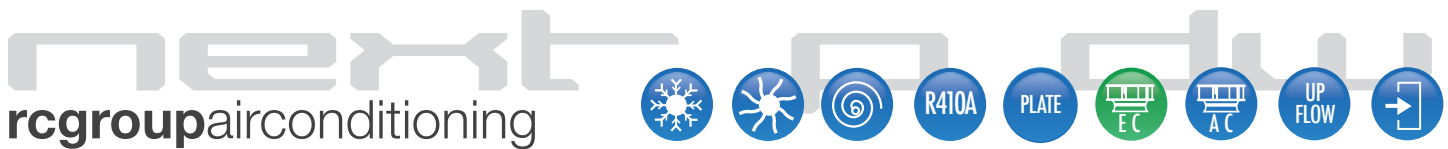


**NEXT P:** Heat pump air conditioners with upflow air delivery  
with built-in water/gas exhaustion heat exchanger  
Cooling Capacity: 7,5 ÷ 117,0 kW  
Heating Capacity: 7,3 ÷ 104,0 kW



## MAIN FEATURES

- Direct expansion heat pump air conditioner
- 44 models available, for a wide selection opportunity..
- Average step of 3kW.
- EER up to 7,03.
- COP up to 5,28.
- Scroll compressors.
- Single and double refrigerant circuit.
- R410A Refrigerant charge.
- Built-in water-gas plate type exhaustion heat exchanger.
- EC plug-fans (size H0, H1, H2, H3).
- AC plug-fans (size H4, H5, H6, H7).
- Suitable for indoor installation.
- Split-system.

## MAIN BENEFITS

- Units with single and double refrigerant circuits.
- Availability of steam humidifier.
- Availability of hot water heating coil
- Complete set of optional accessories: filters, plenum, panels, stand.
- EC plug-fans for a higher energy efficiency.
- Easily of maintenance.

## INDOOR INSTALLATION

The machines are designed for indoor installation.

## AXIAL FANS WITH BRUSHLESS TYPE EC MOTOR

These electric motors are ensuring high performances, minimum energy consumption and total absence of electromagnetic noise.

## WORKING LIMITS

Room air temperature:

|      |                                    |
|------|------------------------------------|
| 14°C | minimum temperature with wet bulb. |
| 24°C | maximum temperature with wet bulb. |
| 35°C | maximum temperature with dry bulb. |

Room air humidity:

|       |                            |
|-------|----------------------------|
| 20%RH | minimum relative humidity. |
| 75%RH | maximum relative humidity. |

## MAIN COMPONENTS

### FRAMEWORK

- Base in aluminium extrusion, painted with epoxy powders.
- Inner frame and upper frame in aluminium profile, painted with epoxy powders. The inner frame is provided with seals to ensure air tight with the panels.
- Galvanized steel sheet panels externally coated with PVC film and internally insulated with noise absorption material.
- The panels are fixed to the frame with non visible mounting system.
- Electric board in separate technical compartment on the machine front (Size H0, H1, H2, H3).
- Separate technical compartment on machine front for electric board, refrigerant and hydraulic connections and control and regulation devices (size H4, H5, H6, H7)
- Colour: RAL 9005 for base and frame
- Similar to RAL7015 for panels, with hammered finish
- Air intake from the front through honeycomb type grille and air delivery from the top.
- Washable air pre-filters with G2 efficiency, with cells in synthetic fibre (size H0 excluded).

### COMPRESSORS

- Orbiting spiral (SCROLL) hermetic compressors with spiral profile optimized for R410A refrigerant.
- ON / OFF capacity control (0 / 100% each compressor).
- 2-pole 3-phase electric motor with direct on line starting.
- Crankcase heater.
- Electric motor thermal protection via internal winding temperature sensors.
- Terminal box with IP54 enclosure class.
- Rubber supports.

### FILTER SECTION

- Size H0
  - Washable air filters with G3 efficiency, with cells in synthetic fibre and metallic frame (EN 779-2002).
- Size H1, H2, H3, H4, H5, H6, H7
  - Washable air filters with G4 efficiency, with cells in synthetic fibre and metallic frame (EN 779-2002).

### GAS/AIR HEAT EXCHANGER SECTION

- Heat exchanger coil with internally corrugated copper tubes and high efficiency aluminium fins, specifically developed to provide high heat transfer and lower pressure drops.
  - With single refrigerant circuit for S version machines.
  - With double refrigerant circuit for DC version machines.
- Frame in galvanized steel.
- Condensate tray in peraluman with PVC flexible discharge pipe.

### FANS SECTION

- Centrifugal fans with backward curved blades, single suction and without scroll housings (Plug-fan), directly coupled to external rotor electric motor.
  - Size H0, H1, H2, H3:
    - Brushless type synchronous EC motor with integrated electronic commutated system and continuous variation of the rotation speed. The motor rotation control is obtained with the EC system (Electronic Commutation) that manage the motor according to the 0÷10V proportional signal coming from the microprocessor control.
  - Size H4, H5, H6, H7:
    - Fans with AC type electric motor fed through an autotransformer that allows the manual selection of 7 rotation speed.
- Temperature sensors on air intake.

### REFRIGERANT CIRCUIT

Components for each refrigerant circuit:

- Refrigerant circuit reverse valve.
- Thermostatic expansion valve.
- Sight glass.
- Filter dryer on liquid line.
- Pressure transducers with indication, control and protection functions, on low and high refrigerant pressure.
- High pressure safety switch with manual reset.
- Liquid receiver with accessories.
- Refrigerant circuit with copper tubing with anticondensate insulation of the suction line.
- Plastic capillary hoses for pressure sensors connection.
- R410A refrigerant charge.
- Water/gas exhaustion heat exchanger, copper brazed plate type with cover plates, plates and connections in AISI 316 stainless steel.
- 2-way motorized valve with proportional control (0÷10V) for condensing/evaporating control and emergency manual control.
- 0÷10V proportional signal to manage the condensing/evaporating control system of the 2-way motorized valve.

### ELECTRICAL PANEL

In accordance with EN60204-1 norms complete with:

- Main switch with door lock safety.
- Magnetothermic switch for each compressor.
- Magnetothermic switches for fans.
- Contactors for each load.
- The supply fans equipped with EC electric motor are not supplied with contactors.
- Transformer for auxiliary circuit and microprocessor supply.
- Panel with machine controls.
- Seasonal Summer/Winter electric switch placed on the MP.COM terminal.
- Power supply:
  - 230/1/50 for model 006 P1 S H0.
  - 400/3/50 for the other models.

### CONTROL SYSTEM

- MP.COM microprocessor system with graphic display for control and monitor of operating and alarms status. The system includes:
  - Voltage free contact for remote general alarm.
  - Main components hour-meter.
  - Nonvolatile "Flash" memory for data storage.
  - Menu with protection password.
  - LAN connection.

## OPTIONAL ACCESSORIES

| NEXT P DW                                           | 006 P1 | 008 P1 | 010 P1 | 007 P1 | 009 P1 | 011 P1 | 013 P1 | 014 P1 | 015 P1 | 017 P1 | 019 P1 | 021 P1 | 023 P1 | 025 P1 | 029 P1 |
|-----------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SIZE                                                | H0     | H0     | H0     | H1     | H1     | H1     | H1     | H2     | H2     | H2     | H3     | H3     | H3     | H4     | H4     |
| VERSION                                             | S      | S      | S      | S      | S      | S      | S      | S      | S      | S      | S      | S      | S      | S      | S      |
| 101 - EC fan                                        | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | •      | •      |
| 220 - Electronic expansion valve                    | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 260 - Liquid solenoid valve                         | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 321 - Steam humidifier                              | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 310 - Electric heater                               | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 505 - ON-OFF Hot gas reh.system                     | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 509 - Hot water heating coil + 3 way valve          | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 606 - Compr. power factor capacitor - 0,9           | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 865 - Phase control relay                           | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 610 - Noise deadening cup on compressor             | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 211 - Capacity control                              | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 215 - Disposal F5 efficiency air filter             | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 810 - Floor stand Hmax=350 mm                       | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 811 - Floor stand Hmax=450 mm                       | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 812 - Floor stand Hmax=510 mm                       | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 848 - Condensate discharge system (kit)             | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | -      | -      |
| 849 - Condensate discharge system                   | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | •      | •      |
| 808 - Sandwich panels                               | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 807 - Blind frontal panel                           | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 805 - Bottom panel                                  | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 909 - Clogged filters alarm                         | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 910 - Air flow loss alarm                           | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | •      | •      |
| 911 - Water presence alarm                          | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 906 - Outlet air temperature indication             | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 904 - Temperature/Humidity sensor                   | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 843 - Motorized damper with frame                   | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 830 - Air discharge plenum with grilles             | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 831 - Plenum with frontal grille and sound absorber | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 761 - Air supply plenum with 5 closed sides         | •      | •      | •      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      |
| 832 - Air supply plenum with F6 filters             | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 833 - Air supply plenum with F7 filters             | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 835 - Air supply plenum with F9 filters             | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 836 - Air supply plenum with sound absorber         | -      | -      | -      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 907 - Current indication                            | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 908 - Voltage indication                            | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 912 - Air flow loss alarm EC Fan                    | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | -      | •      | •      |
| 913 - Additional water sensor (kit)                 | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 919 - Clock card                                    | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 922 - Driver card                                   | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 923 - RC-Com MBUS/JBUS Serial board                 | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 926 - LON Serial board                              | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 931 - BACnet Ethernet - SNMP - TCP/IP Serial board  | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 932 - BACnet MS/TP Serial board                     | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 934 - MP.COM expansion card                         | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 942 - Serial card for GSM Modem                     | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |
| 943 - Data Logger                                   | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      | •      |

• available accessory; - not available accessory

# OPTIONAL ACCESSORIES

| NEXT P DW<br>SIZE<br>VERSION                        | 033 P1<br>H4<br>S | 038 P1<br>H5<br>S | 040 P1<br>H5<br>S | 045 P1<br>H5<br>S | 049 P1<br>H5<br>S | 026 P2<br>H5<br>D | 028 P2<br>H5<br>D | 032 P2<br>H5<br>S | 032 P2<br>H5<br>D | 036 P2<br>H5<br>S | 036 P2<br>H5<br>D | 042 P2<br>H6<br>S | 042 P2<br>H6<br>D | 048 P2<br>H6<br>S | 048 P2<br>H6<br>D |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 101 - EC fan                                        | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 220 - Electronic expansion valve                    | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 260 - Liquid solenoid valve                         | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 321 - Steam humidifier                              | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 310 - Electric heater                               | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 505 - ON-OFF Hot gas reh.system                     | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 509 - Hot water heating coil + 3 way valve          | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 606 - Compr. power factor capacitor - 0,9           | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 865 - Phase control relay                           | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 610 - Noise deadening cup on compressor             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 211 - Capacity control                              | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | -                 | •                 | -                 | •                 | -                 | •                 | -                 |
| 215 - Disposal F5 efficiency air filter             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 810 - Floor stand Hmax=350 mm                       | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 811 - Floor stand Hmax=450 mm                       | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 812 - Floor stand Hmax=510 mm                       | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 848 - Condensate discharge system (kit)             | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| 849 - Condensate discharge system                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 808 - Sandwich panels                               | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 807 - Blind frontal panel                           | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 805 - Bottom panel                                  | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 909 - Clogged filters alarm                         | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 910 - Air flow loss alarm                           | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 911 - Water presence alarm                          | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 906 - Outlet air temperature indication             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 904 - Temperature/Humidity sensor                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 843 - Motorized damper with frame                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 830 - Air discharge plenum with grilles             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 831 - Plenum with frontal grille and sound absorber | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 761 - Air supply plenum with 5 closed sides         | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| 832 - Air supply plenum with F6 filters             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 833 - Air supply plenum with F7 filters             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 835 - Air supply plenum with F9 filters             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 836 - Air supply plenum with sound absorber         | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 907 - Current indication                            | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 908 - Voltage indication                            | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 912 - Air flow loss alarm EC Fan                    | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 913 - Additional water sensor (kit)                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 919 - Clock card                                    | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 922 - Driver card                                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 923 - RC-Com MBUS/JBUS Serial board                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 926 - LON Serial board                              | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 931 - BACnet Ethernet - SNMP - TCP/IP Serial board  | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 932 - BACnet MS/TP Serial board                     | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 934 - MP.COM expansion card                         | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 942 - Serial card for GSM Modem                     | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 943 - Data Logger                                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |

• available accessory; - not available accessory

## OPTIONAL ACCESSORIES

| NEXT P DW<br>SIZE<br>VERSION                        | 052 P2<br>H6<br>S | 052 P2<br>H6<br>D | 060 P2<br>H6<br>S | 060 P2<br>H6<br>D | 064 P2<br>H6<br>S | 064 P2<br>H6<br>D | 072 P2<br>H7<br>S | 072 P2<br>H7<br>D | 082 P2<br>H7<br>S | 082 P2<br>H7<br>D | 092 P2<br>H7<br>S | 092 P2<br>H7<br>D | 100 P2<br>H7<br>S | 100 P2<br>H7<br>D | 029 P1<br>H4<br>S |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| 101 - EC fan                                        | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 220 - Electronic expansion valve                    | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 260 - Liquid solenoid valve                         | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 321 - Steam humidifier                              | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 310 - Electric heater                               | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 505 - ON-OFF Hot gas reh.system                     | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 509 - Hot water heating coil + 3 way valve          | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 606 - Compr. power factor capacitor - 0,9           | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 865 - Phase control relay                           | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 610 - Noise deadening cup on compressor             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 211 - Capacity control                              | •                 | -                 | •                 | -                 | •                 | -                 | •                 | -                 | •                 | -                 | •                 | -                 | •                 | -                 | •                 |
| 215 - Disposal F5 efficiency air filter             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 810 - Floor stand Hmax=350 mm                       | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 811 - Floor stand Hmax=450 mm                       | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 812 - Floor stand Hmax=510 mm                       | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 848 - Condensate discharge system (kit)             | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| 849 - Condensate discharge system                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 808 - Sandwich panels                               | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 807 - Blind frontal panel                           | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 805 - Bottom panel                                  | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 909 - Clogged filters alarm                         | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 910 - Air flow loss alarm                           | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 911 - Water presence alarm                          | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 906 - Outlet air temperature indication             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 904 - Temperature/Humidity sensor                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 843 - Motorized damper with frame                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 830 - Air discharge plenum with grilles             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 831 - Plenum with frontal grille and sound absorber | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 761 - Air supply plenum with 5 closed sides         | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 | -                 |
| 832 - Air supply plenum with F6 filters             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 833 - Air supply plenum with F7 filters             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 835 - Air supply plenum with F9 filters             | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 836 - Air supply plenum with sound absorber         | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 907 - Current indication                            | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 908 - Voltage indication                            | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 912 - Air flow loss alarm EC Fan                    | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 913 - Additional water sensor (kit)                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 919 - Clock card                                    | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 922 - Driver card                                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 923 - RC-Com MBUS/JBUS Serial board                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 926 - LON Serial board                              | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 931 - BACnet Ethernet - SNMP - TCP/IP Serial board  | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 932 - BACnet MS/TP Serial board                     | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 934 - MP.COM expansion card                         | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 942 - Serial card for GSM Modem                     | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |
| 943 - Data Logger                                   | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 | •                 |

• available accessory; - not available accessory

TECHNICAL DATA NEXT P DW

| NEXT P DW<br>SIZE<br>VERSION |                                                       | 006 P1<br>H0<br>S | 008 P1<br>H0<br>S | 010 P1<br>H0<br>S | 007 P1<br>H1<br>S | 009 P1<br>H1<br>S | 011 P1<br>H1<br>S | 013 P1<br>H1<br>S | 014 P1<br>H2<br>S | 015 P1<br>H2<br>S | 017 P1<br>H2<br>S | 019 P1<br>H3<br>S |
|------------------------------|-------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| STANDARD                     | <b>Cooling capacity (1)</b>                           |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|                              | Total kW                                              | 7,5               | 8,8               | 11,0              | 8,3               | 9,8               | 11,6              | 13,1              | 14,2              | 17,2              | 19,8              | 20,0              |
|                              | Sensible kW                                           | 6,3               | 7,2               | 9,0               | 8,1               | 9,4               | 10,1              | 10,8              | 13,7              | 15,0              | 16,5              | 19,2              |
|                              | SHR kW/kW                                             | 0,83              | 0,81              | 0,82              | 0,97              | 0,96              | 0,87              | 0,82              | 0,96              | 0,87              | 0,83              | 0,96              |
|                              | Unit power input kW                                   | 1,2               | 1,4               | 1,9               | 1,2               | 1,5               | 1,8               | 2,0               | 2,1               | 2,6               | 3,1               | 3,4               |
|                              | Water flow - Water/gas exhaust heat exchanger m3/h    | 0,7               | 0,9               | 1,1               | 0,8               | 1,0               | 1,1               | 1,3               | 1,4               | 1,7               | 1,9               | 2,0               |
|                              | Pressure drops - Water/gas exhaust heat exchanger kPa | 6                 | 8                 | 10                | 7                 | 10                | 8                 | 10                | 8                 | 11                | 15                | 4                 |
|                              | <b>Heating capacity (2)</b>                           | 7,3               | 8,6               | 9,6               | 7,5               | 8,9               | 11,0              | 12,7              | 12,9              | 16,0              | 18,9              | 18,8              |
|                              | Unit power input kW                                   | 1,6               | 1,9               | 2,1               | 1,4               | 1,8               | 2,3               | 2,7               | 2,6               | 3,3               | 3,9               | 3,8               |
|                              | Water flow - Water/gas exhaust heat exchanger m3/h    | 0,6               | 0,8               | 0,8               | 0,7               | 0,8               | 1,0               | 1,1               | 1,2               | 1,4               | 1,7               | 1,7               |
|                              | Pressure drops - Water/gas exhaust heat exchanger kPa | 5                 | 7                 | 7                 | 6                 | 8                 | 7                 | 9                 | 6                 | 9                 | 12                | 3                 |
|                              | Supply fans n.                                        | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 |
|                              | Air flow m3/h                                         | 1580              | 1800              | 2000              | 2273              | 2653              | 2653              | 2653              | 3955              | 3955              | 3955              | 5460              |
|                              | Nominal external static pressure Pa                   | 30                | 30                | 30                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                |
|                              | Supply fans max external static pressure Pa           | 186               | 110               | 80                | 215               | 118               | 118               | 118               | 282               | 282               | 282               | 600               |
|                              | Scroll compressors n.                                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 |
|                              | Capacity steps n.                                     | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 |
|                              | Air filters n.                                        | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 2                 |
|                              | Efficiency                                            | G3                | G3                | G3                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                |
|                              | Refrigerant                                           | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             |
|                              | Total refrigerant charge (optional excluded) kg       | 2,7               | 2,7               | 2,7               | 5,1               | 5,1               | 5,1               | 5,1               | 6,3               | 6,3               | 6,3               | 8,0               |
|                              | Gas circuits n.                                       | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 |
|                              | Power supply V/Ph/Hz                                  | 230/1/50          | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        |
|                              | Max unit operating current (FLA) (4) A                | 13,5              | 7,0               | 8,3               | 5,9               | 7,7               | 8,7               | 9,7               | 9,0               | 11,3              | 12,8              | 12,8              |
|                              | Unit starting current (LRA) (4) A                     | 60,7              | 39,0              | 47,3              | 29,2              | 39,7              | 47,7              | 44,7              | 44,0              | 53,0              | 65,0              | 65,0              |
|                              | EER (1) kW/kW                                         | 6,49              | 6,49              | 5,76              | 7,03              | 6,46              | 6,48              | 6,45              | 6,83              | 6,69              | 6,49              | 5,88              |
|                              | COP (2) kW/kW                                         | 4,57              | 4,49              | 4,66              | 5,28              | 4,95              | 4,78              | 4,65              | 5,04              | 4,80              | 4,87              | 4,95              |
|                              | Sound level - ISO 3744 (5)                            |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|                              | On air delivery dB(A)                                 | 55,7              | 58,3              | 60,4              | 56,7              | 59,7              | 59,7              | 59,7              | 64,7              | 64,7              | 64,7              | 65,2              |
|                              | On air intake dB(A)                                   | 50,7              | 52,5              | 54,6              | 49,7              | 50,6              | 51,9              | 51,9              | 53,9              | 53,9              | 55,5              | 55,7              |
|                              | Irradiated dB(A)                                      | 39,5              | 41,5              | 43,6              | 39,7              | 41,9              | 42,4              | 42,4              | 46,6              | 46,6              | 46,8              | 47,2              |
|                              | Net weight kg                                         | 169               | 169               | 171               | 195               | 198               | 201               | 202               | 260               | 262               | 263               | 324               |

| NEXT P DW<br>SIZE<br>VERSION |                                                       | 021 P1<br>H3<br>S | 023 P1<br>H3<br>S | 025 P1<br>H4<br>S | 029 P1<br>H4<br>S | 033 P1<br>H4<br>S | 038 P1<br>H5<br>S | 040 P1<br>H5<br>S | 045 P1<br>H5<br>S | 049 P1<br>H5<br>S | 026 P2<br>H5<br>D | 028 P2<br>H5<br>D |
|------------------------------|-------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| STANDARD                     | <b>Cooling capacity (1)</b>                           |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|                              | Total kW                                              | 22,3              | 24,5              | 29,3              | 32,7              | 38,2              | 40,4              | 44,8              | 52,6              | 56,4              | 28,0              | 35,6              |
|                              | Sensible kW                                           | 20,2              | 21,1              | 26,5              | 28,4              | 31,4              | 37,7              | 39,5              | 44,8              | 45,4              | 25,4              | 34,1              |
|                              | SHR kW/kW                                             | 0,91              | 0,86              | 0,90              | 0,87              | 0,82              | 0,93              | 0,88              | 0,85              | 0,80              | 0,91              | 0,96              |
|                              | Unit power input kW                                   | 4,1               | 4,7               | 5,3               | 5,8               | 6,5               | 7,2               | 8,0               | 11,1              | 9,5               | 4,5               | 6,4               |
|                              | Water flow - Water/gas exhaust heat exchanger m3/h    | 2,2               | 2,5               | 2,9               | 3,2               | 3,7               | 3,9               | 4,4               | 5,3               | 5,5               | 2,7               | 3,4               |
|                              | Pressure drops - Water/gas exhaust heat exchanger kPa | 5                 | 6                 | 6                 | 8                 | 11                | 7                 | 8                 | 11                | 8                 | 5                 | 8                 |
|                              | <b>Heating capacity (2)</b>                           | 21,5              | 24,2              | 28,1              | 31,9              | 36,9              | 36,7              | 40,8              | 43,5              | 52,9              | 24,6              | 30,9              |
|                              | Unit power input kW                                   | 4,5               | 5,2               | 6,1               | 6,9               | 7,8               | 8,0               | 9,1               | 10,3              | 12,3              | 5,5               | 7,5               |
|                              | Water flow - Water/gas exhaust heat exchanger m3/h    | 1,9               | 2,2               | 2,6               | 2,9               | 3,3               | 3,4               | 3,7               | 3,8               | 4,7               | 2,2               | 2,8               |
|                              | Pressure drops - Water/gas exhaust heat exchanger kPa | 4                 | 4                 | 5                 | 6                 | 8                 | 6                 | 7                 | 7                 | 7                 | 3                 | 5                 |
|                              | Supply fans n.                                        | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 |
|                              | Air flow m3/h                                         | 5460              | 5460              | 7160              | 7440              | 7440              | 10440             | 10440             | 10440             | 10440             | 7110              | 10440             |
|                              | Nominal external static pressure Pa                   | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                |
|                              | Supply fans max external static pressure Pa           | 600               | 600               | 95                | 50                | 50                | 136               | 136               | 136               | 136               | 172               | 136               |
|                              | Scroll compressors n.                                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 2                 | 2                 |
|                              | Capacity steps n.                                     | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 2                 | 2                 |
|                              | Air filters n.                                        | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 |
|                              | Efficiency                                            | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                |
|                              | Refrigerant                                           | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             |
|                              | Total refrigerant charge (optional excluded) kg       | 8,0               | 8,0               | 9,9               | 9,9               | 9,9               | 16,4              | 16,5              | 16,6              | 17,0              | 10,6              | 10,9              |
|                              | Gas circuits n.                                       | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 1                 | 2                 | 2                 |
|                              | Power supply V/Ph/Hz                                  | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        |
|                              | Max unit operating current (FLA) (4) A                | 16,0              | 16,0              | 18,5              | 23,5              | 24,5              | 25,9              | 28,9              | 35,2              | 37,9              | 18,1              | 24,5              |
|                              | Unit starting current (LRA) (4) A                     | 76,0              | 102,0             | 97,5              | 113,5             | 120,5             | 121,9             | 121,9             | 144,2             | 177,9             | 53,1              | 65,9              |
|                              | EER (1) kW/kW                                         | 5,43              | 5,20              | 5,55              | 5,67              | 5,87              | 5,61              | 5,57              | 4,76              | 5,92              | 6,29              | 5,56              |
|                              | COP (2) kW/kW                                         | 4,78              | 4,64              | 4,58              | 4,62              | 4,71              | 4,56              | 4,48              | 4,22              | 4,30              | 4,49              | 4,12              |
|                              | Sound level - ISO 3744 (5)                            |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|                              | On air delivery dB(A)                                 | 65,2              | 65,2              | 69,2              | 72,2              | 72,2              | 74,9              | 74,9              | 74,9              | 74,9              | 69,1              | 74,9              |
|                              | On air intake dB(A)                                   | 58,4              | 56,3              | 58,1              | 60,7              | 60,7              | 62,6              | 62,9              | 63,2              | 63,5              | 57,7              | 62,6              |
|                              | Irradiated dB(A)                                      | 48,2              | 47,4              | 51,1              | 54,1              | 54,1              | 56,8              | 56,8              | 56,8              | 56,8              | 51                | 56,8              |
|                              | Net weight kg                                         | 327               | 328               | 448               | 448               | 449               | 515               | 515               | 515               | 528               | 492               | 494               |

THE COOLING CAPACITY DOES NOT CONSIDER THE SUPPLY FAN MOTOR THERMAL LOAD

1. Characteristics referred to entering air at 27°C with 47%rh; ambient temperature at 35°C
2. Characteristics referred to entering air at 20°C; ambient temperature at 7°C with 90% rh.
3. Machine refrigerant charge. Optional are excluded.
4. Corresponding to the nominal external static pressure.
5. Noise level at 1 meter in free field (nominal external static pressure).

## TECHNICAL DATA NEXT P DW

| NEXT P DW<br>SIZE<br>VERSION |                                                                 | 032 P2<br>H5<br>S | 032 P2<br>H5<br>D | 036 P2<br>H5<br>S | 036 P2<br>H5<br>D | 042 P2<br>H6<br>S | 042 P2<br>H6<br>D | 048 P2<br>H6<br>S | 048 P2<br>H6<br>D | 052 P2<br>H6<br>S | 052 P2<br>H6<br>D | 060 P2<br>H6<br>S |
|------------------------------|-----------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| STANDARD                     | <b>Cooling capacity (1)</b>                                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|                              | Total kW                                                        | 38,4              | 38,4              | 45,3              | 45,3              | 48,8              | 49,0              | 54,3              | 54,5              | 59,8              | 60,1              | 67,6              |
|                              | Sensible kW                                                     | 35,3              | 35,3              | 39,7              | 39,8              | 43,9              | 44,0              | 46,2              | 46,3              | 52,6              | 52,7              | 57,7              |
|                              | SHR kW/kW                                                       | 0,92              | 0,92              | 0,88              | 0,88              | 0,90              | 0,90              | 0,85              | 0,85              | 0,88              | 0,88              | 0,85              |
|                              | Unit power input kW                                             | 7,3               | 7,3               | 8,5               | 8,5               | 8,3               | 8,2               | 9,2               | 9,1               | 10,6              | 10,5              | 11,5              |
|                              | Water flow - Water/gas exhaust heat exchanger m <sup>3</sup> /h | 3,8               | 3,8               | 4,5               | 4,5               | 4,8               | 4,8               | 5,3               | 5,3               | 5,9               | 5,9               | 6,6               |
|                              | Pressure drops - Water/gas exhaust heat exchanger kPa           | 12                | 9                 | 17                | 13                | 10                | 8                 | 12                | 10                | 14                | 12                | 12                |
|                              | <b>Heating capacity (2)</b>                                     | 35,3              | 34,4              | 40,5              | 39,5              | 42,3              | 41,2              | 47,5              | 46,3              | 51,8              | 50,5              | 60,2              |
|                              | Unit power input kW                                             | 8,8               | 8,7               | 9,8               | 9,7               | 9,1               | 9,1               | 10,3              | 10,3              | 11,6              | 11,5              | 13,3              |
|                              | Water flow - Water/gas exhaust heat exchanger m <sup>3</sup> /h | 3,2               | 3,1               | 3,6               | 3,5               | 3,9               | 3,7               | 4,3               | 4,2               | 4,7               | 4,5               | 5,4               |
|                              | Pressure drops - Water/gas exhaust heat exchanger kPa           | 9                 | 6                 | 11                | 8                 | 7                 | 5                 | 9                 | 6                 | 11                | 8                 | 9                 |
|                              | Supply fans                                                     | n.                | 1                 | 1                 | 1                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 |
|                              | Air flow m <sup>3</sup> /h                                      | 10440             | 10440             | 10440             | 10440             | 11310             | 11310             | 11310             | 11310             | 13480             | 13480             | 14500             |
|                              | Nominal external static pressure Pa                             | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                |
|                              | Supply fans max external static pressure Pa                     | 136               | 136               | 136               | 136               | 313               | 313               | 313               | 313               | 170               | 170               | 94                |
|                              | Scroll compressors                                              | n.                | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 |
|                              | Capacity steps                                                  | n.                | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 |
|                              | Air filters                                                     | n.                | 2                 | 2                 | 2                 | 3                 | 3                 | 3                 | 3                 | 3                 | 3                 | 3                 |
|                              | Efficiency                                                      | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                |
|                              | Refrigerant                                                     | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             |
|                              | Total refrigerant charge (optional excluded) kg                 | 11,3              | 11,4              | 11,5              | 11,6              | 21,1              | 21,3              | 21,1              | 21,3              | 21,7              | 21,9              | 22,3              |
|                              | Gas circuits                                                    | n.                | 1                 | 2                 | 1                 | 2                 | 1                 | 2                 | 1                 | 2                 | 1                 | 1                 |
|                              | Power supply V/Ph/Hz                                            | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        |
|                              | Max unit operating current (FLA) (4) A                          | 27,5              | 27,5              | 33,9              | 33,9              | 33,4              | 33,4              | 33,4              | 33,4              | 36,4              | 36,4              | 46,9              |
|                              | Unit starting current (LRA) (4) A                               | 79,9              | 79,9              | 93,9              | 93,9              | 93,4              | 93,4              | 119,4             | 119,4             | 115,4             | 115,4             | 136,9             |
|                              | EER (1) kW/kW                                                   | 5,24              | 5,25              | 5,32              | 5,32              | 5,90              | 5,96              | 5,90              | 5,97              | 5,66              | 5,74              | 5,87              |
|                              | COP (2) kW/kW                                                   | 4,03              | 3,94              | 4,15              | 4,08              | 4,64              | 4,55              | 4,59              | 4,51              | 4,46              | 4,38              | 4,52              |
|                              | Sound level - ISO 3744 (5)                                      |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|                              | On air delivery dB(A)                                           | 74,9              | 74,9              | 74,9              | 74,9              | 67,3              | 67,3              | 67,3              | 67,3              | 70,8              | 70,8              | 72,5              |
|                              | On air intake dB(A)                                             | 62,6              | 62,6              | 64                | 64                | 61,3              | 61,3              | 59                | 59                | 60,3              | 60,3              | 62,2              |
|                              | Irradiated dB(A)                                                | 56,8              | 56,8              | 57                | 57                | 52,4              | 52,4              | 50,7              | 50,7              | 53                | 53                | 54,8              |
|                              | Net weight kg                                                   | 488               | 494               | 491               | 497               | 606               | 614               | 608               | 616               | 711               | 723               | 716               |

| NEXT P DW<br>SIZE<br>VERSION |                                                                 | 060 P2<br>H6<br>D | 064 P2<br>H6<br>S | 064 P2<br>H6<br>D | 072 P2<br>H7<br>S | 072 P2<br>H7<br>D | 082 P2<br>H7<br>S | 082 P2<br>H7<br>D | 092 P2<br>H7<br>S | 092 P2<br>H7<br>D | 100 P2<br>H7<br>S | 100 P2<br>H7<br>D |
|------------------------------|-----------------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| STANDARD                     | <b>Cooling capacity (1)</b>                                     |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|                              | Total kW                                                        | 67,7              | 70,3              | 70,4              | 82,4              | 82,6              | 94,4              | 94,4              | 106,0             | 106,0             | 117,0             | 117,0             |
|                              | Sensible kW                                                     | 57,8              | 63,1              | 63,1              | 72,2              | 72,3              | 83,6              | 83,6              | 92,3              | 92,3              | 95,2              | 95,2              |
|                              | SHR kW/kW                                                       | 0,85              | 0,90              | 0,90              | 0,88              | 0,88              | 0,89              | 0,89              | 0,87              | 0,87              | 0,81              | 0,81              |
|                              | Unit power input kW                                             | 11,5              | 11,6              | 11,5              | 13,9              | 13,8              | 16,4              | 16,4              | 22,2              | 22,2              | 19,2              | 19,1              |
|                              | Water flow - Water/gas exhaust heat exchanger m <sup>3</sup> /h | 6,6               | 6,8               | 6,9               | 8,0               | 8,0               | 9,2               | 9,2               | 10,7              | 10,7              | 11,4              | 11,4              |
|                              | Pressure drops - Water/gas exhaust heat exchanger kPa           | 11                | 13                | 12                | 17                | 16                | 17                | 17                | 9                 | 9                 | 14                | 14                |
|                              | <b>Heating capacity (2)</b>                                     | 58,3              | 60,8              | 58,8              | 70,4              | 68,1              | 80,2              | 80,2              | 85,6              | 85,6              | 104,0             | 101,0             |
|                              | Unit power input kW                                             | 13,2              | 12,7              | 12,6              | 15,0              | 14,8              | 17,5              | 17,5              | 20,1              | 20,1              | 23,6              | 23,3              |
|                              | Water flow - Water/gas exhaust heat exchanger m <sup>3</sup> /h | 5,2               | 5,6               | 5,4               | 6,5               | 6,2               | 7,4               | 7,4               | 7,5               | 7,5               | 9,3               | 8,9               |
|                              | Pressure drops - Water/gas exhaust heat exchanger kPa           | 7                 | 10                | 8                 | 13                | 10                | 12                | 12                | 6                 | 6                 | 11                | 10                |
|                              | Supply fans                                                     | n.                | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 |
|                              | Air flow m <sup>3</sup> /h                                      | 14500             | 16000             | 16000             | 17610             | 17610             | 20870             | 20870             | 22040             | 22040             | 22040             | 22040             |
|                              | Nominal external static pressure Pa                             | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                | 50                |
|                              | Supply fans max external static pressure Pa                     | 94                | 50                | 50                | 346               | 346               | 136               | 136               | 50                | 50                | 50                | 50                |
|                              | Scroll compressors                                              | n.                | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 |
|                              | Capacity steps                                                  | n.                | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 | 2                 |
|                              | Air filters                                                     | n.                | 3                 | 3                 | 3                 | 4                 | 4                 | 4                 | 4                 | 4                 | 4                 | 4                 |
|                              | Efficiency                                                      | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                | G4                |
|                              | Refrigerant                                                     | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             | R410A             |
|                              | Total refrigerant charge (optional excluded) kg                 | 22,4              | 22,9              | 23,0              | 29,7              | 29,8              | 30,0              | 30,7              | 30,6              | 30,7              | 30,9              | 31,0              |
|                              | Gas circuits                                                    | n.                | 2                 | 1                 | 2                 | 1                 | 2                 | 1                 | 2                 | 1                 | 2                 | 1                 |
|                              | Power supply V/Ph/Hz                                            | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        | 400/3/50+N        |
|                              | Max unit operating current (FLA) (4) A                          | 46,9              | 47,0              | 47,0              | 49,6              | 49,6              | 57,8              | 58,4              | 70,4              | 69,7              | 75,8              | 75,8              |
|                              | Unit starting current (LRA) (4) A                               | 136,9             | 137,0             | 137,0             | 145,6             | 145,6             | 150,8             | 151,4             | 179,4             | 178,8             | 215,8             | 215,8             |
|                              | EER (1) kW/kW                                                   | 5,90              | 6,08              | 6,12              | 5,94              | 6,00              | 5,76              | 5,76              | 4,77              | 4,77              | 6,08              | 6,11              |
|                              | COP (2) kW/kW                                                   | 4,41              | 4,77              | 4,65              | 4,70              | 4,61              | 4,59              | 4,59              | 4,25              | 4,25              | 4,40              | 4,33              |
|                              | Sound level - ISO 3744 (5)                                      |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |
|                              | On air delivery dB(A)                                           | 72,5              | 75,4              | 75,4              | 73,1              | 73,1              | 77,9              | 77,9              | 79,7              | 79,7              | 79,7              | 79,7              |
|                              | On air intake dB(A)                                             | 62,2              | 63,8              | 63,8              | 62,5              | 62,5              | 65,9              | 65,9              | 67,5              | 67,5              | 67,7              | 67,7              |
|                              | Irradiated dB(A)                                                | 54,8              | 57,3              | 57,3              | 55,3              | 55,3              | 59,8              | 59,8              | 61,6              | 61,6              | 61,6              | 61,6              |
|                              | Net weight kg                                                   | 726               | 731               | 741               | 822               | 834               | 833               | 854               | 849               | 861               | 878               | 890               |

## THE COOLING CAPACITY DOES NOT CONSIDER THE SUPPLY FAN MOTOR THERMAL LOAD

1. Characteristics referred to entering air at 27°C with 47%RH; ambient temperature at 35°C
2. Characteristics referred to entering air at 20°C; ambient temperature at 7°C with 90% RH.
3. Machine refrigerant charge. Optional are excluded.
4. Corresponding to the nominal external static pressure.
5. Noise level at 1 meter in free field (nominal external static pressure).



OPTIONAL ACCESSORIES TECHNICAL DATA - NEXT P DW

| NEXT P DW            |                 | 006 P1 | 008 P1 | 010 P1 | 007 P1 | 009 P1 | 011 P1 | 013 P1 | 014 P1 | 015 P1 | 017 P1 | 019 P1 |
|----------------------|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SIZE                 |                 | H0     | H0     | H0     | H1     | H1     | H1     | H1     | H2     | H2     | H2     | H3     |
| VERSION              |                 | S      | S      | S      | S      | S      | S      | S      | S      | S      | S      | S      |
| OPTIONAL             | Electric heater |        |        |        |        |        |        |        |        |        |        |        |
|                      | Power input     | kW     | 2,6    | 2,6    | 2,6    | 5,1    | 5,1    | 5,1    | 5,1    | 5,1    | 5,1    | 5,1    |
|                      | Capacity steps  | n.     | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 1      | 2      |
|                      | Humidifier      |        |        |        |        |        |        |        |        |        |        |        |
|                      | Steam capacity  | kg/h   | 2      | 2      | 2      | 3      | 3      | 3      | 3      | 3      | 3      | 3      |
|                      | Power input     | kW     | 1,4    | 1,4    | 1,4    | 2,3    | 2,3    | 2,3    | 2,3    | 2,3    | 2,3    | 2,3    |
|                      | Heating coil    |        |        |        |        |        |        |        |        |        |        |        |
| Heating capacity (6) |                 | kW     | 10,3   | 11,1   | 11,8   | 16,6   | 18,3   | 18,3   | 18,3   | 25,1   | 25,1   | 39,1   |
| NEXT P DW            |                 | 021 P1 | 023 P1 | 025 P1 | 029 P1 | 033 P1 | 038 P1 | 040 P1 | 045 P1 | 049 P1 | 026 P2 | 028 P2 |
| SIZE                 |                 | H3     | H3     | H4     | H4     | H4     | H5     | H5     | H5     | H5     | H5     | H5     |
| VERSION              |                 | S      | S      | S      | S      | S      | S      | S      | S      | S      | D      | D      |
| OPTIONAL             | Electric heater |        |        |        |        |        |        |        |        |        |        |        |
|                      | Power input     | kW     | 5,1    | 5,1    | 9,0    | 9,0    | 9,0    | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   |
|                      | Capacity steps  | n.     | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      |
|                      | Humidifier      |        |        |        |        |        |        |        |        |        |        |        |
|                      | Steam capacity  | kg/h   | 3      | 3      | 8      | 8      | 8      | 8      | 8      | 8      | 8      | 8      |
|                      | Power input     | kW     | 2,3    | 2,3    | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      |
|                      | Heating coil    |        |        |        |        |        |        |        |        |        |        |        |
| Heating capacity (6) |                 | kW     | 39,1   | 39,1   | 49,5   | 50,7   | 50,7   | 72,3   | 72,3   | 72,0   | 72,3   | 72,1   |
| NEXT P DW            |                 | 032 P2 | 032 P2 | 036 P2 | 036 P2 | 042 P2 | 042 P2 | 048 P2 | 048 P2 | 052 P2 | 052 P2 | 060 P2 |
| SIZE                 |                 | H5     | H5     | H5     | H5     | H6     | H6     | H6     | H6     | H6     | H6     | H6     |
| VERSION              |                 | S      | D      | S      | D      | S      | D      | S      | D      | S      | D      | S      |
| OPTIONAL             | Electric heater |        |        |        |        |        |        |        |        |        |        |        |
|                      | Power input     | kW     | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   |
|                      | Capacity steps  | n.     | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      |
|                      | Humidifier      |        |        |        |        |        |        |        |        |        |        |        |
|                      | Steam capacity  | kg/h   | 8      | 8      | 8      | 8      | 15     | 15     | 15     | 15     | 15     | 15     |
|                      | Power input     | kW     | 6      | 6      | 6      | 6      | 11,3   | 11,3   | 11,3   | 11,3   | 11,3   | 11,3   |
|                      | Heating coil    |        |        |        |        |        |        |        |        |        |        |        |
| Heating capacity (6) |                 | kW     | 72,3   | 72,3   | 72,3   | 72,3   | 91,0   | 91,0   | 91,4   | 102,0  | 102,0  | 107,0  |
| NEXT P DW            |                 | 060 P2 | 064 P2 | 064 P2 | 072 P2 | 072 P2 | 082 P2 | 082 P2 | 092 P2 | 092 P2 | 100 P2 | 100 P2 |
| SIZE                 |                 | H6     | H6     | H6     | H7     | H7     | H7     | H7     | H7     | H7     | H7     | H7     |
| VERSION              |                 | D      | S      | D      | S      | D      | S      | D      | S      | D      | S      | D      |
| OPTIONAL             | Electric heater |        |        |        |        |        |        |        |        |        |        |        |
|                      | Power input     | kW     | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   | 13,5   |
|                      | Capacity steps  | n.     | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      | 2      |
|                      | Humidifier      |        |        |        |        |        |        |        |        |        |        |        |
|                      | Steam capacity  | kg/h   | 15     | 15     | 15     | 15     | 15     | 15     | 15     | 15     | 15     | 15     |
|                      | Power input     | kW     | 11,3   | 11,3   | 11,3   | 11,3   | 11,3   | 11,3   | 11,3   | 11,3   | 11,3   | 11,3   |
|                      | Heating coil    |        |        |        |        |        |        |        |        |        |        |        |
| Heating capacity (6) |                 | kW     | 107,0  | 114,0  | 114,0  | 131,0  | 131,0  | 146,0  | 146,0  | 151,0  | 151,0  | 152,0  |

6. Characteristics referred to entering air at 20°C with hot water at 75-60°C.

DIMENSIONS (mm)

| SIZE H | a    | b   | c    |
|--------|------|-----|------|
| H0     | 655  | 420 | 1680 |
| H1     | 650  | 650 | 1925 |
| H2     | 785  | 650 | 1925 |
| H3     | 1085 | 750 | 1925 |
| H4     | 1320 | 860 | 1980 |
| H5     | 1620 | 860 | 1980 |
| H6     | 2155 | 860 | 1980 |
| H7     | 2690 | 860 | 1980 |

