

## Technical Data

### NØRDIS Optimus Pro Mono for commercial premises



| Outdoor Units                        |                           |         | HOP22WMONO3           | HOP26WMONO3 | HOP30WMONO3 |
|--------------------------------------|---------------------------|---------|-----------------------|-------------|-------------|
| Built-in Electric Heater             |                           | kW      | -                     |             |             |
| Power Supply                         |                           | V/Ph/Hz | 380-415/3/50          |             |             |
| Rated Power                          |                           | W       | 12500                 | 13800       | 14500       |
| Rated Current                        |                           | A       | 24,5                  | 27          | 28,5        |
| Power Cable                          |                           | mm2     | 5x6,0                 |             |             |
| Communication Cable, AWG18 Shielded  |                           | mm2     | 5x0,75                |             |             |
| Automatic Switch                     |                           | A       | C25                   | C32         |             |
| Heating A7W35 <sup>1</sup>           | Capacity                  | kW      | 22                    | 26          | 30,1        |
|                                      | Rated Input               | kW      | 5                     | 6,37        | 7,7         |
|                                      | COP                       |         | 4,4                   | 4,08        | 3,91        |
| Heating A7W45 <sup>2</sup>           | Capacity                  | kW      | 22                    | 26          | 30          |
|                                      | Rated Input               | kW      | 6,47                  | 8,39        | 10,35       |
|                                      | COP                       |         | 3,4                   | 3,1         | 2,9         |
| Heating A7W55 <sup>3</sup>           | Capacity                  | kW      | 22                    | 26          | 30          |
|                                      | Rated Input               | kW      | 8,3                   | 10,61       | 13,04       |
|                                      | COP                       |         | 2,65                  | 2,45        | 2,3         |
| Heating A-7W35 <sup>9</sup>          | Capacity                  | kW      | 21                    | 22          | 23          |
|                                      | Rated Input               | kW      | 8,08                  | 8,8         | 9,39        |
|                                      | COP                       |         | 2,6                   | 2,5         | 2,45        |
| Cooling A35W18 <sup>4</sup>          | Capacity                  | kW      | 23                    | 27          | 31          |
|                                      | Rated Input               | kW      | 5                     | 6,3         | 7,75        |
|                                      | EER                       |         | 4,6                   | 4,3         | 4           |
| Cooling A35W7 <sup>5</sup>           | Capacity                  | kW      | 21                    | 26          | 29,5        |
|                                      | Rated Input               | kW      | 7,12                  | 9,63        | 11,57       |
|                                      | EER                       |         | 2,95                  | 2,7         | 2,55        |
| Energy Efficiency Class <sup>6</sup> | Water Outlet at 35°C      | Class   | A+++                  |             |             |
|                                      | Water Outlet at 55°C      | Class   | A++                   | A+          |             |
| SCOP <sup>6</sup>                    | 35°C                      |         | 4,53                  | 4,5         | 4,2         |
|                                      | 55°C                      |         | 3,23                  | 3,15        | 3,15        |
| SEER <sup>6</sup>                    | 7°C                       |         | 4,7                   | 4,66        | 4,49        |
|                                      | 18°C                      |         | 5,67                  | 5,88        | 5,71        |
| Refrigerant                          | Type (GWP) / Quantity, kg |         | R32 (675) / 5,0       |             |             |
| Compressor                           |                           |         | DC Two Rotor Inverter |             |             |
| Heat Exchanger                       |                           |         | Plate, Soldered       |             |             |
| Fan                                  |                           |         | DC, Electric Motor    |             |             |
| Number of Fans                       |                           |         | 2                     |             |             |
| Circulation Pump                     | Type                      |         | DC, Electronic        |             |             |
|                                      | Max. Lifting Height       | m       | 12                    |             |             |
|                                      | Capacity                  | W       | 10 ~ 305              |             |             |
| Nominal Water Flow                   |                           | m3/h    | 3,78                  | 4,47        | 5,18        |
| Operating Limits for Water Flow      |                           | m3/h    | -                     | -           | -           |
| Water Piping Connection              |                           |         | R1 1/4"               |             |             |
| Sound Power Level 7                  |                           | dB (A)  | 73                    | 75          | 77          |
| Sound Pressure Level (1m)            |                           | dB (A)  | 60                    | 61          | 63          |
| Dimensions (W x H x D)               |                           | mm      | 1129x1558x528         |             |             |
| Packing Dimensions (W x H x D)       |                           | mm      | 1220x1735x565         |             |             |
| Net / Gross Weight                   |                           | kg      | 177 / 206             |             |             |
| AmbientTemperatureRange              | Heating                   | °C      | -25 ~ +35             |             |             |
|                                      | Cooling                   | °C      | -5 ~ +43              |             |             |
|                                      | DHW                       | °C      | -25 ~ +43             |             |             |
| LWT Setting Range                    | Heating                   | °C      | +25 ~ +65             |             |             |
|                                      | Cooling                   | °C      | +5 ~ +25              |             |             |
|                                      | DHW10                     | °C      | +30 ~ +60             |             |             |

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<sup>1</sup> Air temperature +7°C, 85% RH, water temperature +30/35°C.

<sup>2</sup> Air temperature +7°C, 85% RH, water temperature +40/45°C.

<sup>3</sup> Air temperature +7°C, 85% RH, water temperature +47/55°C.

<sup>4</sup> Air temperature +35°C, water temperature +23/18°C.

<sup>5</sup> Air temperature +35°C, water temperature +12/7°C.

<sup>6</sup> Defined under moderate climate zone conditions.

<sup>7</sup> Tested according to the EN12102-1 standard.

<sup>8</sup> If a three-phase 9kW electric heater is installed, 3kW and 6kW power levels can be selected accordingly by switching DIP micro-switches on the board.

<sup>9</sup> Air temperature -7°C, 85% RH, water temperature +30/35°C.

<sup>10</sup> In the MONO unit, the maximum 60°C hot water temperature is achieved only with an additional electric heater.

<sup>11</sup> The nominal power is specified including the built-in electric heater.

Specifications may be changed without prior notice. For the actual device specifications, refer to the labels on the device.