

NEW

Italian design by:




UNICO NEXT

The quietest, with inverter motor and R290 gas

Cod. 02456



CONDENSATION DRAIN 
Mandatory (except when the "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 COOLANT GAS

It uses R290 coolant gas, with GWP almost 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 condensation 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**
Coolant 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



Air conditioners and air-to-air heat pumps without outdoor unit

NEW

			Unico Next 10 HP PVAN	Unico Air 8 SF	Unico Air 8 HP	Unico Air 10 HP EVA
PRODUCT CODE			02456	01503	01504	02237
EAN CODE			8021183024562	8021183015034	8021183015041	8021183022377
Cooling power (min/max)		kW	1,0 / 2,5	-	-	1,9/2,4
Heating power (min/max)		kW	1,0 / 2,3	-	-	1,8/2,3
Nominal cooling capacity (1)	Prated	kW	 2,1	 1,8	 1,8	 2,2
Nominal heating capacity (1)	Prated	kW	 1,7	-	 1,7	 2,1
Nominal power consumption for cooling (1)	PEER	kW	0,8	0,7	0,7	0,8
Nominal absorption for cooling (1)		A	4,7	3,1	3,1	4,7
Nominal power consumption for heating (1)	PCOP	kW	0,5	-	0,5	0,7
Nominal absorption for heating (1)		A	3,4	-	2,5	3,4
Nominal energy efficiency index (1)	EERd		2,6	2,6	2,6	2,6
Nominal efficiency coefficient (1)	COPd		3,1	-	3,1	3,1
Energy efficiency class in cooling (1)						
Energy efficiency class in heating (1)				-		
Energy consumption in "thermostat off" mode	PTO	W	14	14,0	14,0	33
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5	0,5	0,5	0,5
Energy consumption for double pipe appliances (1) - cooling function	QDD	kWh/h	0,8	0,7	0,7	0,8
Energy consumption for double pipe appliances (1) - heating function	QDD	kWh/h	0,5	-	0,5	0,7
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	230-1-50	230-1-50	230-1-50
Supply voltage (min/max)	V		198 / 264	198 / 264	198 / 264	198 / 264
Maximum power consumption in cooling mode (1)		kW	0,3 / 1,1	-	-	0,7/1,1
Absorption in cooling mode (min/max)		A	2,5 / 7,2	-	-	3,7/5,3
Absorbed power in heating mode (min/max)		kW	0,3 / 1,0	-	-	0,5/0,8
Maximum absorption in heating mode (min/max)		A	2,1 / 5,9	-	-	2,5/4,6
Maximum power consumption with electric resistance heating		kW	-	-	-	-
Maximum absorption with electric resistance heating		A	-	-	-	-
Dehumidification capacity	l/h		0,7	0,6	0,6	0,8
Air flow rate in cooling environment (max/med/min)	m³/h		380/270/195	215/180/150	215/180/150	235/180/150
Air flow rate in heating environment (max/med/min)	m³/h		380/270/195	-	215/180/150	190/170/150
Air flow rate with electric resistance heating environment	m³/h		-	-	-	-
External air flow rate in cooling (max/min)	m³/h		650/350	380	380	380/190
External air flow rate in heating (max/min)	m³/h		650/350	-	380	380/190
Internal ventilation speed			3	3	3	3
External ventilation speed			6	1	1	2
Diameter wall holes**	mm		162/202	162	162	162
Electric resistance heating			-	-	-	-
Maximum remote control range (distance/angle)	m / °		8 / ±80°	8 / ±80°	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)	mm		1015 x 540 x 180	978 x 491 x 164	978 x 491 x 164	978 x 500 x 164
Dimensions (WxHxD) (with packaging)	mm		1100 x 605 x 290	1060 x 595 x 250	1060 x 595 x 250	1060 x 595 x 250
Weight (without packaging)	kg		41	37	37	39
Weight (with packaging)	kg		43	41	41	43
Internal sound pressure (min/max) (2)	dB(A)		 26-40	 27-38	 27-38	 27-38
Silent Mode sound pressure level	dB(A)		30	-	-	-
Degree of protection provided by covers			IP 20	IP 20	IP 20	IP20
Refrigerant gas*	Type		R290	R410A	R410A	R32
Global warming potential	GWP		3	2088	2088	675
Refrigerant gas charge	kg		0,145	0,47	0,47	0,37
Maximum operating pressure	MPa		3,1	4,20	4,20	4,28
Power cable (N° pole x section mm²)			3 x 1,5	3 x 1,5	3 x 1,5	3 x 1,5

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 35°C - WB 24°C	DB 35°C - WB 24°C	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C	DB 18°C	DB 18°C
	Maximum temperature in heating	DB 27°C	DB 27°C	DB 27°C
	Minimum temperature in heating	-	-	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C	DB 43°C - WB 32°C	DB 43°C - WB 32°C
	Minimum temperature in cooling	-	-	-
	Maximum temperature in heating	DB 24°C - WB 18°C	DB 24°C - WB 18°C	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -15°C	DB -15°C	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 environment DB 20°C / WB 19°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor environment 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 2088.

** 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.