

# Magnus Multi Cassettes



KCT-04 SR  
Included control

| Technical documentation   | Download                                |
|---------------------------|-----------------------------------------|
| User Manual               | <a href="#">PDF</a>                     |
| Controller Manual         | <a href="#">PDF</a>                     |
| Declaration of Conformity | <a href="#">PDF</a>                     |
| Dimensions                | <a href="#">PDF</a> <a href="#">DWG</a> |
| Software                  | <a href="#">Download</a>                |
| Communication diagrams    | <a href="#">PDF</a>                     |



R-410A  
REFRIGERANT



DC INVERTER  
COMPRESSOR



DC INVERTER  
OUTDOOR FAN



DC INVERTER  
INDOOR FAN



DRAINAGE  
PUMP



TWINS



INDEPENDENT  
BLADES



AIR OUTLET  
360°

| Set model                                           |                  | KCIM2-200F<br>DN11           | KCIM2-280F<br>DN11           | KCIM3-280F<br>DN11           | KCIM3-400F<br>DN11           | KCIM4-400F<br>DN11           | KCIM4-560F<br>DN11           |
|-----------------------------------------------------|------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| <b>&gt; Set</b>                                     |                  |                              |                              |                              |                              |                              |                              |
| Cooling capacity rated                              | kW               | 20                           | 28                           | 28                           | 40                           | 40                           | 56                           |
| Heating capacity rated                              | kW               | 20                           | 28                           | 28                           | 40                           | 40                           | 56                           |
| Cooling input rated                                 | W                | 5280                         | 12020                        | 12020                        | 15750                        | 15750                        | 22860                        |
| Heating input rated                                 | W                | 5950                         | 8730                         | 8730                         | 14600                        | 14600                        | 20300                        |
| EER                                                 |                  | 3.88 -                       | 2.15 -                       | 2.15 -                       | 2.24 -                       | 2.24 -                       | 2.00 -                       |
| COP                                                 |                  | 4.51 -                       | 3.68 -                       | 3.68 -                       | 3.64 -                       | 3.64 -                       | 3.71 -                       |
| SEER                                                |                  | 7.16 -                       | 5.94 -                       | 5.94 -                       | 6.19 -                       | 6.19 -                       | 5.93 -                       |
| SCOP                                                |                  | 4.04 -                       | 4.50 -                       | 4.50 -                       | 4.72 -                       | 4.72 -                       | 4.42 -                       |
| <b>&gt; Indoor unit</b>                             |                  | <b>2 x KCIM-100<br/>DN11</b> | <b>2 x KCIM-140<br/>DN11</b> | <b>3 x KCIM-100<br/>DN11</b> | <b>3 x KCIM-140<br/>DN11</b> | <b>4 x KCIM-100<br/>DN11</b> | <b>4 x KCIM-140<br/>DN11</b> |
| Power supply                                        | V/ph/Hz          | 220-240/1/50                 | 220-240/1/50                 | 220-240/1/50                 | 220-240/1/50                 | 220-240/1/50                 | 220-240/1/50                 |
| Width / Height / Depth                              | mm               | 840 / 288 / 840              | 840 / 288 / 840              | 840 / 288 / 840              | 840 / 288 / 840              | 840 / 288 / 840              | 840 / 288 / 840              |
| Net weight                                          | kg               | 24                           | 26.5                         | 26.5                         | 26.5                         | 26.5                         | 26.5                         |
| Air flow low / medium / high                        | m³/h             | 1118 / 1200 / 1445           | 1306 / 1412 / 1730           | 1306 / 1412 / 1730           | 1306 / 1412 / 1730           | 1306 / 1412 / 1730           | 1306 / 1412 / 1730           |
| Sound pressure                                      | dB(A)            | / 33 / 36/ 39                | / 34 / 39/ 43                | / 33 / 36/ 39                | / 34 / 39/ 43                | / 33 / 36/ 39                | / 34 / 39/ 43                |
| Sound power level                                   | dB(A)            | 49/51/54                     | 52/55/58                     | 49/51/54                     | 52/55/58                     | 49/51/54                     | 52/55/58                     |
| Max. pressure available                             | Pa               | 0-50                         | 0-50                         | 0-50                         | 0-50                         | 0-50                         | 0-50                         |
| Panel; Model                                        |                  | KPA-01E1                     | KPA-01E1                     | KPA-01E1                     | KPA-01E1                     | KPA-01E1                     | KPA-01E1                     |
| Panel; Width / Height / Depth                       | mm               | 950 / 950 / 53               | 950 / 950 / 53               | 950 / 950 / 53               | 950 / 950 / 53               | 950 / 950 / 53               | 950 / 950 / 53               |
| Panel; Net weight                                   | kg               | 5.6                          | 5.6                          | 5.6                          | 5.6                          | 5.6                          | 5.6                          |
| Branch model                                        |                  | KCMI-212                     | KCMI-212                     | 2 x KCMI-212                 | 2 x KCMI-212                 | 1xKCMI-212 + 2xKCMI-312      | 1xKCMI-212 + 2xKCMI-312      |
| <b>&gt; Outdoor unit</b>                            |                  | <b>KUE 200 DN11</b>          | <b>KUE 280 DN11</b>          | <b>KUE 280 DN11</b>          | <b>KUE 400 DN11</b>          | <b>KUE 400 DN11</b>          | <b>KUE 560 DN11</b>          |
| Power supply                                        | V/ph/Hz          | 380-415/3/50                 | 380-415/3/50                 | 380-415/3/50                 | 380-415/3/50                 | 380-415/3/50                 | 380-415/3/50                 |
| Width / Height / Depth                              | mm               | 1120 / 1558 / 528            | 1120 / 1558 / 528            | 1120 / 1558 / 528            | 1130 / 1760 / 580            | 1130 / 1760 / 580            | 1250 / 1760 / 580            |
| Net weight                                          | kg               | 143                          | 144                          | 144                          | 187                          | 187                          | 234                          |
| Communication protocol                              |                  | S6                           | S6                           | S6                           | S6/S8                        | S6/S8                        | S6/S8                        |
| Air flow                                            | m³/h             | 9000                         | 11000                        | 11000                        | 12500                        | 12500                        | 18500                        |
| Sound pressure                                      | dB(A)            | 58                           | 60                           | 60                           | 59                           | 59                           | 61                           |
| Sound power level                                   | dB(A)            | 78                           | 78                           | 78                           | 82                           | 82                           | 89                           |
| <b>&gt; Refrigerant</b>                             |                  |                              |                              |                              |                              |                              |                              |
| Type refrigerant                                    |                  | R-410A                       | R-410A                       | R-410A                       | R-410A                       | R-410A                       | R-410A                       |
| GWP                                                 |                  | 2088                         | 2088                         | 2088                         | 2088                         | 2088                         | 2088                         |
| Refrigerant charge                                  | kg               | 6.5                          | 6.5                          | 6.5                          | 7.4                          | 7.4                          | 8.5                          |
| t CO <sub>2</sub> eq                                | tCO <sub>2</sub> | 13.57                        | 13.57                        | 13.57                        | 15.45                        | 15.45                        | 17.75                        |
| Liquid / Gas pipe diameter                          | inch             | 3/8" / 3/4"                  | 3/8" / 7/8"                  | 3/8" / 7/8"                  | 1/2" / 1"                    | 1/2" / 1"                    | 5/8" / 1-1/8"                |
| Piping total length                                 | m                | 70                           | 70                           | 70                           | 70                           | 70                           | 70                           |
| Vertical piping max. length                         | m                | 30                           | 30                           | 30                           | 30                           | 30                           | 30                           |
| <b>&gt; Working range</b>                           |                  |                              |                              |                              |                              |                              |                              |
| Outdoor ambient temperature for heating min. / max. | °C               | -20 / 24                     | -20 / 24                     | -20 / 24                     | -30 / 30                     | -30 / 30                     | -30 / 30                     |
| Outdoor ambient temperature for cooling min. / max. | °C               | -5 / 48                      | -5 / 48                      | -5 / 48                      | -15 / 55                     | -15 / 55                     | -15 / 55                     |

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m. For longer pipe lengths, testing via Selecta Online HVACSSP is required. Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m. Refrigerant charge: This is the amount of refrigerant that has been charged in the unit. In order to apply a supplementary charge, it is necessary to use the formula from the technical manual. NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.