UNICO

Air-to-air heat pumps without outdoor unit

An Italian smart factory

The new-generation Unico is proudly made in Italy, using a low-environmental impact production process

Produced with 100% renewable energy

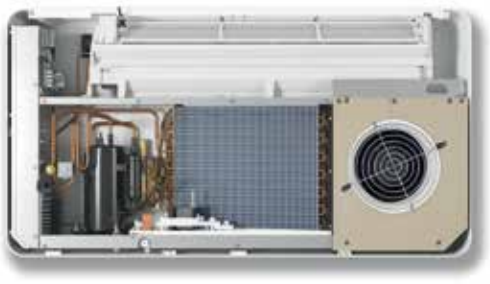
Unico has been produced in Italy since 1998, in the Brescia factory of Olimpia Splendid. A long story that details the important technological know-how acquired by the company in the production of air conditioners without outdoor units. An experience further enhanced through the creation of a cutting-edge production hall for residential air-conditioning, fully powered by renewable electricity and distinguished by advanced automation and high efficiency.

Packaged in FSC cardboard, recyclable and plastic free

Every material has been carefully selected, including the packaging. Unico's new-generation packaging is made of FSC®-certified cardboard (sourced from responsibly managed forests adhering to strict environmental, social and economic standards), is 100% recyclable and 98% plastic free. And the manuals? They are digital and easy to access via a QR code.

The evolution of Unico

A new-generation technology featuring a sophisticated blend of components that work in perfect sync for optimal performance



Superior energy efficiency

The innovative Sync Power System guarantees not only quiet overall unit operation but also the coordinated and harmonious operation of each element, thus improving overall energy efficiency. This new generation of heat pump air conditioners without outdoor unit is thus more efficient in all operating conditions.

-49% perceived noise annoyance

Tests on Product Sound Quality, developed in collaboration with the Department of Architecture and Industrial Design, ACOUVI Research Group - Acoustics, Vibration and multisensory Interactions, of the University of Campania "Luigi Vanvitelli", have shown how the next-generation Unico reduces perceived noise annoyance (PA Index) by up to 49%* compared to previous heat pump air conditioners without outdoor unit (test condition: operation in cooling mode with setpoint 18°C, at minimum and maximum speed). At low frequencies, it is thus the quietest Unico range ever, and with the Silent Mode function enabled, it reaches a maximum sound pressure of 30 dB(A), even with the compressor running.

Air-to-air heat pumps without outdoor unit

Inverter technology	<2.0 kW	2.1÷2.5 kW
UNICO EVO-F [PVA] With post-consumer recycled plastic 	Unico Evo-F 16 HP PVA (02522) NEW	
UNICO EVO [PVAN/EVAN] The most silent Unico ever 	Unico Evo 20 HP PVAN (02453)	Unico Evo 25 HP PVAN (02455)
UNICO EVO [EVANX] +2kW supplementary heating element 		
UNICO PRO [EVAN] Maximum power 		
UNICO VERTICAL [EVAN] Vertical layout, also available in a recessed version 		
UNICO VERTICAL [EVANX] +2kW supplementary heating element 		
On/off technology		
UNICO EASY [S2] Console format 	Unico Easy S2 HP (02527)	
UNICO TWIN [RFA] For two rooms 	NEW	

Energy efficiency class in cooling (depending on the reference operating conditions of each model) on a range between A++ and D.

2.6÷3.0 kW	>3.1 kW
Unico Evo 30 HP EVAN (02525) NEW	
Unico Evo 30 HP EVANX (02576) NEW	
Unico Pro 30 HP EVAN (02238)	Unico Pro 35 HP EVAN (02239)
	Unico Vertical-NK 35 HP EVAN (02557) NEW
	Unico Vertical 35 HP EVAN (02559) NEW
	Unico Vertical-NK 35 HP EVANX (02556) NEW
	Unico Vertical 35 HP EVANX (02558) NEW
Unico Twin Master 30 HP RFA (02138)	
Unico Twin Wall S1 (01996)	

UNICO EVO 30 HP EVANX
1 2 3 4 5 6 7 8 9

Nomenclature

Position 1: Unico line name
Position 2: Range name
Position 3: Size (16, 20, 25, 30, 35)
16=Class up to 1.6 kW nominal power in cooling mode
20=Class from 1.7 kW up to 2.0 kW nominal power in cooling mode
25=Class from 2.1 kW up to 2.5 kW nominal power in cooling mode
30=Class from 2.6 kW up to 3.0 kW nominal power in cooling mode
35=Class from 3.1 kW up to 3.5 kW nominal power in cooling mode
Position 4: Operating specification (HP=heat pump)
Position 5: Refrigerant (P=R290, E=R32, R=R410A)
Position 6: Compressor technology (V=inverter, F=on/off)
Position 7: Regulatory country specification (A=Europe)
Position 8: Connectivity (N=integrated Wi-Fi)
Position 9: Electric heating element (X)

Supplementary electric heating element
Natural R290 refrigerant
Low GWP R32 refrigerant
Condensation drainage always mandatory (even when used only for cooling)
Condensate drain mandatory if used for heating
SF function can be set to prevent the user from accidentally activating the heating mode.

Installation guidelines

The main rules to follow

1. No minimum installation area according to IEC 60335-2-40

With reference to the IEC 60335-2-40 standard, all Unico models in this catalogue can be installed freely inside any room, at any height and without limits of the walkable area.

R290 (A3) gas in-depth analysis according to the IEC 60335-2-40 standard

The IEC 60335-2-40 standard provides the method for calculating the minimum area in which it is possible to install air conditioners containing type A3 coolant gases. Fixed air conditioners containing R290 charges greater than 152 g require verification of the walkable area of the installation room:

- the higher the quantity of refrigerant charge, the larger the room must be;
- the lower the installation height of the machine, the larger the room must be.

The table below shows the minimum walkable areas of the rooms in which the machines can be installed, depending on the installation height and the grams of refrigerant charge (between 152 g and 988 g). Areas smaller than those indicated do not allow the installation of the air conditioner in the room in question, unless the additional precautions required by the IEC 60335-2-40 standard are adopted (such as gas sensors, additional ventilation, etc.).

Minimum walkable areas of the R290 gas room		Installation height of the air conditioner			
		0,6m	1,0m	1,8m	2,2m
Air conditioner gas charge	≤ 152 g (Unico with R290)	Free	Free	Free	Free
	153 g	37 m²	13 m²	4 m²	3 m²
	220 g	76 m²	28 m²	8 m²	6 m²
	290 g	133 m²	48 m²	15 m²	10 m²

N.B. case-by-case checks must be carried out by the installer responsible for installing the air conditioner.

The Unico air conditioners with R290 gas in this catalogue have charges lower than 152 g: it is therefore not necessary to carry out any check of the minimum installation area and they can be installed inside any room, at any height and without limits of walkable area.

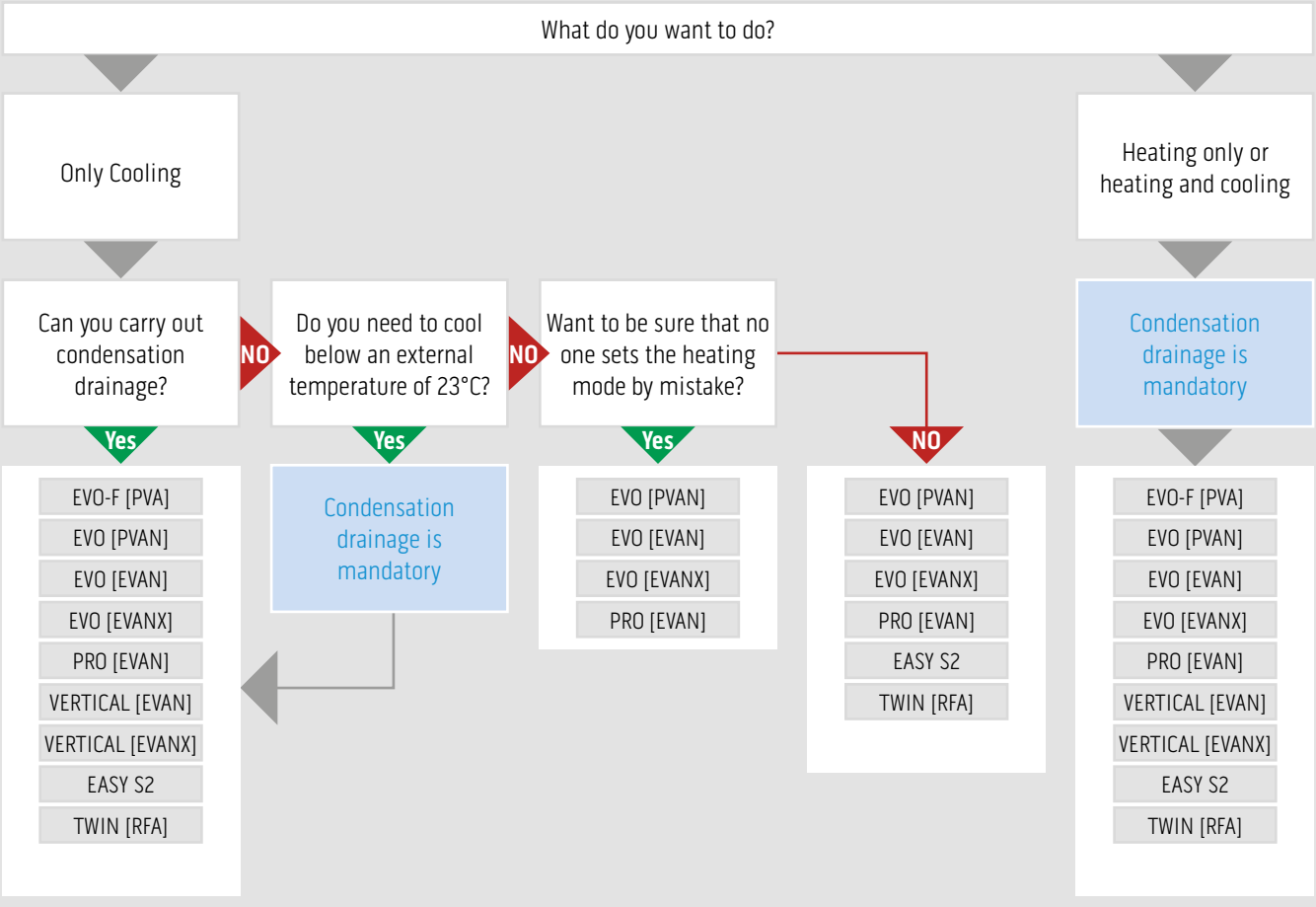
2. Along the perimeter, top or bottom

Unico can be installed along the entire perimeter wall of the house, near the floor or ceiling, in the centre of the wall or in the corners of the room (with the exception of the Unico Vertical and Unico Easy models, which can only be installed on the floor). Check the clearance distances and installation methods in the specific manual for each model.

3. On the outside, only 2 holes

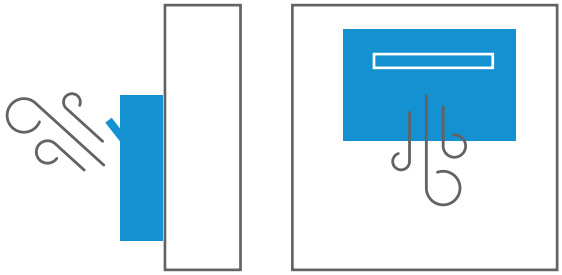
The operation of Unico requires the drilling of two holes in the wall (160 or 200 mm), positioned as indicated in the drilling template, which can be downloaded in the download area of the website www.olimpiasplendid.com. As specified in the installation manuals of the individual models, a third small hole may also be required for condensate drainage. The Unico models, previously installed, can be easily replaced, thanks to maintaining of the same centre distance of the air inlet and outlet holes. Use the drilling templates to perform the necessary checks in preparation for installation.

4. Condensation drain: when needed



5. Flap adjusted for better comfort

Depending on the type of installation chosen, it is necessary to optimise the distribution of comfort in the room by correctly configuring the control electronics of the air outlet flap (see instructions in the manual under "High/low installation configuration").



NEW

UNICO EVO-F [PVA]

Heat pump air conditioner without outdoor 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 with a heat pump function to replace or enhance traditional heating during mid-season.

CONDENSATE DRAIN
Always mandatory (even when used only for cooling).
See the installation manual for details.

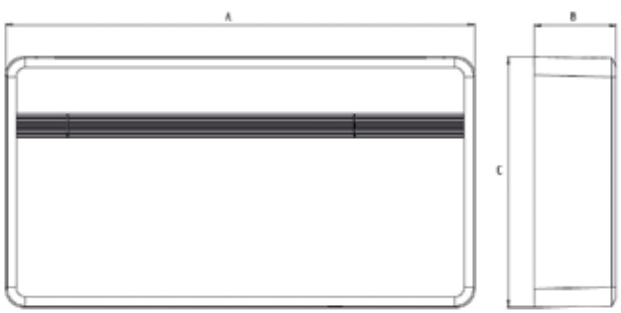
FEATURES

- Power max: 2,1 kW
- Available in the HP version (heat pump).
- Cooling class: A (on a range between A+++ and D)
- Natural refrigerant gas: R290 (GWP=3)
- Internal layout of the machine optimised for easy maintenance.
- Large flap for homogeneous diffusion of air in the environment
- Backlit display with touch controls on the machine.
- Simplified remote control.
- 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.
- 100% recyclable packaging, 98% plastic free.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**

DIMENSIONS AND WEIGHT



		16
A	mm	1015
B	mm	180
C	mm	540
Weight	kg	41

TECHNICAL DATA			Unico Evo-F 16 HP PVA
PRODUCT CODE			02522
EAN CODE			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
Absorbed power 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 (min/med/max)		kW	-
Absorption with electric resistance heating (min/med/max)		A	-
Dehumidification capacity		l/h	0,7
Air flow rate in cooling environment (max/med/min)		m³/h	195/270/380
Air flow rate in heating environment (max/med/min)		m³/h	195/270/380
Air flow rate with electric resistance heating environment (min/med/max)		m³/h	-
External air flow rate in cooling (max/min)		m³/h	350/650
External air flow rate in heating (max/min)		m³/h	350/650
Internal ventilation speed			3
External ventilation speed			6
Diameter wall holes**		mm	162/202
Electric resistance heating (min/med/max)		kW	-
Maximun 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)	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
Refrigerant gas charge		kg	0,145
Maximum operating pressure		MPa	3,10
Power cable (N° pole x section mmq)			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 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.

Italian design by:

UNICO EVO [PVAN/EVAN]

Heat pump air conditioner without outdoor unit

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.

HIGH EFFICIENCY

Thanks to the new compressor and to optimising all the components, Unico Evo reaches energy class A+, in cooling mode.

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

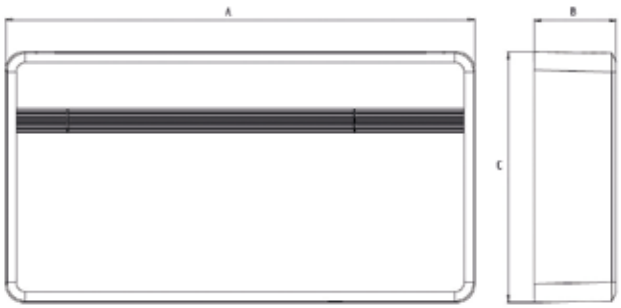
FEATURES

- Two max power models: 2.3, 2.5 and 3.1 kW
- Available in the HP version (heat pump). In the absence of the condensation drain, during installation the machine can be configured in the version "ONLY COOLING", deactivating the heating function. If necessary, it is also possible to configure the machine in "ONLY HEATING" disabling the cooling function.
- Cooling class: up to A+ (on a range between A+++ and D)
- Natural refrigerant R290 (GWP=3) for sizes 20 and 25 and R32 (GWP=675) for size 30.
- Internal layout of the machine optimised for easy maintenance.
- Large flap for homogeneous diffusion of air in the environment
- Equipped with multi-filtration system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against bad smells).
- 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.
- 100% recyclable packaging, 98% plastic free.

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**

DIMENSIONS AND WEIGHT



		20/25/30
A	mm	1015
B	mm	180
C	mm	540
Weight	kg	41

NEW

TECHNICAL DATA			Unico Evo 20 HP PVAN	Unico Evo 25 HP PVAN	Unico Evo 30 HP EVAN
PRODUCT CODE			02453	02455	02525
EAN CODE			8021183024531	8021183024555	8021183025255
Cooling power (min/max)		kW	1,0 / 2,3	1,0 / 2,5	1,5 / 3,1
Heating power (min/max)		kW	1,0 / 2,2	1,0 / 2,3	1,2 / 2,7
Nominal cooling capacity (1)	Prated	kW	1,7	2,1	2.6
Nominal heating capacity (1)	Prated	kW	1,5	1,7	2.4
Nominal power consumption for cooling (1)	PEER	kW	0,5	0,8	1
Nominal absorption for cooling (1)		A	4,7	4,7	4.1
Nominal power consumption for heating (1)	PCOP	kW	0,4	0,5	0.8
Nominal absorption for heating (1)		A	3,4	3,4	3.4
Nominal energy efficiency index (1)	EERd		3,1	2,6	2.6
Nominal efficiency coefficient (1)	COPd		3,4	3,1	3.1
Energy efficiency class in cooling (1)			A+	A	A
Energy efficiency class in heating (1)			A	A	A
Energy consumption in "thermostat off" mode	PTO	W	14	14	14
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5	0,5	0.5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	0,5	0,8	1
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0,4	0,5	0.8
Cooling power with Silent Mode function		kW	1,4	1,4	2.1
Heating power with Silent Mode function		kW	1,4	1,4	1,9
Supply voltage		V-F-Hz	230-1-50	230-1-50	230-1-50
Supply voltage (min/max)		V	198 / 264	198 / 264	198 / 264
Power consumption in cooling mode (min/max)		kW	0,3 / 1,0	0,3 / 1,1	0,4 / 1,6
Absorption in cooling mode (min/max)		A	2,5 / 7,0	2,5 / 7,2	1,9 / 7,6
Absorbed power in heating mode (min/max)		kW	0,3 / 1,0	0,3 / 1,0	0,3 / 1,1
Absorption in heating mode (min/max)		A	2,1 /5,7	2,1 /5,9	1,5 /5,4
Maximum power consumption with electric resistance heating		kW	-	-	-
Maximum absorption with electric resistance heating		A	-	-	-
Dehumidification capacity		l/h	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
Air flow rate in heating environment (max/med/min)		m³/h	195/270/380	195/270/380	210/270/410
Air flow rate with electric resistance heating environment		m³/h	-	-	-
External air flow rate in cooling (max/min)		m³/h	350/650	350/650	350/650
External air flow rate in heating (max/min)		m³/h	350/650	350/650	350/650
Internal ventilation speed			3	3	3
External ventilation speed			6	6	6
Diameter wall holes**		mm	162/202	162/202	162/202
Electric resistance heating			-	-	-
Maximun remote control range (distance/angle)		m / °	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
Dimensions (WxHxD) (with packaging)		mm	1100 x 605 x 290	1100 x 605 x 290	1100 x 605 x 290
Weight (without packaging)		kg	41	41	41
Weight (with packaging)		kg	43	43	43
Internal sound pressure (min/max) (2)		dB(A)	26-40	26-40	26-42
Silent Mode sound pressure level		dB(A)	30	30	30
Degree of protection provided by covers			IP20	IP20	IP20
Refrigerant gas*		Type	R290	R290	R32
Refrigerant gas charge		kg	0,145	0,145	0.28
Global warming potential	GWP		3	3	675
Maximum operating pressure		MPa	3,1	3,1	4.2
Power cable (N° pole x section mmq)			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
	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 gas with GWP equivalent to 3 (R290) and 675 (R32).
** 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.

NEW

UNICO EVO [EVANX]

Italian design by: newtone

Heat pump air conditioner without outdoor unit

LOW GWP REFRIGERANT R32 · REMOTE CONTROL INCLUDED · INTEGRATED WiFi

MODULATING ELECTRIC HEATING ELEMENT

Below a certain outside temperature, the unit automatically switches from heat pump to electric heating to ensure comfort even with the coldest outside temperatures. The switching temperature can be set during installation (factory setting of 4°C). The electric heating element has a modulating function, the power output varies depending on the set ventilation speed (1.50kW at Vmin, 1.75kW at Vmed and 2.00kW at Vmax).

2kW

SILENT MODE

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

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.

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

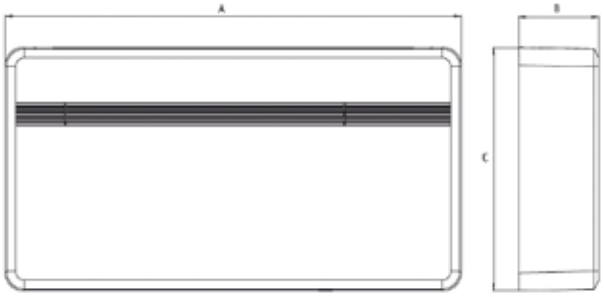
FEATURES

- Power max: 3,1 kW
- Available in the HP version (heat pump). In the absence of the condensation drain, during installation the machine can be configured in the version "ONLY COOLING", deactivating the heating function. If necessary, it is also possible to configure the machine in "ONLY HEATING" disabling the cooling function.
- Cooling class: up to A (on a range between A+++ and D)
- Natural refrigerant gas: R32 (GWP=675)
- Internal layout of the machine optimised for easy maintenance.
- Large flap for homogeneous diffusion of air in the environment
- Equipped with multi-filtration system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against bad smells).
- 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.
- 100% recyclable packaging, 98% plastic free.

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**

DIMENSIONS AND WEIGHT



		30
A	mm	1015
B	mm	180
C	mm	540
Weight	kg	41

TECHNICAL DATA			Unico Evo 30 HP EVANX
PRODUCT CODE			02576
EAN CODE			8021183025767
Cooling power (min/max)		kW	1,5 / 3,1
Heating power (min/max)		kW	1,2 / 2,7
Nominal cooling capacity (1)	Prated	kW	2.6
Nominal heating capacity (1)	Prated	kW	2.4
Nominal power consumption for cooling (1)	PEER	kW	1
Nominal absorption for cooling (1)		A	4.1
Nominal power consumption for heating (1)	PCOP	kW	0.8
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)			A
Energy efficiency class in heating (1)			A
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	1
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0.8
Cooling power with Silent Mode function		kW	2.2
Heating power with Silent Mode function		kW	2.1
Supply voltage		V-F-Hz	230-1-50
Supply voltage (min/max)		V	198 / 264
Power consumption in cooling mode (min/max)		kW	0,4 / 1,6
Absorption in cooling mode (min/max)		A	1,9 / 7,6
Absorbed power in heating mode (min/max)		kW	0,3 / 1,1
Absorption in heating mode (min/max)		A	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
Air flow rate in cooling environment (max/med/min)		m³/h	210/270/410
Air flow rate in heating environment (max/med/min)		m³/h	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
External air flow rate in heating (max/min)		m³/h	350/650
Internal ventilation speed			3
External ventilation speed			6
Diameter wall holes**		mm	162/202
Electric resistance heating (min/med/max)		kW	1,5/1,75/2,0
Maximun 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)	26-42
Silent Mode sound pressure level		dB(A)	30
Degree of protection provided by covers			IP20
Refrigerant gas*		Type	R32
Global warming potential	GWP		675
Refrigerant gas charge		kg	0.28
Maximum operating pressure		MPa	4.2
Power cable (N° pole x section mmq)			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

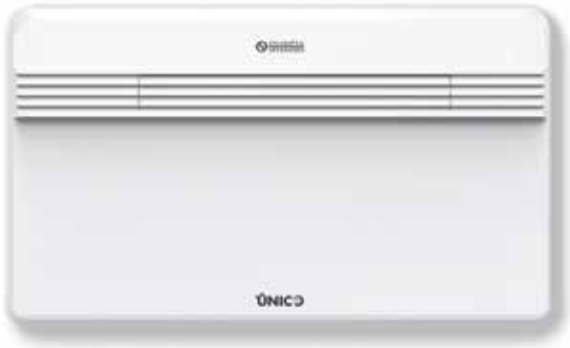
(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: Temperature: outdoor environment DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C
(2) Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.
* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 675.
** 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.

UNICO PRO [EVAN]

Heat pump air conditioner without outdoor unit

Italian design by:

Matteo Thun & Antonio Rodriguez



PRO POWER

Super cooling power (up to 3.5 kW) to meet the needs of even the largest environments.

HIGH PERFORMANCE

High efficiency class (up to A+) and state-of-the-art electronics, synchronized with the compressor to achieve the best acoustic comfort, at any operating condition.

AWARD WINNING DESIGN

Designed by Matteo Thun and Antonio Rodriguez, it stands out for its essential and original lines, awarded by numerous international competitions.

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

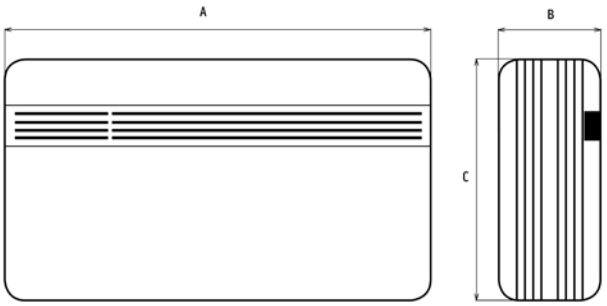
FEATURES

- Two models of Max power: 3.4 kW and 3.5 kW
- Available in the version: HP (Heat Pump). In the absence of condensation drainage, it is possible to configure the machine, during installation, in the "ONLY COOLING" version, disabling the heating function. If necessary, it is also possible to configure it in "ONLY HEATING", deactivating the cooling function.
- Class in cooling: up to A+ (on a range between A+++ and D)
- Refrigerant gas: R32
- The internal components are all accessible from the front with the machine already installed
- Large flap for the homogeneous diffusion of air in the environment
- Equipped with a multi-filtering system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against unpleasant odours).
- Backlit display with touch controls on the machine
- On/off contact for enable or energy boost.
- There is an RS485 port prepared for controlling the 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 reduce the sound pressure down to only 34 dB(A).
- **24 H timer**

DIMENSIONS AND WEIGHT



		30/35
A	mm	903
B	mm	215
C	mm	520
Weight	kg	39

TECHNICAL DATA			Unico Pro 30 HP EVAN	Unico Pro 35 HP EVAN
PRODUCT CODE			02238	02239
EAN CODE			8021183022384	8021183022391
Cooling power (min/max)		kW	1,9/3,4	1,9 / 3,5
Heating power (min/max)		kW	1,5/3,0	1,5 / 3,2
Nominal cooling capacity (1)	Prated	kW	2,6	3,1
Nominal heating capacity (1)	Prated	kW	1,8	2,4
Nominal power consumption for cooling (1)	PEER	kW	0,8	1,2
Nominal absorption for cooling (1)		A	4,0	4,3
Nominal power consumption for heating (1)	PCOP	kW	0,5	0,8
Nominal absorption for heating (1)		A	3,6	3,76
Nominal energy efficiency index (1)	EERd		3,1	2,6
Nominal efficiency coefficient (1)	COPd		3,4	3,1
Energy efficiency class in cooling (1)			A+	A
Energy efficiency class in heating (1)			A	A
Energy consumption in "thermostat off" mode	PTO	W	22	22
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5	0,5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	0,8	0,8
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0,5	0,7
Cooling power with Silent Mode function		kW	1,9	1,9
Heating power with Silent Mode function		kW	1,5	1,5
Supply voltage		V-F-Hz	230-1-50	230-1-50
Supply voltage (min/max)		V	198 / 264	198 / 264
Power consumption in cooling mode (min/max)		kW	0,5/1,5	0,5 / 1,5
Absorption in cooling mode (min/max)		A	3,1/7,5	3,1 / 7,5
Absorbed power in heating mode (min/max)		kW	0,4/1,4	0,4 / 1,4
Absorption in heating mode (min/max)		A	2,5/6,8	2,5 / 6,8
Maximum power consumption with electric resistance heating		kW	-	-
Maximum absorption with electric resistance heating		A	-	-
Dehumidification capacity		l/h	1,3	1,3
Air flow rate in cooling environment (max/med/min)		m³/h	350 / 390 / 490	350 / 390 / 490
Air flow rate in heating environment (max/med/min)		m³/h	350 / 390 / 490	350 / 390 / 490
Air flow rate with electric resistance heating environment		m³/h	-	-
External air flow rate in cooling (max/min)		m³/h	120/600	120/600
External air flow rate in heating (max/min)		m³/h	120/600	120/600
Internal ventilation speed			3	3
External ventilation speed			6	6
Diameter wall holes**		mm	162 / 202	162 / 202
Electric resistance heating			-	-
Maximun remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	903 x 520 x 215	903 x 520 x 215
Dimensions (WxHxD) (with packaging)		mm	980 x 610 x 330	980 x 610 x 330
Weight (without packaging)		kg	39	39
Weight (with packaging)		kg	42	42
Internal sound pressure (min/max) (2)		dB(A)	32-41	32-43
Silent Mode sound pressure level		dB(A)	34	34
Degree of protection provided by covers			IP 20	IP 20
Refrigerant gas*		Type	R32	R32
Refrigerant gas charge		kg	0,46	0,46
Global warming potential	GWP		675	675
Maximum operating pressure		MPa	4,28	4.28
Power cable (N° pole x section mmq)			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
	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 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 fluorinated gas with GWP equivalent 675.
** 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.

NEW

UNICO VERTICAL [EVAN]

Heat pump air conditioner without outdoor unit

SPACE SAVING

Developed vertically, it brings comfort where any other installation would be impossible, such as the corner of a room or the space between two windows.

PRO POWER

Super cooling power (up to 3.5 kW) to meet the needs of even the largest environments.

AVAILABLE IN RECESSED VERSION

Available for both free-standing and recessed installation (customised or with metal panel) for best architectural integration even in indoor spaces.

CONDENSATE DRAIN
Always mandatory (even when used only for cooling).
See the installation manual for details.

FEATURES

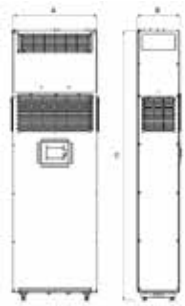
- Max power: 3.5 kW
- Available in the version: HP (heat pump)
- Cooling class: A (on a range between A+++ and D)
- Refrigerant gas: R32 (GWP=675)
- Available in aesthetic and recessed version
- Floor installation for aesthetic version
- Recessed installation for naked version
- On-board touchscreen display (Only for aesthetic version).
- Multifunctional remote control with LCD display (Only for aesthetic version).
- On/off contact for enabling or energy boost
- An RS485 port is available to control the unit with external BMS in Modbus RTU language.
- Condensate basin heating cable as standard.

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 reduce the sound pressure down to 38 dB(A).
- **24 H timer**

DIMENSIONS AND WEIGHT

		35
A	mm	523
B	mm	255
C	mm	1590



		35 - NK
A	mm	517
B	mm	260
C	mm	1585

TECHNICAL DATA			Unico Vertical 35 HP EVAN	Unico Vertical-NK 35 HP EVAN
PRODUCT CODE			02559	02557
EAN CODE			8021183025590	8021183025576
Cooling power (min/max)		kW	1,8/3,5	1,8/3,5
Heating power (min/max)		kW	1,7/3,2	1,7/3,2
Nominal cooling capacity (1)	Prated	kW	3.1	3.1
Nominal heating capacity (1)	Prated	kW	2.4	2.4
Nominal power consumption for cooling (1)	PEER	kW	1.2	1.2
Nominal absorption for cooling (1)		A	5.7	5.7
Nominal power consumption for heating (1)	PCOP	kW	0.8	0.8
Nominal absorption for heating (1)		A	3.7	3.7
Nominal energy efficiency index (1)	EERd		2.6	2.6
Nominal efficiency coefficient (1)	COPd		3.1	3.1
Energy efficiency class in cooling (1)			A	A
Energy efficiency class in heating (1)			A	A
Energy consumption in "thermostat off" mode	PTO	W	21	21
Energy consumption in "standby" mode (EN 62301)	PSB	W	0.5	0.5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	1.2	1.2
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0.8	0.8
Cooling power with Silent Mode function		kW	1.8	1.8
Heating power with Silent Mode function		kW	1.7	1.7
Supply voltage		V-F-Hz	230-1-50	230-1-50
Supply voltage (min/max)		V	198 / 264	198 / 264
Power consumption in cooling mode (min/max)		kW	0,5 / 1,5	0,5 / 1,5
Absorption in cooling mode (min/max)		A	2,8 / 7,2	2,8 / 7,2
Absorbed power in heating mode (min/max)		kW	0,3 / 1,4	0,3 / 1,4
Absorption in heating mode (min/max)		A	2,5/6,8	2,5/6,8
Maximum power consumption with electric resistance heating		kW	-	-
Maximum absorption with electric resistance heating		A	-	-
Dehumidification capacity		l/h	1.1	1.1
Air flow rate in cooling environment (max/med/min)		m³/h	290/390/440	290/390/440
Air flow rate in heating environment (max/med/min)		m³/h	290/390/440	290/390/440
Air flow rate with electric resistance heating environment (max/med/min)		m³/h	-	-
External air flow rate in cooling (max/min)		m³/h	190/640	190/640
External air flow rate in heating (max/min)		m³/h	190/640	190/640
Internal ventilation speed			3	3
External ventilation speed			5	5
Diameter wall holes**		mm	202	202
Electric resistance heating		kW	-	-
Maximun remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	523x1590x255	517x1585x260
Dimensions (WxHxD) (with packaging)		mm	593x1727x328	593x1727x328
Weight (without packaging)		kg	84	69
Weight (with packaging)		kg	87	72
Internal sound pressure (min/max) (2)		dB(A)	36-44	36-44
Silent Mode sound pressure level		dB(A)	38	38
Degree of protection provided by covers			IP20	IP20
Refrigerant gas*		Type	R32	R32
Refrigerant gas charge		kg	0.4	0.4
Global warming potential	GWP		675	675
Maximum operating pressure		MPa	4.28	4.28
Power cable (N° pole x section mmq)			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
	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 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 fluorinated gas with GWP equivalent 675.
Energy efficiency classes refer to a range between A+++ and D.

NEW

UNICO VERTICAL [EVANX]

Heat pump air conditioner without outdoor unit

2kW ELECTRIC HEATING ELEMENT

Below a certain outside temperature, the unit automatically switches from heat pump to electric heating to ensure comfort even with the coldest outside temperatures. The switching temperature can be set during installation (factory setting of 4°C).

SPACE SAVING

Developed vertically, it brings comfort where any other installation would be impossible, such as the corner of a room or the space between two windows.

PRO POWER

Super cooling power (up to 3.5 kW) to meet the needs of even the largest environments.

CONDENSATE DRAIN
Always mandatory (even when used only for cooling).
See the installation manual for details.

FEATURES

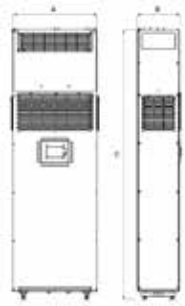
- Max power: 3.5 kW
- Available in the version: HP (heat pump)
- Cooling class: A (on a range between A+++ and D)
- Refrigerant gas: R32 (GWP=675)
- Available in aesthetic and recessed version
- Floor installation for aesthetic version
- Recessed installation for naked version
- On-board touchscreen display (Only for aesthetic version).
- Multifunctional remote control with LCD display (Only for aesthetic version).
- On/off contact for enabling or energy boost
- An RS485 port is available to control the unit with external BMS in Modbus RTU language.
- Condensate basin heating cable as standard.

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 reduce the sound pressure down to 38 dB(A).
- **24 H timer**

DIMENSIONS AND WEIGHT

		35
A	mm	523
B	mm	255
C	mm	1590



		35 - NK
A	mm	517
B	mm	260
C	mm	1585

TECHNICAL DATA			Unico Vertical 35 HP EVANX	Unico Vertical-NK 35 HP EVANX
PRODUCT CODE			02558	02556
EAN CODE			8021183025583	8021183025569
Cooling power (min/max)		kW	1,8/3,5	1,8/3,5
Heating power (min/max)		kW	1,7/3,2	1,7/3,2
Nominal cooling capacity (1)	Prated	kW	3.1	3.1
Nominal heating capacity (1)	Prated	kW	2.4	2.4
Nominal power consumption for cooling (1)	PEER	kW	1.2	1.2
Nominal absorption for cooling (1)		A	5.7	5.7
Nominal power consumption for heating (1)	PCOP	kW	0.8	0.8
Nominal absorption for heating (1)		A	3.7	3.7
Nominal energy efficiency index (1)	EERd		2.6	2.6
Nominal efficiency coefficient (1)	COPd		3.1	3.1
Energy efficiency class in cooling (1)			A	A
Energy efficiency class in heating (1)			A	A
Energy consumption in "thermostat off" mode	PTO	W	21	21
Energy consumption in "standby" mode (EN 62301)	PSB	W	0.5	0.5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	1.2	1.2
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0.8	0.8
Cooling power with Silent Mode function		kW	1.8	1.8
Heating power with Silent Mode function		kW	1.7	1.7
Supply voltage		V-F-Hz	230-1-50	230-1-50
Supply voltage (min/max)		V	198 / 264	198 / 264
Power consumption in cooling mode (min/max)		kW	0,5 / 1,5	0,5 / 1,5
Absorption in cooling mode (min/max)		A	2,8 / 7,2	2,8 / 7,2
Absorbed power in heating mode (min/max)		kW	0,3 / 1,4	0,3 / 1,4
Absorption in heating mode (min/max)		A	2,5/6,8	2,5/6,8
Maximum power consumption with electric resistance heating		kW	2,0	2,0
Maximum absorption with electric resistance heating		A	8,7	8,7
Dehumidification capacity		l/h	1.1	1.1
Air flow rate in cooling environment (max/med/min)		m³/h	280/380/430	280/380/430
Air flow rate in heating environment (max/med/min)		m³/h	280/380/430	280/380/430
Air flow rate with electric resistance heating environment (min/med/max)		m³/h	280/380/430	280/380/430
External air flow rate in cooling (max/min)		m³/h	190/640	190/640
External air flow rate in heating (max/min)		m³/h	190/640	190/640
Internal ventilation speed			3	3
External ventilation speed			5	5
Diameter wall holes**		mm	202	202
Electric resistance heating		kW	2,0	2,0
Maximun remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	523X1590X255	517x1585x260
Dimensions (WxHxD) (with packaging)		mm	593X1727X328	593x1727x328
Weight (without packaging)		kg	85	70
Weight (with packaging)		kg	90	75
Internal sound pressure (min/max) (2)		dB(A)	36-44	36-44
Silent Mode sound pressure level		dB(A)	38	38
Degree of protection provided by covers			IP20	IP20
Refrigerant gas*		Type	R32	R32
Refrigerant gas charge		kg	0.4	0.4
Global warming potential	GWP		675	675
Maximum operating pressure		MPa	4.28	4.28
Power cable (N° pole x section mmq)			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
	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

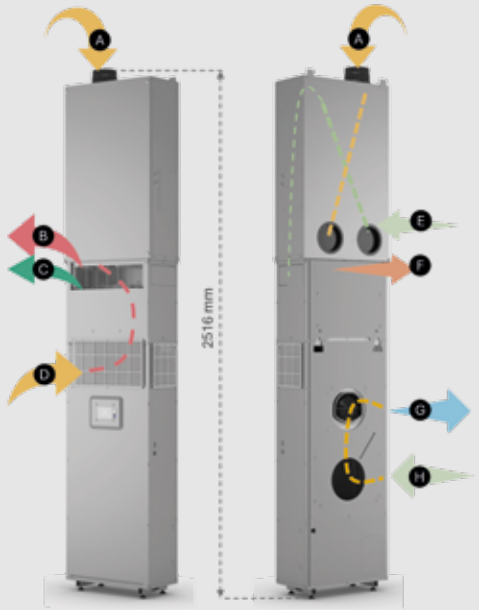
(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor environment DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor environment DB 27°C / WB 19°C
(2): Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.
* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 675.
Energy efficiency classes refer to a range between A+++ and D.

Vertical and multifunctional

A Unico generator for building climate comfort

Unico Vertical offers a comprehensive solution for indoor climate control in a fully electric, energy-efficient design with a low architectural impact. Like all heat pump air conditioners without outdoor unit, Unico Vertical allows complete management from within the building simply by drilling two 20 cm diameter holes on an external wall and installing a compact unit, thanks to its vertical design.
With Unico Vertical, it is possible to cool, heat (also with a supplementary electric heating element for the colder months) and effectively handle the air in each room, making it the ideal solution for new constructions and renovations in residential, commercial and tourism settings.

HOTELs and B&Bs | NURSING HOMES | STUDENT HOUSING | SHOPS & CAFÉS | STUDIO APARTMENT



Heat recovery ventilation unit can be integrated

The special-purpose kit (cod. B1031), allows integration of a dual-flow HRV unit in the heat pump air conditioner without outdoor unit. In addition to the traditional cooling and heating functions, Unico Vertical can thus also guarantee an effective and efficient air exchange, improving indoor air quality and overall system efficiency. The HRV unit is equipped with an energy-efficient, cross-flow and counter-flow heat exchanger.

A - HRV air intake
B - Heating/cooling air supply
C - HRV replacement air supply
D - Heating/cooling air intake
E - HRV external air intake
F - HRV ejection
G - Outside air extraction heating/cooling
H - Outside air intake heating/cooling

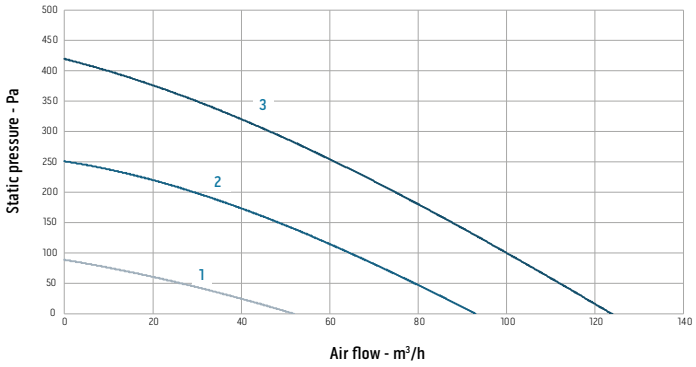
Maximum flow rate @100 Pa	m3/h	103
Electrical power consumption (at the maximum flow rate)	W	58
SEC class (local demand control)		A
SEC class (central demand control)		NA
SEC class (manual control - No demand control ventilation)		B
Thermal efficiency	%	77
Reference flow rate	m3/h	72

Reference pressure difference	Pa	0
Specific power consumption (SPI)	W/m3/h	0.389
Sound power level (LWA)	dB(A)	56
Electrical power supply		220-240V~/ 1ph/50-60Hz
IP protection rating		X2
Sound pressure @2m(1)	dB(A)	29
Max room temperature	°C	40

(1) Sound pressure level at 2 m in free field conditions, speed 40%, reported for comparison purposes only.

Performances relating to the extraction of the B1031 kit only

B1031-KIT VMC UNICO VERTICAL



	Speed %	m³/h max
1	40	52
2	70	93
3	100	124

Unico Vertical can be installed in various ways depending on the architectural features of the space, enabling perfect integration between building and system. Depending on the chosen installation method, additional features are available (such as air exchange via integrated HRV units, available only in recessed versions), along with different control options. Like all heat pump air conditioners without outdoor unit, Unico Vertical must be installed on an external wall and requires two 20 cm diameter holes for the heat pump unit, and an additional two 16cm holes for the optional HRV unit.

Free standing

List of useful codes

MODELS	02559	Unico Vertical 35 HP EVAN	
	02558	Unico Vertical 35 HP EVANX	
CONTROLS	Remote control (standard)		
	On-board display (standard)		
	-		
HRV	-		
	-		
RECESSED	-		
	-		

Custom recessed

List of useful codes

MODELS	02557	Unico Vertical-NK 35 HP EVAN	
	02556	Unico Vertical-NK 35 HP EVANX	
CONTROLS	B1029	Wireless thermostat	
	B1030	IAQ wireless thermostat	
	B1128	Wireless relay	
HRV	B1031	HRV kit for Unico Vertical-NK integration	
	B0998	Kit for 160mm grille for CMV installation	
RECESSED	-		
	-		

Recessed with metal panel

List of useful codes

MODELS	02557	Unico Vertical-NK 35 HP EVAN	
	02556	Unico Vertical-NK 35 HP EVANX	
CONTROLS	B1029	Wireless thermostat	
	B1030	IAQ wireless thermostat	
	B1128	Wireless relay	
HRV	B1031	HRV kit for Unico Vertical-NK integration	
	B0998	Kit for 160mm grille for CMV installation	
RECESSED	B1032	Kit for recessed wall installation Unico Vertical-NK	
	B1033	Kit for recessed wall installation of Unico Vertical-NK e HRV	

NEW

UNICO EASY [S2]

Heat pump air conditioner without outdoor unit

SUPPORTING LEGS

Equipped with two supporting legs for a more stable positioning.

TOUCHSCREEN DISPLAY

Latest generation digital control panel, for precise control over all the functions.

HEAT PUMP

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

CONDENSATE DRAIN

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

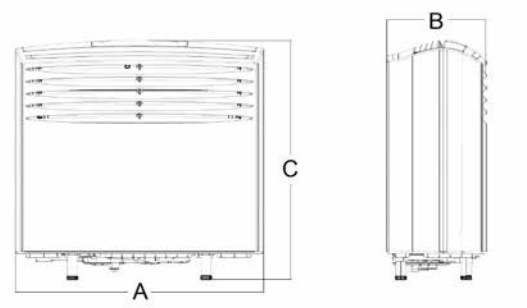
FEATURES

- Max Power: 2.0 kW
- Available in the HP (Heat Pump) version
- Cooling class A (on a range between A+++ and D)
- R32 refrigerant gas
- Floor installation
- Control display on the touch screen machine
- Remote control

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Auto function:** modulates the operating parameters in relation to the room temperature.
- **Sleep function:** gradually increases the set temperature and ensures reduced noise for better night-time well-being.
- **24 H timer**

DIMENSIONS AND WEIGHT



		UNICO EASY
A	mm	693
B	mm	276
C	mm	665
Weight	kg	34.4

TECHNICAL DATA			Unico Easy S2 HP
PRODUCT CODE			02527
EAN CODE			8021183025279
Cooling power (min/max)		kW	-
Heating power (min/max)		kW	-
Nominal cooling capacity (1)	Prated	kW	2,0
Nominal heating capacity (1)	Prated	kW	2,0
Nominal power consumption for cooling (1)	PEER	kW	0,8
Nominal absorption for cooling (1)		A	3,45
Nominal power consumption for heating (1)	PCOP	kW	0,7
Nominal absorption for heating (1)		A	3,00
Nominal energy efficiency index (1)	EERd		2,6
Nominal efficiency coefficient (1)	COPd		2,9
Energy efficiency class in cooling (1)			A
Energy efficiency class in heating (1)			B
Energy consumption in "thermostat off" mode	PTO	W	1,0
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	0,8
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0,7
Supply voltage		V-F-Hz	220/240-1-50
Supply voltage (min/max)		V	198 / 264
Power consumption in cooling mode (min/max)		kW	(-/1,045)
Absorption in cooling mode (min/max)		A	(-/5,55)
Power consumption in heating mode (min/max)		kW	(-/1,045)
Absorption in heating mode (min/max)		A	(-/5,55)
Maximum power consumption with electric resistance heating (min/med/max)		kW	-
Absorption with electric resistance heating (min/med/max)		A	-
Dehumidification capacity		l/h	2,2
Air flow rate in cooling environment (max/med/min)		m³/h	335/370/405
Air flow rate in heating environment (max/med/min)		m³/h	335/370/405
Air flow rate with electric resistance heating environment (min/med/max)		m³/h	-
External air flow rate in cooling (max/min)		m³/h	-/505
External air flow rate in heating (max/min)		m³/h	-/505
Internal ventilation speed			3
External ventilation speed			2
Diameter wall holes**		mm	162
Electric resistance heating (min/med/max)			-
Maximun remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	693 x 665 x 276
Dimensions (WxHxD) (with packaging)		mm	770 x 865 x 423
Weight (without packaging)		kg	34,4
Weight (with packaging)		kg	39,6
Internal sound power level (EN 12102)	LWA	dB(A)	60
Silent Mode sound pressure level		dB(A)	-
Degree of protection provided by covers			IPX0
Refrigerant gas*		Type	R32
Global warming potential	GWP		675
Refrigerant gas charge		kg	0,285
Maximum operating pressure		MPa	4,2
Power cable (N° pole x section mmq)			3 x 1,5

LIMITS OF OPERATING CONDITIONS		
Indoor ambient temperature	**Maximum temperature in cooling**	DB 32°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 -5°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
* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 675.
Energy efficiency classes refer to a range between A+++ and D.

UNICO TWIN [RFA]

Heat pump air conditioner without outdoor unit

TWIN TECHNOLOGY

Two units, connected by a cooling circuit, which can be used either simultaneously or separately.

PURE SYSTEM

Equipped with a multi-filtering system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against unpleasant odours).

HEAT PUMP

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

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

SYSTEM features

- Power: 2.6 kW for the master unit and 2.5 kW for the wall unit
- Independent or combined operation: if simultaneous operation is chosen, the two units share the available power and are forced to the minimum available speed
- Available in the version: HP (heat pump)
- Cooling class: A (on a range between A+++ and D)
- Coolant gas: R410A
- Equipped with a multi-filtration system, consisting of an electrostatic filter (with anti-dust function) and an activated carbon filter (effective against odours).
- Dual multi-function remote control

FUNCTIONS

- **Cooling, heating , dehumidification and ventilation**
- **Auto function:** modulates the operating parameters in relation to the room temperature.
- **Sleep function:** gradually increases the set temperature and ensures reduced noise for better night-time well-being.
- **24 H timer**

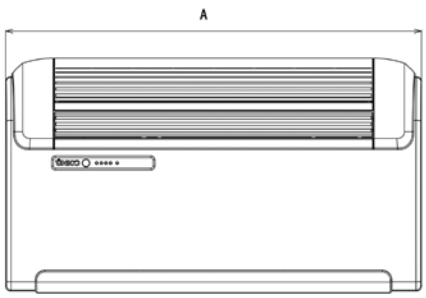
MASTER features

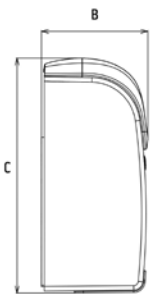
- Cooling capacity: 2.6 kW
- Capacity in HP (heat pump) function: 2.5 kW
- Installation versatility: Top or bottom wall installation.
- Ease of installation: Unico Twin is installed completely from the inside in a few minutes.
- Wide flap for a homogeneous diffusion of the air into the room.

WALL features

- Nominal cooling capacity: 2,5 kW
- Nominal heating capacity: 2,2 kW
- Sound power level: from 25 to 36 dB(A)

DIMENSIONS AND WEIGHT





		UNICO TWIN MASTER
A	mm	902
B	mm	229
C	mm	516
Weight	kg	40.5

TECHNICAL DATA			Unico Twin Master 30 HP RFA
PRODUCT CODE			02138
EAN CODE			8021183021387
Nominal cooling capacity (1)	Prated	kW	2,6
Nominal heating capacity (1)	Prated	kW	2,5
Nominal power consumption for cooling (1)	PEER	kW	0,9
Nominal absorption for cooling (1)		A	4,3
Nominal power consumption for heating (1)	PCOP	kW	0,8
Nominal absorption for heating (1)		A	3,5
Nominal energy efficiency index (1)	EERd		2,7
Nominal efficiency coefficient (1)	COPd		3,1
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	0,9
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0,8
Supply voltage		V-F-Hz	230-1-50
Supply voltage (min/max)		V	198 / 264
Maximum power consumption in cooling mode		W	1200
Maximum absorption in cooling mode		A	5,4
Maximum power consumption in heating mode		W	1080
Maximum absorption in heating mode		A	4,8
Dehumidification capacity		l/h	1,1
Air flow rate in cooling environment (max/med/min)		m³/h	490 / 430 / 360
Air flow rate in heating environment (max/med/min)		m³/h	450 / 400 / 330
Air flow rate in cooling environment (max/med/min)		m³/h	500 / 370 / 340
External air flow rate in heating (max/med/min)		m³/h	500 / 370 / 340
Internal ventilation speed			3
External ventilation speed			3
Diameter wall holes**		mm	162/202
Dimensions (WxHxD) (without packaging)		mm	902 x 516 x 229
Dimensions (WxHxD) (with packaging)		mm	980 x 610 x 350
Weight (without packaging)		kg	40,5
Weight (with packaging)		kg	44,0
Internal sound pressure (min/max) (2)		dB(A)	33-42
Degree of protection provided by covers			IP 20
Refrigerant gas*		Type	R410A
Global warming potential	GWP		2088
Refrigerant gas charge		kg	0,78
Power cable (N° pole x section mmq)			3 x 1,5

TECHNICAL DATA		Unico Twin Wall S1
PRODUCT CODE		
EAN CODE		
Nominal cooling capacity (1)	kW	2,5
Nominal heating capacity (1)	kW	2,2
Nominal power consumption for cooling (1)	kW	0,9
Nominal absorption for cooling (1)	A	4,2
Nominal power consumption for heating (1)	kW	0,7
Nominal absorption for heating (1)	A	3,2
Maximum power consumption in cooling mode	W	1200
Maximum absorption in cooling mode	A	5,4
Maximum power consumption in heating mode	W	1080
Maximum absorption in heating mode	A	4,8
Dehumidification capacity	l/h	1,0
Air flow rate in cooling environment (max/med/min)	m³/h	310 / 230 / 180
Air flow rate in heating environment (max/med/min)	m³/h	470 / 360 / 310
Internal ventilation speed		3
Dimensions (WxHxD) (without packaging)	mm	805 x 285 x 194
Dimensions (WxHxD) (with packaging)	mm	870 x 360 x 270
Weight (without packaging)	kg	7,5
Weight (with packaging)	kg	9,6
Internal sound pressure (2)	dB(A)	25-36
Degree of protection provided by covers		IP X1
Power cable (N° pole x section mmq)		3 x 1
Connecting liquid pipeline diameter	inch - mm	1/4 - 6,35
Connecting gas pipeline diameter	inch - mm	3/8 - 9,52
Maximum piping length	m	10
Maximum height difference	m	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 -10°C

Performance and optimal operation are guaranteed with units operating alternately.
* Equipment not hermetically sealed containing fluorinated gases with an equivalent GWP of 2088.
Performance is measured with 5 m gas pipes.
(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.
* Equipment not hermetically sealed containing fluorinated gases with an equivalent GWP of 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.
Energy efficiency classes refer to a range between A+++ and D.

Ease of installation

MASTER UNIT

Thanks to the practical template with two 202 mm holes included in the packaging, in minutes you can install, completely from the inside, the MASTER unit in the first room to be climate-controlled.

The MASTER unit is connected to the WALL unit, thanks to the refrigeration taps housed on the right-hand side of the unit. Maximum length of refrigerant lines of 10 metres. It is not possible to add gas beyond the pre-charge.

WALL UNIT

The WALL unit is installed on the wall, in the second room to be climate-controlled.

Accessories

Controls

B1029 **Wireless thermostat**

Wireless wall control with black and white display (wireless to Unico and equipped with OS Smart System app), complete with receiver to be installed on Unico. Battery operated. Equipped with temperature measurement. Please note: when paired with Unico Vertical-NK models, it is not compatible with the VMC B1031 kit.

Compatible with:

Unico Evo-F [PVA]	Unico Evo [EVANX]	Unico Vertical e Vertical-NK [EVAN]
Unico Evo [PVAN/EVAN]	Unico Pro [EVAN]	Unico Vertical e Vertical-NK [EVANX]

B1030 **IAQ wireless thermostat**

Wireless colour wall control (wireless to Unico and equipped with OS Smart System app), complete with receiver to be installed on Unico. Mains powered, can be installed on 503 electrical box and on round box. Equipped with temperature, humidity and internal air quality measurement (where the VMC B1031 kit is not installed, the IAQ and humidity functions of the B1030 control are read-only). Please note: mandatory control when paired with Unico Vertical-NK models with VMC B1031 kit.

Compatible with:

Unico Evo-F [PVA]	Unico Evo [EVANX]	Unico Vertical e Vertical-NK [EVAN]
Unico Evo [PVAN/EVAN]	Unico Pro [EVAN]	Unico Vertical e Vertical-NK [EVANX]

B1128 **Wireless relay**

To wirelessly control other generators or external electrical heating elements, based on the external temperature and the difference between the internal temperature and the set-point temperature.

Compatible with:

Unico Evo-F [PVA]	Unico Evo [EVANX]	Unico Vertical e Vertical-NK [EVAN]
Unico Evo [PVAN/EVAN]	Unico Pro [EVAN]	Unico Vertical e Vertical-NK [EVANX]

HRV

B1031 **HRV kit for Unico Vertical-NK integration**

Crossflow enthalpic heat recovery unit for air exchange, ducted extraction and delivery through Unico Vertical-NK delivery grille. Maximum flow rate at 100 Pa equal to 103 m3/h. Can be controlled in combination with Unico Vertical-NK from the Wireless IAQ control (code B1030).

Compatible with:

Unico Vertical-NK [EVAN]
Unico Vertical-NK [EVANX]

B0998 **Kit for 160mm grille for CMV installation**

Kit for holes with diameter 160 mm for CMV (code B1031) equipped with a pair of folding grilles d. 160mm, a pair of internal flanges d. 160mm, a pair of universal PP sheets.

Compatible with:

Unico Vertical-NK [EVAN]
Unico Vertical-NK [EVANX]

Built-in

B1032 **Kit for recessed wall installation Unico Vertical-NK**

Metal panel with delivery and extraction grille that can be used for built-in installations of Unico Vertical-NK.

Compatible with:

Unico Vertical-NK [EVAN]
Unico Vertical-NK [EVANX]

B1033 **Kit for recessed wall installation of Unico Vertical-NK e HRV**

Metal panel with delivery and extraction grille that can be used for built-in installations of Unico Vertical-NK combined with CMV kit (code B1031).

Compatible with:

Unico Vertical-NK [EVAN]
Unico Vertical-NK [EVANX]

Other

B0984 **Kit for preparing holes with a diameter of 200 mm**

Kit for preparing holes with a diameter of 200 mm equipped with a pair of 200mm folding grids, a pair of 200mm internal flanges, a pair of universal PP sheets, templates for each compatible model (there are no support brackets, which are included in the machine packaging).

Compatible with:

Unico Evo-F [PVA]	Unico Pro [EVAN]	Unico Twin [RFA]
Unico Evo [PVAN/EVAN]	Unico Vertical e Vertical-NK [EVAN]	
Unico Evo [EVANX]	Unico Vertical e Vertical-NK [EVANX]	

B0564 **Grille kit diameter 160 mm**

Pair of inside flanges Ø 160 mm, pair of outside folding grilles Ø 160 mm.

Compatible with:

Unico Evo-F [PVA]	Unico Pro [EVAN]
Unico Evo [PVAN/EVAN]	Unico Easy [S2]
Unico Evo [EVANX]	Unico Twin [RFA]

B0620 **Heating cable**

To prevent the formation of ice in the condensation trap for drainage (heating cable already standard on Unico Vertical).

Compatible with:

Unico Evo [PVAN/EVAN]	Unico Pro [EVAN]
Unico Evo [EVANX]	Unico Twin [RFA]

B0753 **200 mm rain cover kit**

To be installed on the outside wall to protect the holes (for installations in extreme weather conditions). Designed for ø 200 mm grilles. This product is available by special order only. The packaging contains 2 elements (1 for each hole).

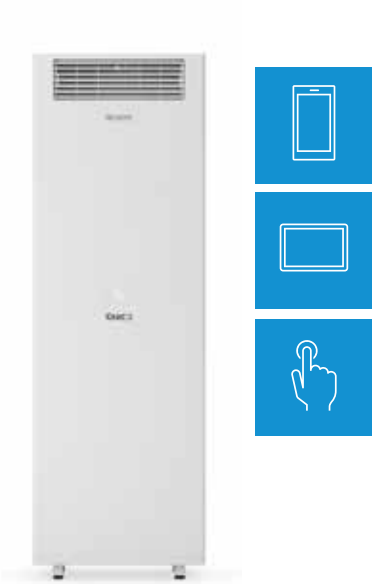
Compatible with:

Unico Evo-F [PVA]	Unico Pro [EVAN]
Unico Evo [PVAN/EVAN]	Unico Easy [S2]
Unico Evo [EVANX]	Unico Twin [RFA]

Wi-Fi Control

Control via smartphone and tablet for Unico air conditioners

Unico's heat pump air-conditioners without outdoor unit are easy to control, inside and outside the home, even from smartphones and tablets. To activate them and set the main functions, simply download the iOS or Android application compatible with your model or any installed controls (B1029 or B1030).



All applications allow one or more units installed in the house, display of the room temperature and setting of the main modes (cooling, heating, dehumidification, ventilation), as well as programming of the on/off timers.

Advanced control and optimisation features are available for certain apps: more details are available on the Olimpiasplendid.it website

OS Home
App available for models with integrated Wi-Fi.

OS Smart System
App available for models controlled via B1029 and B1030 thermostats.