Italian design by:

UNICO NEXT [PVAN/EVAN]

Heat pump air conditioner without outdoor unit

Cod. 02456 **Cod. 02526**

CONDENSATE DRAIN
Mandatory, if heating is used. *See the installation manual for details.*

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.

ECO-FRIENDLY PACKAGING

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

FEATURES

Two max power models: 2.5 and 3.1 kW
Available in HP (heat pump) version. In the absence of condensate drain, during installation the machine can be configured in the "COLD ONLY" version, deactivating the heating function. If necessary, it is also possible to configure it in "HEAT ONLY", deactivating the cooling function.
Cooling class: A (on a range between A+++ and D)
Refrigerant gas: R290 for size 10 and R32 for size 12
Internal machine layout rationalised and optimised for easy maintenance.
Large flap for even air distribution in the room
Equipped with electrostatic filter and activated carbon filter
Backlit display with on-board touch controls.
On/off contact for enabling or energy boost.
An RS485 port is provided 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

Heat pump air conditioners without outdoor unit

			NEW		NEW	NEW
			Unico Next-F 8 HP PVA	Unico Next 10 HP PVAN	Unico Next 12 HP EVAN	Unico Next 12 HP EVANX
PRODUCT CODE			02523	02456	02526	02577
EAN CODE			8021183025231	8021183024562	8021183025262	8021183025774
Cooling power (min/max)		kW	1,0 / 2,1	1,0 / 2,5	1,5 / 3,1	1,5 / 3,1
Heating power (min/max)		kW	1,0 / 2,1	1,0 / 2,3	1,2 / 2,7	1,2 / 2,7
Nominal cooling capacity (1)	Prated	kW	1,6	2,1	2.6	2.6
Nominal heating capacity (1)	Prated	kW	1,5	1,7	2.4	2.4
Nominal power consumption for cooling (1)	PEER	kW	0,6	0,8	1	1
Nominal absorption for cooling (1)		A	6,1	4,7	4.1	4.1
Nominal power consumption for heating (1)	PCOP	kW	0,5	0,5	0.8	0.8
Nominal absorption for heating (1)		A	3,5	3,4	3.4	3.4
Nominal energy efficiency index (1)	EERd		2,6	2,6	2.6	2.6
Nominal efficiency coefficient (1)	COPd		3,3	3,1	3.1	3.1
Energy efficiency class in cooling (1)			A	A	A	A
Energy efficiency class in heating (1)			A	A	A	A
Energy consumption in "thermostat off" mode	PTO	W	14,0	14	14	14
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	0,6	0,8	1	1
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0,5	0,5	0.8	0.8
Cooling power with Silent Mode function		kW	-	1,4	2.1	2.2
Heating power with Silent Mode function		kW	-	1,4	1,9	2.1
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
Power consumption in cooling mode (min/max)		kW	0,3 / 1,1	0,3 / 1,1	0,4 / 1,6	0,4 / 1,6
Absorption in cooling mode (min/max)		A	2,5 / 7,4	2,5 / 7,2	1,9 / 7,6	1,9 / 7,6
Absorbed power in heating mode (min/max)		kW	0,3 / 1,1	0,3 / 1,0	0,3 / 1,1	0,3 / 1,1
Absorption in heating mode (min/max)		A	2,1 / 6,2	2,1 /5,9	1,5 /5,4	1,5 /5,4
Maximum power consumption with electric resistance heating (min/med/max)		kW	-	-	-	1,5/1,75/2,0
Absorption with electric resistance heating (min/med/max)		A	-	-	-	7,2 / 7,7 / 8,4
Dehumidification capacity		l/h	0,7	0,7	0.7	0.7
Air flow rate in cooling environment (max/med/min)		m³/h	195/270/380	195/270/380	210/270/410	210/270/410
Air flow rate in heating environment (max/med/min)		m³/h	195/270/380	195/270/380	210/270/410	210/270/410
Air flow rate with electric resistance heating environment (min/med/max)		m³/h	-	-	-	210/270/410
External air flow rate in cooling (max/min)		m³/h	350/650	350/650	350/650	350/650
External air flow rate in heating (max/min)		m³/h	350/650	350/650	350/650	350/650
Internal ventilation speed			3	3	3	3
External ventilation speed			6	6	6	6
Diameter wall holes**		mm	162/202	162/202	162/202	162/202
Electric resistance heating (min/med/max)		kW	-	-	-	1,5/1,75/2,0
Maximun remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	1015 x 540 x 180	1015 x 540 x 180	1015 x 540 x 180	1015 x 540 x 180
Dimensions (WxHxD) (with packaging)		mm	1100 x 605 x 290	1100 x 605 x 290	1100 x 605 x 290	1100 x 605 x 290
Weight (without packaging)		kg	41	41	41	41
Weight (with packaging)		kg	43	43	43	43
Internal sound pressure (min/max) (2)		dB(A)	27-42	26-40	26-42	26-42
Silent Mode sound pressure level		dB(A)	-	30	30	30
Degree of protection provided by covers			IP20	IP20	IP20	IP20
Refrigerant gas*		Type	R290	R290	R32	R32
Refrigerant gas charge		kg	0,145	0,145	0.28	0.28
Global warming potential	GWP		3	3	675	675
Maximum operating pressure		MPa	3,10	3,1	4.2	4.2
Power cable (N° pole x section mmq)			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 15°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 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.
Energy efficiency classes refer to a range between A+++ and D.