**SPLIT AIR-TO-AIR HEAT PUMPS**

# NEXYA MULTI CASSETTE

[OS4/S5+IS6]

| | |
|---|---|
| Size | **14, 18, 21, 28, 42** |
| Energy class | **A++** |
| Type | **multisplit** |
| Filtration | **antidust** |
| Application | **commercial** |

## Ultra-compact dimensions

Suitable for any installation condition, thanks to the modular system (dual, trial, quadri and penta versions to air condition up to 5 rooms with a single outdo- or motor). The indoor units have particularly small dimensions (in plan only 62x62 cm), which makes it possible to limit the space occupied on the ceiling.

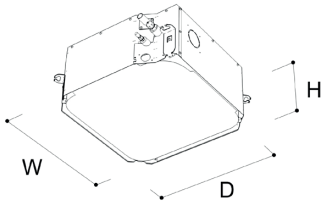
## Excellent air distribution in the room

The indoor unit has a decorative panel with digital display, independent flap management, and even air outtake (also on the edges of the indoor unit) to promote better airflow diffusion and greater climatic comfort.

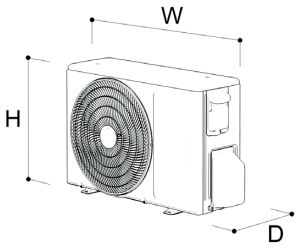
## TECHNICAL INFO

- Ability to control with external devices to turn on and off (remote on-off) and synchronize alarm condition (alarm contact).
- Indoor unit equipped with specific air inlets for the intro- duction of outside or fresh air and condensate liquid lifting pump.
- Hydrophillic Aluminum coating on the outdoor unit coil to prevent corrosive weathering.

## DIMENSIONS AND WEIGHT




| | | 9 | 12 | 18 |
|---|---|---|---|---|
| W | mm | 570 | 570 | 570 |
| H | mm | 245 | 245 | 245 |
| D | mm | 570 | 570 | 570 |
| WEIGHT | kg | 14,6 | 16,1 | 16,2 |




| | | 14 | 18 | 21 | 28 | 42 |
|---|---|---|---|---|---|---|
| W | mm | 805 | 805 | 890 | 946 | 946 |
| H | mm | 554 | 554 | 673 | 810 | 810 |
| D | mm | 330 | 330 | 342 | 410 | 410 |
| WEIGHT | kg | 31,6 | 35,0 | 43,3 | 62,1 | 74,1 |

## COMPATIBLE ACCESSORIES

| | |
|---|---|
| B1234 | Wireless 4-wire wall control NEW |
| B0969 | 4-wire wall-mounted remote control |
| B1020 | Wireless split kit |

- **Cooling**
- **Heating**
- **Dehumidification**
- **Ventilation**
- **Auto Mode**
- **Auto-diagnosis**
- **Auto-restart**
- **Defrost**
- **Temperature Sensor**
- **Sleep Mode**
- **Vertical swing**
- **Timer**
- **Turbo Mode**

## TECHNICAL DATA

| | | | | | | UE Nexya S5 E Dual Inverter 14 | UE Nexya S5 E Dual Inverter 18 | UE Nexya S5 E Trial Inverter 21 | UE Nexya S4 E Quadri Inverter 28 | UE Nexya S5 E Penta Inverter 42 |
|---|---|---|---|---|---|---|---|---|---|---|
| | **Outdoor unit code** | | | | | OS-CANMH14EI | OS-CANMH18EI | OS-CANMH21EI | OS-CEMYH28EI | OS-CANMH42EI |
| | **Outdoor unit EAN code** | | | | | 8021183119107 | 8021183119114 | 8021183119121 | 8021183116052 | 8021183119138 |
| | Output power in cooling mode (min/rated/max) | | (1) | kW | | 1,23-4,11-4,52 | 1,58-5,26-5,78 | 1,85-6,20-6,77 | 2,47-8,23-9,05 | 3,69-12,31-13,54 |
| | Output power in heating mode (min/rated/max) | | (1) | kW | | 1,33-4,44-4,88 | 1,68-5,58-6,14 | 1,93-6,46-7,11 | 2,63-8,76-9,63 | 3,69-12,31-13,54 |
| | Absorbed power in cooling mode (min/rated/max) | | (1) | kW | | 0,18-1,21-1,46 | 0,23-1,51-1,81 | 0,28-1,85-2,23 | 0,37-2,45-2,94 | 0,63-4,18-5,02 |
| | Absorbed power in heating mode (min/rated/max) | | (1) | kW | | 0,18-1,19-1,39 | 0,2-1,32-1,58 | 0,28-1,74-2,20 | 0,36-2,36-2,85 | 0,47-3,12-3,75 |
| | Absorption in cooling mode (min/nom/max) | | (1) | A | | 0,4-5,12-6,21 | 0,43-5,57-6,75 | 0,61-7,81-9,49 | 0,8-10,34-12,54 | 1,36-17,65-21,39 |
| | Absorption in heating mode (min/nom/max) | | (1) | A | | 0,4-5,05-5,96 | 0,43-5,57-6,75 | 0,6-7,56-9,36 | 0,77-10-12,13 | 1,02-13,18-15,98 |
| | EER | | (1) | | | 3,40 | 3,48 | 3,35 | 3,36 | 2,94 |
| | COP | | (1) | | | 3,73 | 4,23 | 3,71 | 3,71 | 3,95 |
| | Maximum power consumption in cooling mode | | (2) | kW | | 2,75 | 3,05 | 3,91 | 4,15 | 4,70 |
| | Maximum power consumption in heating mode | | (3) | kW | | 2,75 | 3,05 | 3,91 | 4,15 | 4,70 |
| | Energy efficiency class in cooling | | (4) | | | A++ | A++ | A++ | A++ | A+ |
| | Energy efficiency class in heating mode - Average season | | (4) | | | A | A+ | A+ | A+ | A |
| | Energy efficiency class in heating mode - Warmer season | | (4) | | | A+++ | A+++ | A+++ | A+++ | A+++ |
| | Energy efficiency class in heating mode - Cold season | | (4) | | | - | - | - | - | - |
| | Annual energy consumption in cooling mode | | (4) | kWh/year | | 222 | 276 | 341 | 420 | 1292 |
| | Annual energy consumption in heating mode - Average season | | (4) | kWh/year | | 1407 | 1476 | 1730 | 2208 | 3416 |
| | Annual energy consumption in heating mode - Warmer season | | (4) | kWh/year | | 1107 | 1302 | 1389 | 1741 | 2695 |
| | Annual energy consumption in heating mode - Cold season | | (4) | kWh/year | | - | - | - | - | - |
| PROJECT LOADS (EN 14825) | Cooling | Pdesignc | (4) | kW | | 4,1 | 5,3 | 6,2 | 8,2 | 12,3 |
| | Heating - Mid Season | Pdesignh | (4) | kW | | 3,9 | 4,3 | 5,1 | 6,4 | 9,5 |
| | Heating - Hot season | Pdesignh | (4) | kW | | 4,1 | 5,0 | 5,1 | 6,3 | 10,1 |
| | Heating - Cold Season | Pdesignh | (4) | kW | | - | - | - | - | - |
| SEASONAL EFFICIENCY (EN14825) | Cooling | SEER | (4) | | | 6,5 | 6,7 | 6,4 | 6,9 | 5,7 |
| | Heating - Mid Season | SCOP ( A ) | (4) | | | 3,9 | 4,1 | 4,1 | 4,0 | 3,9 |
| | Heating - Hot season | SCOP ( W ) | (4) | | | 5,2 | 5,4 | 5,1 | 5,1 | 5,2 |
| | Heating - Cold Season | SCOP ( C ) | (4) | | | - | - | - | - | - |
| OUTDOOR UNIT | Dimensions (WxHxD) (without packaging) | | | mm | | 805x554x330 | 805x554x330 | 890x673x342 | 946x810x410 | 946x810x410 |
| | Weight (without packaging) | | | kg | | 31,6 | 35,0 | 43,3 | 62,1 | 74,1 |
| | Dimensions (WxHxD) (with packaging) | | | mm | | 915x615x370 | 915x615x370 | 1030x750x438 | 1090x875x500 | 1090x885x500 |
| | Weight (with packaging) | | | kg | | 34,7 | 38,0 | 47,1 | 67,7 | 79,5 |
| | Air flow rate | | | m³/h | | 2100 | 2100 | 3000 | 3800 | 3850 |
| | Sound Pressure | | (7) | dB(A) | | 56 | 54 | 58 | 61 | 64 |
| | Sound power | LWA | (5) | dB(A) | | 65 | 65 | 67 | 69 | 71 |
| COOLING CIRCUIT | Liquid connection pipeline diameter | | | nr inch-mm | | 2 x 1/4"-6,35 | 2 x 1/4"-6,35 | 3 x 1/4"-6,35 | 4 x 1/4"-6,35 | 5 x 1/4"-6,35 |
| | Connecting gas pipeline diameter | | | nr inch-mm | | 2 x 3/8"-9,52 | 2 x 3/8"-9,52 | 3 x 3/8"-9,52 | 3 x 3/8"-9,52 + 1 x 1/2"-12,7 | 4 x 3/8"-9,52 + 1 x 1/2"-12,7 |
| | Piping length covered by precharge | | | m | | 15 | 15 | 22,5 | 30 | 37,5 |
| | Piping recommended minimum length | | | m | | 3 | 3 | 3 | 3 | 3 |
| | Maximum piping length (overall) | | | m | | 40 | 40 | 60 | 80 | 80 |
| | Maximum pipeline length (single pipeline branch) | | | m | | 25 | 25 | 30 | 35 | 35 |
| | Additional refrigerant | | | g/m | | 12 | 12 | 12 | 12 | 12 |
| | Maximum elevation of external unit above internal units | | | m | | 15 | 15 | 15 | 15 | 15 |
| | Maximum elevation of external unit below internal units | | | m | | 15 | 15 | 15 | 15 | 15 |
| | Maximum elevation difference between internal units | | | m | | 10 | 10 | 10 | 10 | 10 |
| | Refrigerant gas | Type | (8) | | | R32 | R32 | R32 | R32 | R32 |
| | Global warming potential | GWP | | | | 675 | 675 | 675 | 675 | 675 |
| | Refrigerant preloaded quantity | | | kg | | 1,1 | 1,25 | 1,5 | 2,1 | 2,9 |
| | Maximum operating pressure (High/Low side) | | | MPa | | 4,3/1,7 | 4,3/1,7 | 4,3/1,7 | 4,3/1,7 | 4,3/1,7 |
| ELECTRICAL CONNECTIONS | External Unit Power Supply | | | V/F/Hz | | Single-phase 220-240/1/50 | Single-phase 220-240/1/50 | Single-phase 220-240/1/50 | Single-phase 220-240/1/50 | Single-phase 220-240/1/50 |
| | Maximum Current | | | A | | 12 | 13 | 17 | 19 | 22 |
| OUTDOOR ENVIRONMENT | Operating temperatures in cooling mode (min/max) | | | °C B.S. | | -/+50 | -/+50 | -/+50 | -/+50 | -/+50 |
| | Operating temperatures in heating mode (min/max) | | | °C B.U. | | -15/+24 | -15/+24 | -15/+24 | -15/+24 | -15/+24 |

## TECHNICAL DATA

| | | | | | | UI Nexya S6 E Cassette Compact 9 | UI Nexya S6 E Cassette Compact 12 | UI Nexya S6 E Cassette Compact 18 |
|---|---|---|---|---|---|---|---|---|
| | **Indoor unit code** | | | | | OS-K/SENAH09EI | OS-K/SENAH12EI | OS-K/SENAH18EI |
| | **Indoor unit EAN code** | | | | | 8021183122305 | 8021183122329 | 8021183122343 |
| | Indoor Unit Power Supply | | | V/F/Hz | | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 |
| | Nominal cooling capacity | | (1) | kW | | 2,64 | 3,52 | 5,28 |
| | Nominal heating capacity | | (1) | kW | | 2,93 | 3,81 | 5,57 |
| INDOOR UNIT | Dimensions (WxHxD) (without packaging) | | | mm | | 570x245x570 | 570x245x570 | 570x245x570 |
| | Weight (without packaging) | | | kg | | 14,6 | 16,1 | 16,2 |
| | Dimensions (WxHxD) (with packaging) | | | mm | | 715x295x640 | 715x295x640 | 715x295x640 |
| | Weight (with packaging) | | | kg | | 17,5 | 18,8 | 19 |
| | Indoor air flow rate in cooling mode (min/average/max) | | | m³/h | | 400-460-500 | 330-520-620 | 300-540-660 |
| | Indoor air flow rate in heating mode (min/average/max) | | | m³/h | | 400-460-500 | 330-520-620 | 300-540-660 |
| | Sound pressure (silent/min/med/max) | | (6) | dB(A) | | /-33-36-37 | /-32-39-42 | /-32-41-44 |
| | Sound power | | (5) | dB(A) | | 52 | 55 | 59 |
| DECORATIVE PANEL | Dimensions (WxHxD) (without packaging) | | | mm | | 620x50x620 | 620x50x620 | 620x50x620 |
| | Weight (without packaging) | | | kg | | 2,7 | 2,7 | 2,7 |
| | Dimensions (WxHxD) (with packaging) | | | mm | | 715x115x700 | 715x115x700 | 715x115x700 |
| | Weight (with packaging) | | | kg | | 4,3 | 4,3 | 4,3 |
| PIPING DIMENSIONS | Liquid connection pipeline diameter | | | inch - mm | | 1/4" - 6,35 | 1/4" - 6,35 | 1/4" - 6,35 |
| | Connecting gas pipeline diameter | | | inch - mm | | 3/8" - 9,52 | 3/8" - 9,52 | 1/2" - 12,7 |
| INDOOR ENVIRONMENT | Operating temperatures in cooling mode (min/max) | | | °C B.U. | | +16/+32 | +16/+32 | +16/+32 |
| | Operating temperatures in heating mode (min/max) | | | °C B.S. | | 0/+30 | 0/+30 | 0/+30 |

(1) The data refers to the EN 14511 Standard
(2) Cooling test conditions: indoor temperature DB 32°C - WB 26°C; outdoor temperature DB 37°C
(3) Heating test conditions: indoor temperature DB 27°C; outdoor temperature DB 3°C - WB 2°C
(4) The data refers to the EN 14825 Standard
(5) The data refers to the EN 12102 Standard
(6) Test conditions: semi-anechoic chamber, unit positioned in free-field conditions, measuring instrument positioned at a distance of 1.4 metres from the bottom of the internal unit
(7) Test conditions: semi-anechoic chamber, unit positioned in free-field conditions, measuring instrument positioned at a distance of 1 metre (external unit)
(8) Non-hermetically sealed equipment containing fluorinated GAS with a GWP equivalent of 675
The declared data refers to one of the combinations capable of achieving the highest energy class. For the energy class and performance of the individual combinations, refer to the selection tables on the website www.olimpiasplendid.it and to the energy labels of the specific combination (range between A+++ and D). The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data is subject to changes and modifications without prior notice.