



**TEMPLARI**  
THE HEAT PUMP



INDUSTRIAL

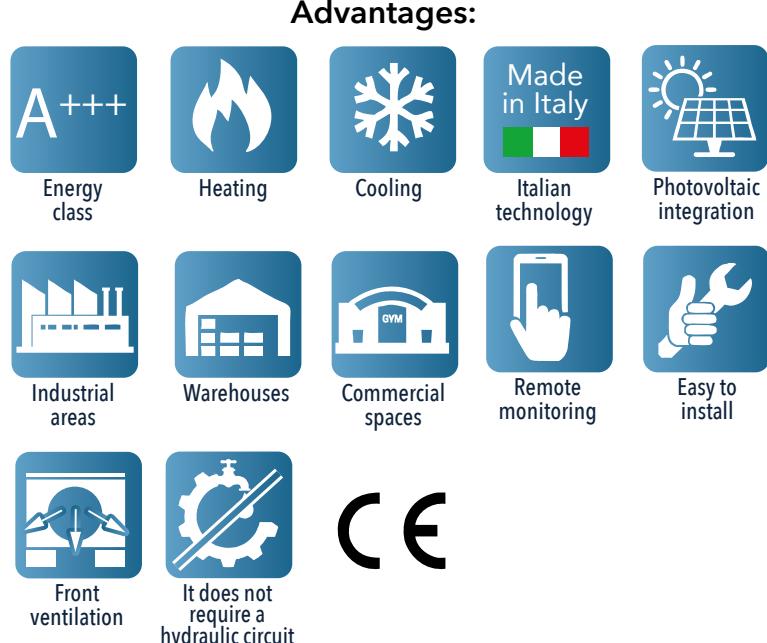
# KITA AIR

High efficiency air-to-air heat pump for industrial spaces

## Air/air heat pump for air conditioning of industrial spaces



K-TOUCH  
remote control  
panel



### TECHNICAL DATA

| MODEL                 | Heating       |      |              |      |              |      |               |      |                |      | Cooling        |      |               |      |
|-----------------------|---------------|------|--------------|------|--------------|------|---------------|------|----------------|------|----------------|------|---------------|------|
|                       | A 12°C/A 20°C |      | A 7°C/A 20°C |      | A 2°C/A 20°C |      | A -7°C/A 20°C |      | A -15°C/A 20°C |      | A -20°C/A 20°C |      | A 35°C/A 27°C |      |
|                       | Qh            | COP  | Qh           | COP  | Qh           | COP  | Qh            | COP  | Qh             | COP  | Qh             | COP  | Qc            | EER  |
|                       | kW            |      | kW           |      | kW           |      | kW            |      | kW             |      | kW             |      | kW            |      |
| KITA AIR 4.3.1.4      | 39,00         | 4,70 | 39,00        | 4,45 | 35,00        | 3,75 | 32,00         | 3,20 | 32,00          | 2,70 | 27,00          | 2,50 | 35,00         | 4,02 |
| KITA AIR Cold 4.3.1.5 | 40,00         | 4,63 | 40,00        | 4,36 | 35,00        | 4,00 | 35,00         | 3,10 | 35,00          | 2,60 | 30,00          | 2,35 | 37,00         | 4,20 |

Qh = Thermal capacity   COP = Coefficient of performance   Qc = Cooling capacity   EER = Cooling efficiency

Air/air heat pump for air conditioning of industrial spaces

## OUTDOOR UNIT

|  |  |
|--|--|
| <b>Power supply:</b>                       | V/Ph/Hz 400/3/50   |
| <b>Max power consumption:</b>              | 14,2 Kw (KITA AIR)<br>16 kw (KITA AIR COLD)  |
| <b>Max Current:</b>                        | 30 A (KITA AIR) - 38 A (KITA AIR COLD)   |
| <b>Operating temperature:</b>              | Winter heating -25°C / 28°C<br>Summer conditioning 5°C / 45°C  |
| <b>Compressor:</b>                         | Inverter steam injection scroll  |
| <b>External fan:</b>                       | Inverter typology: BLDC<br>Nominal diameter: 910 mm<br>Maximum power consumption: 0,700 kW<br>Max current: 1,1 A (3Ph)<br>Maximum speed: 640 rps<br>Maximum air flow: 17.203 m <sup>3</sup> /h |
| <b>Outdoor unit noise:</b>                 | External sound pressure (distance 5 mt):<br>38 dB(A)*  |
| <b>Outdoor unit dimensions (HxLxP):</b>    | 1257 x 1791 x 641 mm<br>(KITA AIR - KITA AIR COLD)   |
| <b>Refrigerant:</b>                        | R32 - Q.ty 7,4   |
| <b>Coolant connections Ø:</b>              | GAS: 22 mm (1 1/4") - Liquid: 16 mm (5/8")<br>Ømm  |
| <b>Number of connectable indoor units:</b> | 1  |
| <b>External heat exchangers:</b>           | No. of ranks: 3<br>Lug spacing: 2.5 mm<br>Hydrophilic coating  |
| <b>Weight:</b>                             | 285 Kg   |



\*The declared dB(A) values are obtained with the flow grid and silence kit installed



## INDOOR UNIT SPLIT

|   |                                      |
|---|--------------------------------------|
| <b>Type:</b>                                  | Inverter BLDC                        |
| <b>Nominal diameter:</b>                      | 800 mm                               |
| <b>Maximum power consumption:</b>             | 0,835kW                              |
| <b>Max current:</b>                           | 1,4 A                                |
| <b>Maximum speed:</b>                         | 735 rpm                              |
| <b>Minimum air flow:</b>                      | 5800 m <sup>3</sup> /h               |
| <b>Max air flow:</b>                          | 14000 m <sup>3</sup> /h              |
| <b>Throw distance:</b>                        | 25 m                                 |
| <b>Indoor unit noise (distance 3 meters):</b> | External sound pressure 42dB(A)      |
| <b>Indoor unit dimensions (HxLxP):</b>        | 1090 x 1253 x 765 mm                 |
| <b>External heat exchangers:</b>              | No. of ranks 3<br>Lug spacing 1,7 mm |
| <b>Weight:</b>                                | 100 Kg                               |



## DUCTED INDOOR UNIT

|   |                                      |
|---|--------------------------------------|
| <b>Type:</b>                                | Inverter BLDC                        |
| <b>Nominal diameter:</b>                    | 630 mm                               |
| <b>Maximum power consumption:</b>           | 1,4 kW                               |
| <b>Max current:</b>                         | 2 A                                  |
| <b>Maximum speed:</b>                       | 1000 rpm                             |
| <b>Minimum airflow with filter:</b>         | 9.338m <sup>3</sup>                  |
| <b>Maximum airflow with filter:</b>         | 11.178m <sup>3</sup>                 |
| <b>Max air flow (only machine):</b>         | 14000m <sup>3</sup> /h               |
| <b>Residual pressure:</b>                   | 380 Pa                               |
| <b>Nominal air flow (machine+air duct):</b> | 11000 m <sup>3</sup> /h              |
| <b>Residual pressure:</b>                   | 230 Pa                               |
| <b>Minimum air flow with filter:</b>        | 9300 m <sup>3</sup> /h               |
| <b>Residual pressure:</b>                   | 180 Pa                               |
| <b>Indoor unit dimensions (HxWxD):</b>      | 978 x 1598 x 1011 mm                 |
| <b>External heat exchangers:</b>            | No. of ranks 4<br>Lug spacing 1.5 mm |
| <b>Weight:</b>                              | 208 Kg                               |

