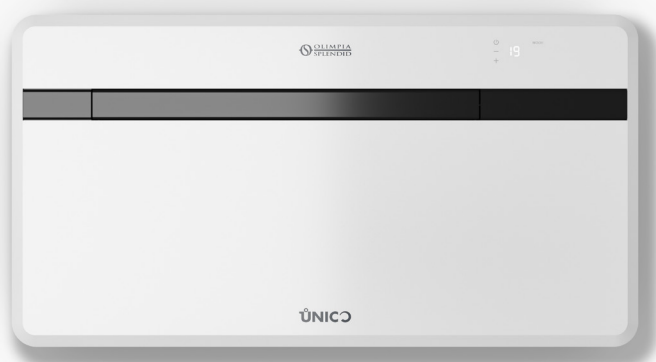


# UNICO EVO- F

The heat pump air conditioner without external unit



## 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.



## RECYCLED PLASTIC

Front panel made of 100% recycled plastic, in black. A material identical to the original but recovered from post-consumer products. For an increasingly circular economy.



## HEAT PUMP

Available in the HP version with a heat pump function to replace or enhance traditional heating during mid-season.



## CHARACTERISTICS

- Max power: 2.1 kW
- Available in HP version (heat pump).
- Cooling class: up to **A**
- Natural refrigerant gas: R290 (GWP=3)
- Optimised internal machine layout for simplified maintenance.
- Wide flap for even air distribution throughout the space
- Machine-mounted backlit display.
- Simplified remote control
- On/off contact for enabling or energy boost.
- An RS485 port is provided for control of the air conditioner with external BMSs that communicate via the Modbus RTU protocol.
- 100% recyclable packaging, 98% plastic free.

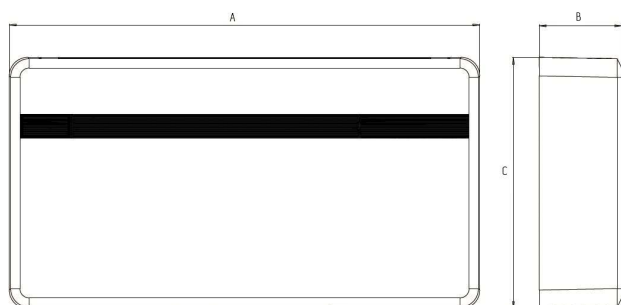
## FUNCTIONS

- Cooling, heating, dehumidification and ventilation






**CONDENSATE DRAIN** Always mandatory



## DIMENSIONS AND WEIGHT



		16
A	mm	1015
B	mm	180
C	mm	540
Net weight	kg	41

			Unico Evo - F 16 HP PVA
<b>PRODUCT CODE</b>			02522
<b>EAN CODE</b>			8021183025224
Cooling power (min/max)		kW	1.0 / 2.1
Heating power (min/max)		kW	1.0 / 2.1
Nominal cooling capacity (1)	Prated	kW	 1.6
Nominal heating capacity (1)	Prated	kW	 1.5
Nominal power consumption for cooling (1)	PEER	kW	0.6
Nominal absorption for cooling (1)		A	6.1
Nominal power consumption for heating (1)	PCOP	kW	0.5
Nominal absorption for heating (1)		A	3.5
Nominal energy efficiency index (1)	EERd		2.6
Nominal efficiency coefficient (1)	COPd		3.3
Energy efficiency class in cooling (1)			 A
Energy efficiency class in heating (1)			 A
Energy consumption in "thermostat off" mode	PTO	W	14.0
Energy consumption in "standby" mode (EN 62301)	PSB	W	0.5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	0.6
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0.5
Cooling power with Silent Mode function		kW	-
Heating power with Silent Mode function		kW	-
Supply voltage		V-F-Hz	230-1-50
Supply voltage (min/max)		V	198 / 264
Power consumption in cooling mode (min/max)		kW	0.3/1.1
Absorption in cooling mode (min/max)		A	2.5/7.4
Power consumption in heating mode (min/max)		kW	0.3/1.1
Absorption in heating mode (min/max)		A	2.1/6.2
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 (W x H x D) (without packaging)		mm	1014 x 540 x 180
Dimensions (W x H x D) (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)	 27-42
Silent Mode sound pressure level		dB(A)	-
Degree of protection provided by covers			IP20
Refrigerant gas		Type	R290
Global warming potential	GWP		3
Coolant gas load		kg	0.15
Maximum operating pressure		MPa	3.10
Power cable (No. pole x section mm²)			3 x 1.5

**LIMITS OF OPERATING CONDITIONS**

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

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Outdoor environment DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C  
 - COOLING MODE: 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 fluorinated 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.