

## Specification\_Corona Series (DC inverter)

|                                     |                                     | Indoor Unit<br>Outdoor Unit | MSC-09HRDNI-QC2<br>MOR-09HDNI-QC2 | MSC-12HRDNI-QC2<br>MOR-12HDNI-QC2 | MSC-18HRDNI-QC2(C)<br>MOC-18HDNI-QC2 | MSC-24HRDNI-QC2W<br>MOF-24HDNI-QC2W |
|-------------------------------------|-------------------------------------|-----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|-------------------------------------|
| Capacity                            | Cooling Capacity                    | Btu/h                       | 9000(2050~11200)                  | 12000(4000~13800)                 | 17000(5100~22000)                    | 23000(12000~25000)                  |
|                                     |                                     | kW                          | 2.6(0.6-3.3)                      | 3.5(1.2-4.0)                      | 5.0(1.5-6.4)                         | 6.7(3.5~7.3)                        |
|                                     | Heating Capacity                    | Btu/h                       | 10000(3200~13200)                 | 13000(4100~14500)                 | 17500(5300~23000)                    | 25000(11000~27000)                  |
| kW                                  |                                     | 2.9(0.9-3.8)                | 3.8(1.2-4.2)                      | 5.1(1.6-6.7)                      | 7.3(3.2~7.9)                         |                                     |
| Electrical Parts                    | Power Supply                        | V~Hz/Ph                     | 220-240, 50, 1                    | 220-240, 50, 1                    | 220-240, 50, 1                       | 220-240V~50Hz, 1 Ph                 |
|                                     |                                     | Power Input (W)             | Cooling                           | 820(230~1070)                     | 1090(350~1170)                       | 1550(380~2300)                      |
|                                     | Heating                             | 810(230~960)                | 1050(350~1100)                    | 1420(350~2100)                    | 2030(800~2700)                       |                                     |
|                                     | Operating Current (A)               | Cooling                     | 3.6(1.0~4.7)                      | 4.8(1.5~5.0)                      | 6.9(1.8~10.2)                        | 9.4(3.6~11.2)                       |
| Heating                             |                                     | 3.5(1.0~4.2)                | 4.6(1.5~4.8)                      | 6.4(1.6~9.5)                      | 9.1(3.5~12.0)                        |                                     |
| Performance                         | EER                                 | W/W                         | 3.22                              | 3.23                              | 3.21                                 | 3.21                                |
|                                     | COP                                 | W/W                         | 3.62                              | 3.63                              | 3.61                                 | 3.61                                |
|                                     | Energy Rate                         | A/A                         | A/A                               | A/A                               | A/A                                  | A/A                                 |
|                                     | Air Flow Volume (m <sup>3</sup> /h) | Indoor                      | 550                               | 620                               | 800                                  | 1150                                |
|                                     | Noise Level (dB(A))                 | Indoor(Hi/Med/Lo)           | 39/33/28                          | 40/35/29                          | 45/40/37                             | 48/45/41                            |
|                                     |                                     | Outdoor                     | 52                                | 52                                | 56                                   | 58                                  |
| Net Dimension & Weight              | Indoor(mm)                          | WxHxD                       | 710x250x195                       | 790x265x195                       | 920x292x225                          | 1080x330x225                        |
|                                     | Outdoor(mm)                         | WxHxD                       | 660x540x255                       | 660x540x255                       | 760x590x285                          | 845x695x335                         |
|                                     | Net Weight (kg)                     | Indoor/Outdoor              | 7.5/27.5                          | 9/29                              | 11.5/40.5                            | 15.5/49.5                           |
| Packing Dimension                   | Indoor(mm)                          | WxHxD                       | 800x340x270                       | 875x375x285                       | 1015x368x295                         | 1165x445x320                        |
|                                     | Outdoor(mm)                         | WxHxD                       | 770x585x325                       | 770x585x325                       | 887x645x355                          | 965x755x395                         |
|                                     | Gross Weight (kg)                   | Indoor/Outdoor              | 9.5/29.5                          | 11/31                             | 14.5/43                              | 20.5/52.5                           |
| Piping Size                         | Liquid(mm(inch))                    |                             | Ø6.35 (1/4")                      | Ø6.35 (1/4")                      | Ø6.35 (1/4")                         | Ø9.53 (3/8")                        |
|                                     | Gas(mm(inch))                       |                             | Ø9.53 (3/8")                      | Ø9.53 (3/8")                      | Ø12.7 (1/2")                         | Ø16.0 (5/8")                        |
| Applicable Area & Stuffing Quantity | Applicable Area (m <sup>2</sup> )   |                             | 25-35                             | 30-45                             | 40-64                                | 50-88                               |
|                                     | Stuffing Quantity (Set)             | 20'/40'/40'HQ               | 140/280/310                       | 120/250/290                       | 90/181/216                           | 65/134/155                          |

## Specification\_Corona Series (ON/OFF)

|                                     |                                     | Indoor Unit<br>Outdoor Unit | MSC-09HRDNI-QC3<br>MOR-09HRDNI-QC3 | MSC-09HRDNI-QC3<br>MOR-09HRDNI-QC3 | MSC-12HRDNI-QC3<br>MOR-12HRDNI-QC3 | MSC-18HRDNI-QC3<br>MOR-18HRDNI-QC3 | MSC-24HRDNI-QB3W<br>MOP-24HRDNI-QB3W | MSC-24HRDNI-QB3W<br>MOP-24HRDNI-QB3W |
|-------------------------------------|-------------------------------------|-----------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|--------------------------------------|--------------------------------------|
| Capacity                            | Cooling Capacity                    | Btu/h                       | 7000                               | 8500                               | 11000                              | 18000                              | 21000                                | 24000                                |
|                                     |                                     | kW                          | 2.1                                | 2.5                                | 3.2                                | 5.3                                | 6.2                                  | 7.0                                  |
|                                     | Heating Capacity                    | Btu/h                       | 7000                               | 9500                               | 11000                              | 19000                              | 23000                                | 25000                                |
|                                     |                                     | kW                          | 2.1                                | 2.7                                | 3.2                                | 5.6                                | 6.7                                  | 7.3                                  |
| Electrical Parts                    | Power Supply                        | V~Hz/Ph                     | 1, 220-240V~, 50Hz                 | 1, 220-240V~, 50Hz                 | 1, 220-240V~, 50Hz                 | 1, 220-240V~, 50Hz                 | 220-240V~, 50Hz/2                    | 1, 220-240V~, 50Hz                   |
|                                     |                                     | Power Input (W)             | Cooling                            | 640                                | 775                                | 1000                               | 1640                                 | 2200                                 |
|                                     | Heating                             | 568                         | 770                                | 890                                | 1540                               | 2100                               | 2280                                 |                                      |
|                                     | Operating Current (A)               | Cooling                     | 2.75                               | 3.5                                | 4.4                                | 7.4                                | 9.5                                  | 11.5                                 |
| Heating                             |                                     | 2.5                         | 3.4                                | 4.0                                | 6.9                                | 10.2                               | 10.4                                 |                                      |
| Performance                         | EER                                 | W/W                         | 3.21                               | 3.21                               | 3.22                               | 3.21                               | 2.81                                 | 2.81                                 |
|                                     | COP                                 | W/W                         | 3.61                               | 3.61                               | 3.62                               | 3.61                               | 3.21                                 | 3.21                                 |
|                                     | Energy Rate                         | A/A                         | A/A                                | A/A                                | A/A                                | A/A                                | C/C                                  | C/C                                  |
|                                     | Air Flow Volume (m <sup>3</sup> /h) | Indoor                      | 450                                | 500                                | 580                                | 850                                | 1020                                 | 1080                                 |
|                                     | Noise Level (dB(A))                 | Indoor(Hi/Med/Lo)           | 37/32/29                           | 39/34/29                           | 40/35/31                           | 44/40/37                           | 47/44/40                             | 48/45/42                             |
|                                     |                                     | Outdoor                     | 52                                 | 53                                 | 54                                 | 58                                 | 59                                   | 60                                   |
| Net Dimension & Weight              | Indoor(mm)                          | WxHxD                       | 710x250x195                        | 710x250x195                        | 790x265x195                        | 920x292x225                        | 1080x330x225                         | 1080x330x225                         |
|                                     | Outdoor(mm)                         | WxHxD                       | 685x420x250                        | 700x535x235                        | 780x540x250                        | 845x695x335                        | 845x695x335                          | 845x695x335                          |
|                                     | Net Weight (kg)                     | Indoor/Outdoor              | 8/25.5                             | 8/24.5                             | 9/26                               | 12/44                              | 17/58                                | 17/53                                |
| Packing Dimension                   | Indoor(mm)                          | WxHxD                       | 800x340x270                        | 800x340x270                        | 875x375x285                        | 1015x368x295                       | 1165x445x320                         | 1165x445x320                         |
|                                     | Outdoor(mm)                         | WxHxD                       | 795x495x345                        | 815x580x325                        | 910x575x335                        | 965x755x395                        | 965x755x395                          | 965x755x395                          |
|                                     | Gross Weight (kg)                   | Indoor/Outdoor              | 9.5/29.5                           | 9.5/26.5                           | 11/28                              | 15/47.5                            | 21/62                                | 22/57                                |
| Piping Size                         | Liquid(mm(inch))                    |                             | Ø6.35 (1/4")                       | Ø6.35 (1/4")                       | Ø6.35 (1/4")                       | Ø6.35 (1/4")                       | Ø9.53 (3/8")                         | Ø9.53 (3/8")                         |
|                                     | Gas(mm(inch))                       |                             | Ø9.53 (3/8")                       | Ø9.53 (3/8")                       | Ø12.7 (1/2")                       | Ø12.7 (1/2")                       | Ø16.0 (5/8")                         | Ø16.0 (5/8")                         |
| Applicable Area & Stuffing Quantity | Applicable Area (m <sup>2</sup> )   |                             | 14-23                              | 23-32                              | 27-42                              | 35-60                              | 40-70                                | 45-82                                |
|                                     | Stuffing Quantity (Set)             | 20'/40'/40'HQ               | 140/280/341                        | 129/269/300                        | 120/252/285                        | 70 / 148 / 170                     | 60/132/142                           | 60/132/142                           |