

NEW

Italian design by:




UNICO NEXT

The quietest, with inverter motor and R290 gas

Cod. 02456



CONDENSATE DRAIN 
Mandatory (except when "ONLY COOLING" mode is set during installation).



SILENT MODE

With the Silent Mode function active (compressor on), it reaches a maximum of 30 dB(A).



SYNC POWER SYSTEM

The new Twin Rotary compressor and the latest generation electronics are synchronised to obtain the best acoustic comfort, in all operating conditions.



NATURAL REFRIGERANT

It uses R290 refrigerant, with GWP close to zero, for a reduced environmental impact.



ECO-FRIENDLY PACKAGING

100% recyclable packaging, in FSC certified cardboard, and 98% plastic free.






FEATURES

Max power: 2,5 kW
Available in the HP version (heat pump). In the absence of condensate drain, during installation the machine can be configured in the "ONLY COOLING" version, deactivating the heating function. If necessary, it is also possible to configure it in "ONLY HEATING", deactivating the cooling function.
Cooling class: **A**
Refrigerant gas: R290
Internal layout of the machine rationalised and optimised for easy maintenance.
Large flap for homogeneous diffusion of air in the environment
Equipped with electrostatic filter and air filter activated carbon
Backlit display with touch controls on the machine.
On/off contact for enabling or energy boost.
There is an RS485 port designed to control the air conditioner with external BMS in Modbus RTU language.

FUNCTIONS

Cooling, heating, dehumidification and ventilation
Economy function: allows energy savings, automatically optimising machine performance
Auto function: modulates the operating parameters in relation to the room temperature.
Silent Mode function: mode that sets the machine to the lowest noise level. The compressor and fans are set to bring the sound pressure to just 30 dB(A).
24h timer



| TECHNICAL DATA | | | Unico Next 10 HP PVAN |
|--|--------|--------|---|
| PRODUCT CODE | | | 02456 |
| EAN CODE | | | 802183024562 |
| Cooling power (min/max) | | kW | 1,0 / 2,5 |
| Heating power (min/max) | | kW | 1,0 / 2,3 |
| Nominal cooling capacity (1) | Prated | kW |  2,1 |
| Nominal heating capacity (1) | Prated | kW |  1,7 |
| Nominal power consumption for cooling (1) | PEER | kW | 0,8 |
| Nominal absorption for cooling (1) | | A | 4,7 |
| Nominal power consumption for heating (1) | PCOP | kW | 0,5 |
| Nominal absorption for heating (1) | | A | 3,4 |
| Nominal energy efficiency index (1) | EERd | | 2,6 |
| Nominal efficiency coefficient (1) | COPd | | 3,1 |
| Energy efficiency class in cooling (1) | | |  |
| Energy efficiency class in heating (1) | | |  |
| Energy consumption in "thermostat off" mode | PTO | W | 14 |
| Energy consumption in "standby" mode (EN 62301) | PSB | W | 0,5 |
| Energy consumption for double pipe appliances (1) - cooling function | QDD | kWh/h | 0,8 |
| Energy consumption for double pipe appliances (1) - heating function | QDD | kWh/h | 0,5 |
| Cooling power with Silent Mode function | | kW | 1,4 |
| Heating power with Silent Mode function | | kW | 1,4 |
| Supply voltage | | V-F-Hz | 230-1-50 |
| Supply voltage (min/max) | | V | 198 / 264 |
| Maximum power consumption in cooling mode (min/max) | | kW | 0,3 / 1,1 |
| Absorption in cooling mode (min/max) | | A | 2,5 / 7,2 |
| Absorbed power in heating mode (min/max) | | kW | 0,3 / 1,0 |
| Absorption in heating mode (min/max) | | A | 2,1 / 5,9 |
| Maximum power consumption with electric resistance heating | | kW | - |
| Maximum absorption with electric resistance heating | | A | - |
| Dehumidification capacity | | l/h | 0,7 |
| Air flow rate in cooling environment (max/med/min) | | m³/h | 380/270/195 |
| Air flow rate in heating environment (max/med/min) | | m³/h | 380/270/195 |
| Air flow rate with electric resistance heating environment | | m³/h | - |
| External air flow rate in cooling (max/min) | | m³/h | 650/350 |
| External air flow rate in heating (max/min) | | m³/h | 650/350 |
| Internal ventilation speed | | | 3 |
| External ventilation speed | | | 6 |
| Diameter wall holes** | | mm | 162/202 |
| Electric resistance heating | | | - |
| Maximum remote control range (distance/angle) | | m / ° | 8 / ±80° |
| Dimensions (WxHxD) (without packaging) | | mm | 1015 x 540 x 180 |
| Dimensions (WxHxD) (with packaging) | | mm | 1100 x 605 x 290 |
| Weight (without packaging) | | kg | 41 |
| Weight (with packaging) | | kg | 43 |
| Internal sound pressure (min/max) (2) | | dB(A) |  26-40 |
| Silent Mode sound pressure level | | dB(A) | 30 |
| Degree of protection provided by covers | | | IP 20 |
| Refrigerant gas* | | Tipo | R290 |
| Global warming potential | GWP | | 3 |
| Refrigerant gas charge | | kg | 0,145 |
| Maximum operating pressure | | MPa | 3,1 |
| Power cable (N° pole x section mm²) | | | 3 x 1,5 |

LIMITS OF OPERATING CONDITIONS

| | | |
|-----------------------------|--------------------------------|-------------------|
| Indoor ambient temperature | Maximum temperature in cooling | DB 35°C - WB 24°C |
| | Minimum temperature in cooling | DB 18°C |
| | Maximum temperature in heating | DB 27°C |
| | Minimum temperature in heating | - |
| Outdoor ambient temperature | Maximum temperature in cooling | DB 43°C - WB 32°C |
| | Minimum temperature in cooling | - |
| | Maximum temperature in heating | DB 24°C - WB 18°C |
| | Minimum temperature in heating | DB -15°C |

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: Temperature: outdoor environment DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C

(2) Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

* Hermetically sealed equipment containing natural GAS with GWP equivalent to 3.

** Machine supplied with 202 mm wall opening grilles. If necessary, to replace an old Unico, the machine can also be installed with holes of 162 mm in diameter.