

SPLIT AIR-TO-AIR HEAT PUMPS

# NEXYA MULTI WALL

[OS4/S5+IS4]

|              |   |
|--------------|---|
| Size         | <b>14, 18, 21, 28, 42</b>                       |
| Energy class | <b>A++</b>                                      |
| Type         | <b>multisplit</b>                               |
| Filtration   | <b>antidust   activated carbons   catalysts</b> |
| Application  | <b>residential</b>                              |



## Modular system

Available in dual, triad, quadri and penta versions to air condition up to 5 rooms with a single external motor, the system is modular: systems can be designed by selecting the right size according to the system's heat load. At [Olimpiasp splendid.it](http://Olimpiasp splendid.it) you can check the combinations that qualify for incentives.

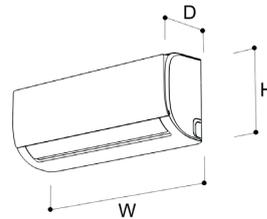
## Air Quality Technology

To improve indoor air quality in home environments, the unit is equipped with a triple-stage filtration system that combines a pre-filter (with anti-dust function), an activated carbon filter, effective against odors, and a cold catalytic filter capable of reducing impurities.

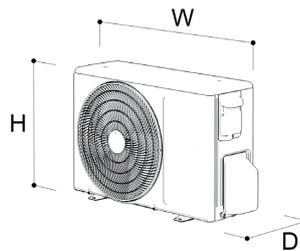
## TECHNICAL INFO

- Manual oscillation of horizontal airflow
- Golden Fin treatment on the outdoor unit battery to prevent corrosive weathering.
- Wireless connectivity can be integrated by easily installing the USB flash drive, included in the indoor unit packaging.

## DIMENSIONS AND WEIGHT



|        |    | 9   | 12  | 18   |
|--------|----|-----|-----|------|
| W      | mm | 805 | 805 | 957  |
| H      | mm | 285 | 285 | 302  |
| D      | mm | 194 | 194 | 213  |
| WEIGHT | kg | 7,6 | 7,6 | 10,0 |



|        |    | 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 |

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



## TECHNICAL DATA

|  |   | UE Nexya<br>S5 E Dual<br>Inverter 14 | UE Nexya<br>S5 E Dual<br>Inverter 18 | UE Nexya<br>S5 E Trial<br>Inverter 21 | UE Nexya<br>S4 E Quadri<br>Inverter 28 | UE Nexya<br>S5 E Penta<br>Inverter 42 |                                 |
|--|---|--------------------------------------|--------------------------------------|---------------------------------------|--|---------------------------------------|---------------------------------|
| <b>Outdoor unit code</b>                                   |   | OS-CANMH14E1                         | OS-CANMH18E1                         | OS-CANMH21E1                          | OS-CEMYH28E1                           | OS-CANMH42E1                          |                                 |
| <b>Outdoor unit EAN code</b>                               |   | 8021183119107                        | 8021183119114                        | 8021183119121                         | 8021183116052                          | 8021183119138                         |                                 |
| Output power in cooling mode (min/rated/max)               |   | (1) kW                               | 1,76-4,09-4,91                       | 2,12-5,28-6,41                        | 2,48-6,2-7,44                          | 2-8,2-9,9                             | 4,18-12,8-14                    |
| Output power in heating mode (min/rated/max)               |   | (1) kW                               | 1,91-4,44-5,33                       | 2,23-5,62-6,68                        | 2,20-6,29-7,55                         | 2,3-8,8-10,6                          | 4,18-12,89-14,94                |
| Absorbed power in cooling mode (min/rated/max)             |   | (1) kW                               | 0,38-1,07-1,34                       | 0,54-1,38-2,05                        | 0,62-1,73-2,16                         | 0,89-2,54-3,18                        | 1,03-3,97-4,57                  |
| Absorbed power in heating mode (min/rated/max)             |   | (1) kW                               | 0,36-1,02-1,28                       | 0,51-1,37-1,88                        | 0,51-1,43-1,78                         | 0,77-2,2-2,75                         | 0,9-3,26-4,14                   |
| Absorption in cooling mode (min/nom/max)                   |   | (1) A                                | 1,64-4,62-5,77                       | 2,32-5,94-8,82                        | 2,67-7,45-9,3                          | 3,9-11,3-14,1                         | 4,43-17,09-19,67                |
| Absorption in heating mode (min/nom/max)                   |   | (1) A                                | 1,55-4,39-5,51                       | 2,2-5,90-8,09                         | 2,2-6,16-7,66                          | 3,4-9,8-12,2                          | 3,87-14,03-17,82                |
| EER  |   | (1)                                  | 3,81                                 | 3,82                                  | 3,58                                   | 3,23                                  | 3,23                            |
| COP  |   | (1)                                  | 4,34                                 | 4,10                                  | 4,41                                   | 4,00                                  | 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                         | 214                                  | 266                                   | 319                                    | 470                                   | 711                             |
| Annual energy consumption in heating mode - Average season |   | (4) kWh/year                         | 1302                                 | 1467                                  | 1889                                   | 2395                                  | 3772                            |
| Annual energy consumption in heating mode - Warmer season  |   | (4) kWh/year                         | 962                                  | 1333                                  | 1525                                   | 2100                                  | 2588                            |
| Annual energy consumption in heating mode - Cold season    |   | (4) kWh/year                         | -                                    | -                                     | -                                      | -                                     | -                               |
| PROJECT LOADS (EN 14825)                                   | Cooling   | (4) kW                               | 4,1                                  | 5,3                                   | 6,2                                    | 8,2                                   | 12,3                            |
|  | Heating - Mid Season                                    | (4) kW                               | 3,6                                  | 4,5                                   | 5,3                                    | 6,5                                   | 9,9                             |
|  | Heating - Hot season                                    | (4) kW                               | 4,0                                  | 5,0                                   | 5,9                                    | 6,9                                   | 9,3                             |
|  | Heating - Cold Season                                   | (4) kW                               | -                                    | -                                     | -                                      | -                                     | -                               |
| SEASONAL EFFICIENCY (EN14825)                              | Cooling   | (4) SEER                             | 6,7                                  | 6,9                                   | 6,8                                    | 6,1                                   | 6,3                             |
|  | Heating - Mid Season                                    | (4) SCOP (A)                         | 3,9                                  | 4,3                                   | 4,0                                    | 3,8                                   | 3,7                             |
|  | Heating - Hot season                                    | (4) SCOP (W)                         | 5,9                                  | 5,3                                   | 5,4                                    | 4,6                                   | 5,0                             |
|  | Heating - Cold Season                                   | (4) SCOP (C)                         | -                                    | -                                     | -                                      | -                                     | -                               |
| 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                                   | 56                                    | 58                                     | 61                                    | 64                              |
|  | Sound power   | (5) LWA dB(A)                        | 65                                   | 65                                    | 66                                     | 67                                    | 69                              |
| 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<br>+1 x 1/2"-12,7       | 4 x 3/8"-9,52<br>+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/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.                              | -1/+50                               | -1/+50                                | -1/+50                                 | -1/+50                                | -1/+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 S4 E Inverter 9 | UI Nexya S4 E Inverter 12 | UI Nexya S4 E Inverter 18 |              |
|-----------------------------|--|--------------------------|---------------------------|---------------------------|--------------|
| <b>Indoor unit code</b>     |  | OS-SENEH09E1             | OS-SENEH12E1              | OS-SENEH18E1              |              |
| <b>Indoor unit EAN code</b> |  | 8021183114928            | 8021183114935             | 8021183114942             |              |
| Indoor Unit Power Supply    |  | V/Hz                     | 220-240/1/50              | 220-240/1/50              | 220-240/1/50 |
| Nominal cooling capacity    |  | (1) kW                   | 2,64                      | 3,52                      | 5,27         |
| Nominal heating capacity    |  | (1) kW                   | 2,93                      | 3,81                      | 4,97         |
| INDOOR UNIT                 | Dimensions (WxHxD) (without packaging)                 | mm                       | 805x285x194               | 805x285x194               | 957x302x213  |
|                             | Weight (without packaging)                             | kg                       | 7,6                       | 7,6                       | 10,0         |
|                             | Dimensions (WxHxD) (with packaging)                    | mm                       | 870x365x270               | 870x365x270               | 1035x385x295 |
|                             | Weight (with packaging)                                | kg                       | 9,7                       | 9,8                       | 13,0         |
|                             | Indoor air flow rate in cooling mode (min/average/max) | m³/h                     | 340-460-520               | 360-500-600               | 340-460-520  |
|                             | Indoor air flow rate in heating mode (min/average/max) | m³/h                     | 340-460-520               | 360-500-600               | 340-460-520  |
|                             | Sound pressure (silent/min/med/max)                    | (6) dB(A)                | /-26-30-40                | /-26-34-40                | /-26-30-40   |
| Sound power                 | (5) dB(A)  | 54                       | 54                        | 55                        |              |
| INDOOR 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  |
|                             | Operating temperatures in cooling mode (min/max)       | °C B.S.                  | +17/+32                   | +17/+32                   | +17/+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 1 metre, centred with respect to the internal unit and 0.8 metres below it

(7) Test conditions: semi-anechoic chamber, unit positioned in free-field conditions, measuring instrument positioned at a distance of 1 metre at a height of 1 metre

(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.olimpiaspandit.it](http://www.olimpiaspandit.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.