 7.5 (24.6)                     |          |
|                         | Length range (min – max)     | m (ft)          | 3 (9.8.) ~ 15 (49.2)           |          |
|                         | I/D & O/D Height different   | m (ft)          | 15.0 (49.2)                    |          |
|                         | Additional Gas Amount        | g/m (oz/ft)     | 20 (0.2)                       |          |
|                         | Length for Additional Gas    | m (ft)          | 7.5 (24.6)                     |          |
| Drain Hose              | Inner Diameter               | mm              | 16                             |          |
|                         | Length                       | mm              | 650                            |          |
| Indoor Heat Exchanger   | Fin Material                 |                 | Aluminium (Pre Coat)           |          |
|                         | Fin Type                     |                 | Slit Fin                       |          |
|                         | Row x Stage x FPI            |                 | 2 x 15 x 21                    |          |
|                         | Size (W x H x L)             | mm              | 610 x 315 x 25.4               |          |
| Outdoor Heat Exchanger  | Fin Material                 |                 | Aluminium (Blue Coated)        |          |
|                         | Fin Type                     |                 | Corrugated Fin                 |          |
|                         | Row x Stage x FPI            |                 | 2 x 28 x 17                    |          |
|                         | Size (W x H x L)             | mm              | 36.4 x 588 x 781.3:752.7       |          |
| Air Filter              | Material                     |                 | Polypropelene                  |          |
|                         | Type                         |                 | One-touch                      |          |
| Power Supply            |                              |                 | Outdoor Power Supply           |          |
| Power Supply Cord       |                              | A               | Nil                            |          |
| Thermostat              |                              |                 | Electronic Contol              |          |
| Protection Device       |                              |                 | Electronic Contol              |          |
|                         |                              |                 | DRY BULB                       | WET BULB |
| Indoor Operation Range  | Cooling                      | Maximum         | 32                             | 23       |
|                         |                              | Minimum         | 16                             | 11       |
|                         | Heating                      | Maximum         | 30                             | -        |
|                         |                              | Minimum         | 16                             | -        |
| Outdoor Operation Range | Cooling                      | Maximum         | 46                             | 26       |
|                         |                              | Minimum         | 5                              | 4        |
|                         | Heating                      | Maximum         | 24                             | 18       |
|                         |                              | Minimum         | -15                            | -16      |

- Cooling capacities are based on indoor temperature of 27°C DRY BULB (80.6°F DRY BULB), 19.0°C WET BULB (66°F WET BULB) and outdoor air temperature of 35°C DRY BULB (95°F DRY BULB), 24°C WET BULB (75.2°F WET BULB)
- Heating capacities are based on indoor temperature of 20°C Dry Bulb (68°F Dry Bulb) and outdoor air temperature of 7°C Dry Bulb (44.6°F Dry Bulb), 6°C Wet Bulb (42.8°F Wet Bulb)
- Heating low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor 2/1°C
- Heating extreme low temperature capacity, Input Power and COP measured at 230 V, indoor temperature 20°C, outdoor -7/-8°C
- Specifications are subjected to change without prior notice for further improvement.