

NEW

# UNICO PRO

Italian design by:



*Matteo Thun*  
MATTEO THUN & ANTONIO RODRIGUEZ

The most powerful, with inverter motor and R32 gas



## 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 (except when "ONLY COOLING" mode is set during installation).



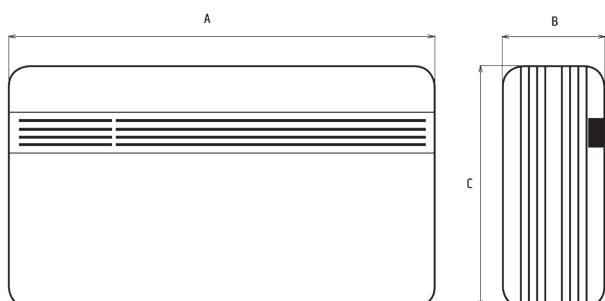
## FEATURES

- Two max power models: 3,4 kW and 3,5 kW
- Available in the HP version (heat pump). In the absence of the condensate 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+**
- 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
<b>PRODUCT CODE</b>			02238	02239
<b>EAN CODE</b>			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		
Nominal heating capacity (1)	Prated	kW		
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)				
Energy efficiency class in heating (1)				
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
Maximum 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	490 / 390 / 350	490 / 390 / 350
Air flow rate in heating environment (max/med/min)		m³/h	490 / 390 / 350	490 / 390 / 350
Air flow rate with electric resistance heating environment		m³/h	-	-
External air flow rate in cooling (max/min)		m³/h	600/120	600/120
External air flow rate in heating (max/min)		m³/h	600/120	600/120
Internal ventilation speed			3	3
External ventilation speed			6	6
Diameter wall holes**		mm	162 / 202	162 / 202
Electric resistance heating			-	-
Maximum 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)		
Silent Mode sound pressure level		dB(A)	34	34
Degree of protection provided by covers			IP 20	IP 20
Refrigerant gas*		Tipo	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 mm²)			3 x 1,5	3 x 1,5

**CONDIZIONI LIMITE DI FUNZIONAMENTO**

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: 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 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.