



# Diffusione



Performance and energy efficiency



## Pleasure in simplicity

Diffusione is pleasure in simplicity. Diffusione air conditioners cool, dehumidify and heat: they do everything to ensure that the climate is always just right. And they do so in great simplicity, naturally.



## New elegance

Today Diffusione has new, elegant look that is even more compact, with more sophisticated lines. The glossy details and broad side display reveal a hightech heart set within a classic form that is only apparently conventional.

## Efficient performance

Diffusione comes in three models to meet all possible demands to ensure that performance does not increase consumption. All models in the Diffusione line are rated Class A both for cooling and for heating: a guarantee of high efficiency and low power consumption.

## Maximum comfort

With the Auto function, a single button is all that is needed to get comfortable and enjoy the ideal climate. Diffusione sets the temperature automatically according to the parameters detected in the room and, once it has been reached, it maintains that temperature in time.

## Dehumidification and heating

Diffusione does not stop at just cooling the air. To ensure that the climate is always perfect, Diffusione dehumidifies the room (up to 1.5 litres/hour) and, in Spring and Fall, it uses the heat pump to delicately warm the room.



## Even at night

Diffusione's Sleep function has been designed for light sleepers. The timer allows setting an automatic switchoff time while the electronic control gradually rises the room temperature to adapt to the different metabolic phases of sleep.

## Environmentally Friendly

Diffusione protects the environment we live in: thanks to the use of environmentally friendly R410A gas, the unit almost has no impact on the ozone layer.

## Remote control

Diffusione has an easy-touse digital remote control and a broad display so you can quickly view the function settings.



## Automatic restart

No problem, even after a power blackout: once the power returns, Diffusione turns automatically on again, returning to the previous operating mode and settings.



|                                               |                   | Diffusione 9 HP HE | Diffusione 10.5HP HE | Diffusione 12.5HP HE |
|-----------------------------------------------|-------------------|--------------------|----------------------|----------------------|
|                                               |                   | OS-C/SEDSHX9E1     | OS-CEDSH/SEDSH11E1   | OS-CEDSH/SEDSH13E1   |
| Cooling capacity (1)                          | kW                | 2,5                | 2,94                 | 3,75                 |
| Heating capacity (2)                          | kW                | 2,7                | 3,12                 | 4,05                 |
| Power absorption in cooling mode (1)          | W                 | 747                | 908                  | 1.152                |
| Power absorption in heating mode (2)          | W                 | 818                | 860                  | 1.120                |
| Annual power consumption in cooling mode      | kWh               | 343                | 454                  | 576                  |
| Dehumidification capacity                     | l/h               | 0,9                | 1,0                  | 1,5                  |
| Power supply                                  | V-F-Hz            | 230-1-50           | 230-1-50             | 230-1-50             |
| Power supply min / max                        | W                 | 198 / 264          | 198 / 264            | 198 / 264            |
| Protection level (outdoor unit /indoor unit)  | —                 | IPX4/IPZ0          | IPX4/IPZ0            | IPX4/IPZ0            |
| E.E.R.                                        | —                 | 3,30               | 3,24                 | 3,25                 |
| C.O.P.                                        | —                 | 3,61               | 3,64                 | 3,62                 |
| Energy efficiency class in cooling mode       | —                 | A                  | A                    | A                    |
| Energy efficiency class in heating mode       | —                 | A                  | A                    | A                    |
| <b>Indoor unit:</b>                           |                   |                    |                      |                      |
| Air volume in cooling mode (max/med/min)      | m <sup>3</sup> /h | 460/440/420        | 460/440/420          | 550/530/500          |
| Air volume in heating mode (max/med/min)      | m <sup>3</sup> /h | 470/450/430        | 470/450/430          | 560/540/510          |
| Dimensions (W x H x D)                        | mm                | 818x270x192        | 818x270x192          | 818x270x192          |
| Sound level (sound pressure*/sound power**)   | dB(A)             | 35                 | 35                   | 37                   |
| Weight (without packing)                      | Kg                | 10                 | 10                   | 10                   |
| <b>Outdoor unit:</b>                          |                   |                    |                      |                      |
| Dimensions (W x H x D)                        | mm                | 715x482x240        | 715x482x240          | 755x530x252          |
| Air volume (max)                              | m <sup>3</sup> /h | 1.700              | 1.700                | 2.200                |
| Sound level (sound pressure*/sound power**)   | dB(A)             | 52                 | 52                   | 55                   |
| Weight (without packing)                      | Kg                | 28                 | 32                   | 36                   |
| Fan speed (indoor unit/outdoor unit)          | —                 | 3/1                | 3/1                  | 3/1                  |
| ∅ Connecting pipe (liquid)                    | pollici mm        | 1/4"-6             | 1/4"-6               | 1/4"-6               |
| ∅ Connecting pipe (gas)                       | pollici mm        | 3/8"-9,53          | 3/8"-9,53            | 1/2"-12              |
| Max connecting lenght                         | m                 | 15                 | 15                   | 15                   |
| Max height difference                         | m                 | 5                  | 5                    | 5                    |
| Refrigerant gas/load                          | Kind/Kg           | R410A/0,94         | R410A/0,94           | R410A/1,4            |
| Additional gas (over 8 mt lenght)             | g/m               | 20                 | 20                   | 20                   |
| Power cable (N° pole x section mmq)           | —                 | 3x1,0              | 3x1,0                | 3x1,0                |
| Connecting cable (N° pole x section mmq)      | —                 | 2x0,75/3x1,5       | 2x0,75/3x1,5         | 2x0,75/3x1,5         |
| Maximum remote control range (distance/angle) | m/°               | 8/30°              | 8/30°                | 8/30°                |
| <b>TESTING CONDITIONS</b>                     |                   | Indoor temperature |                      | Outdoor temperature  |
| (1) Cooling capacity testes                   |                   | DB 27°C - WB 19°C  |                      | DB 35°C - WB 24°C    |
| (2) Heating capacity testes                   |                   | DB 27°C - WB 15°C  |                      | DB 7°C - WB 6°C      |

The technical data are referred to EN 14511.

\*The sound **pressure** was measured in a semi-anechoic chamber at one meter from the front panel of the unit and the microphone set at a height of one meter off the floor.

\*\*The **power** of the sound was measured according to the norm ISO 3741.  
HP = heat pump - HE = high efficiency (energy saving / high performance)