

e-NextPro

Air-To-Air Split System



**> now the air
becomes electric.**

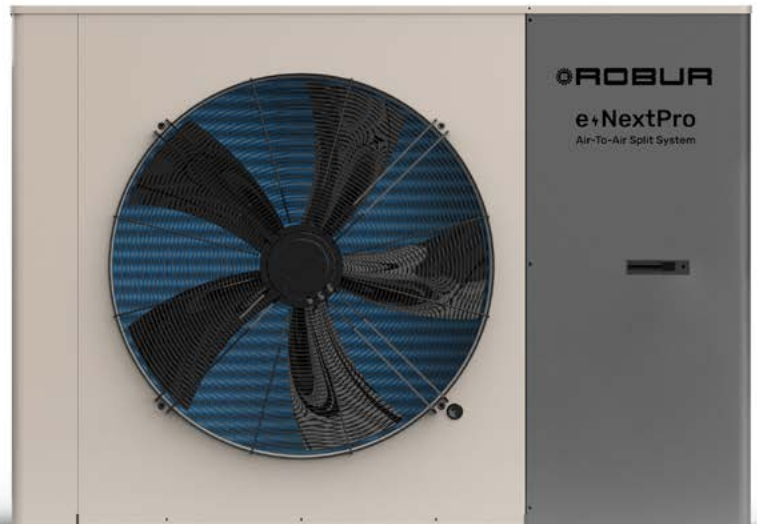
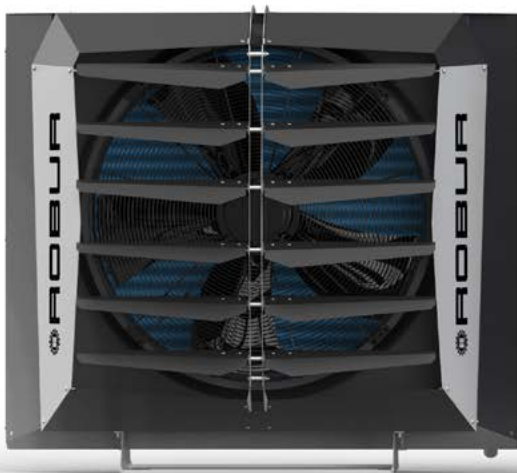
Introducing Robur e-NextPro. Air-to-Air Split System.

Robur's line of heating and cooling systems for the industrial, craft and commercial sectors welcomes a new entry.

e-NextPro is a fully integrated heating and cooling system for large industrial and retail spaces that maximises efficiency with no need for a hydraulic circuit. The perfect solution to comply with the new regulations for increased use of renewable energy, designed to make the most of your photovoltaic system.

**Environmental sustainability with
renewable energy.**

100% Made in Italy.



**Maximum performance for
summer cooling, combined with
photovoltaics.**

**Massive savings in summer and winter,
even at temperatures as low as -25 °C.**

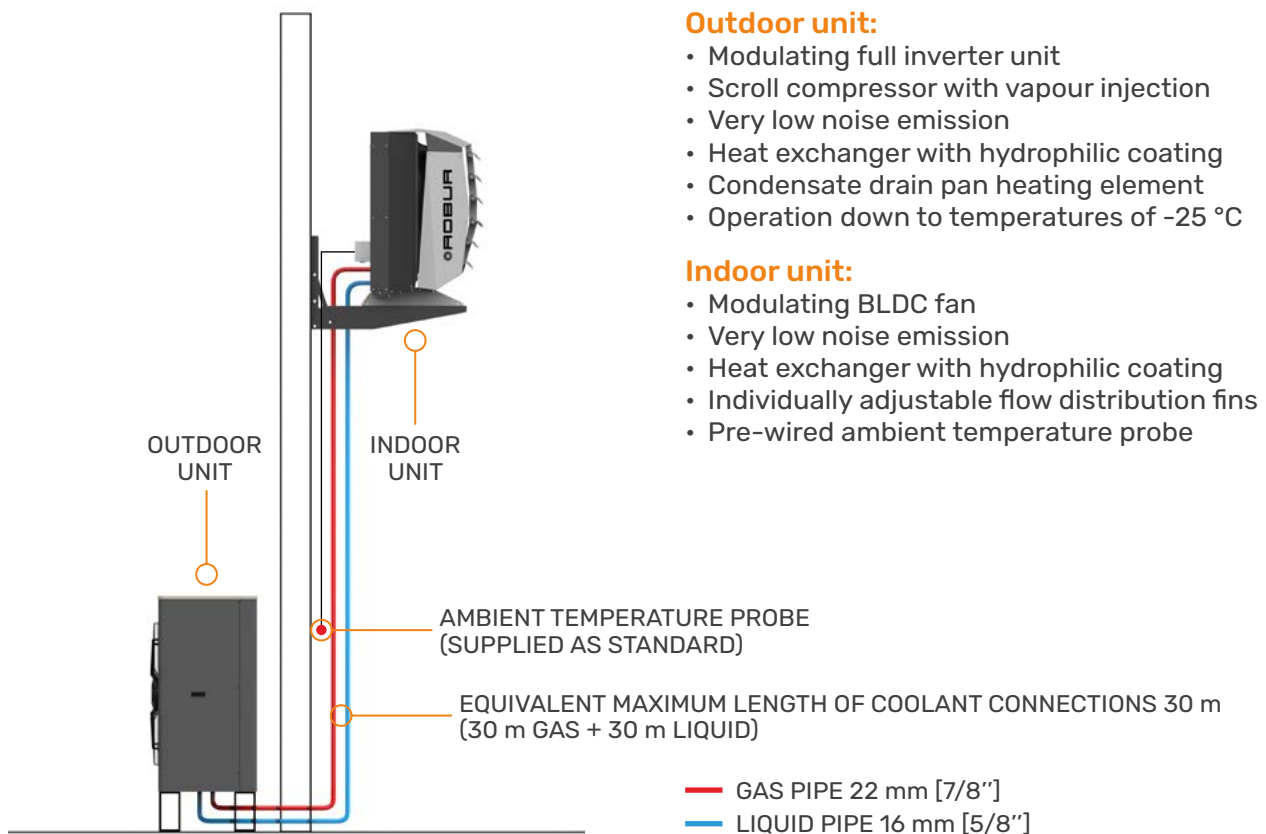


Industrial heating and cooling.

e-NextPro consists of a direct expansion outdoor unit and a wall-mounted indoor unit fitted with an axial fan. This effective and efficient design optimises comfort in both summer and winter, thanks to the modulation of the outdoor and indoor units, for maximum comfort and minimum acoustic impact.



Installation. Easy like e-NextPro.

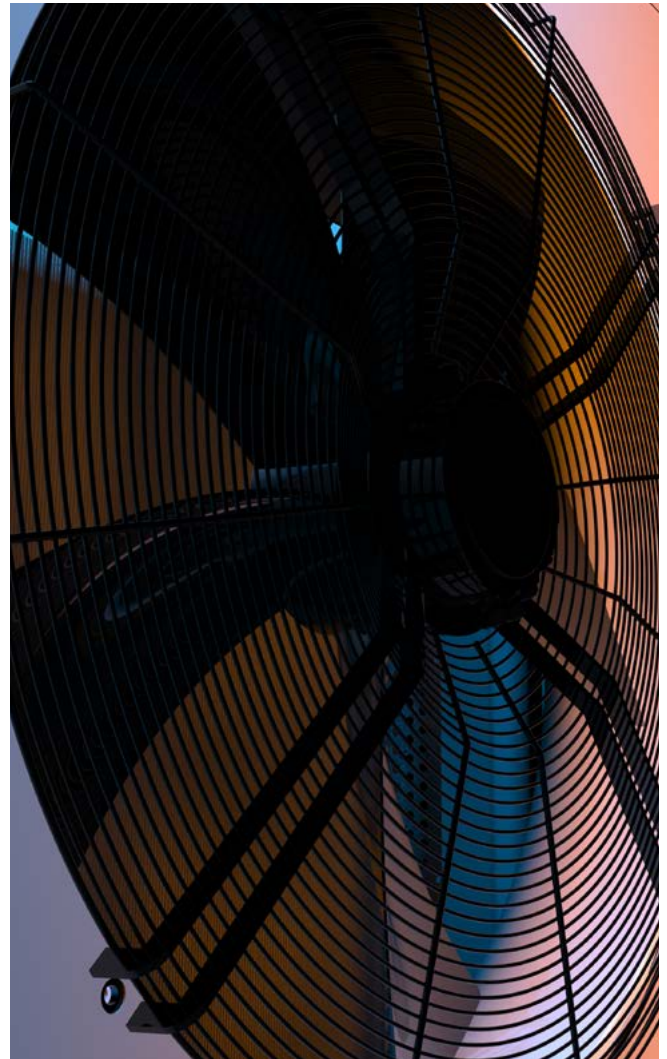
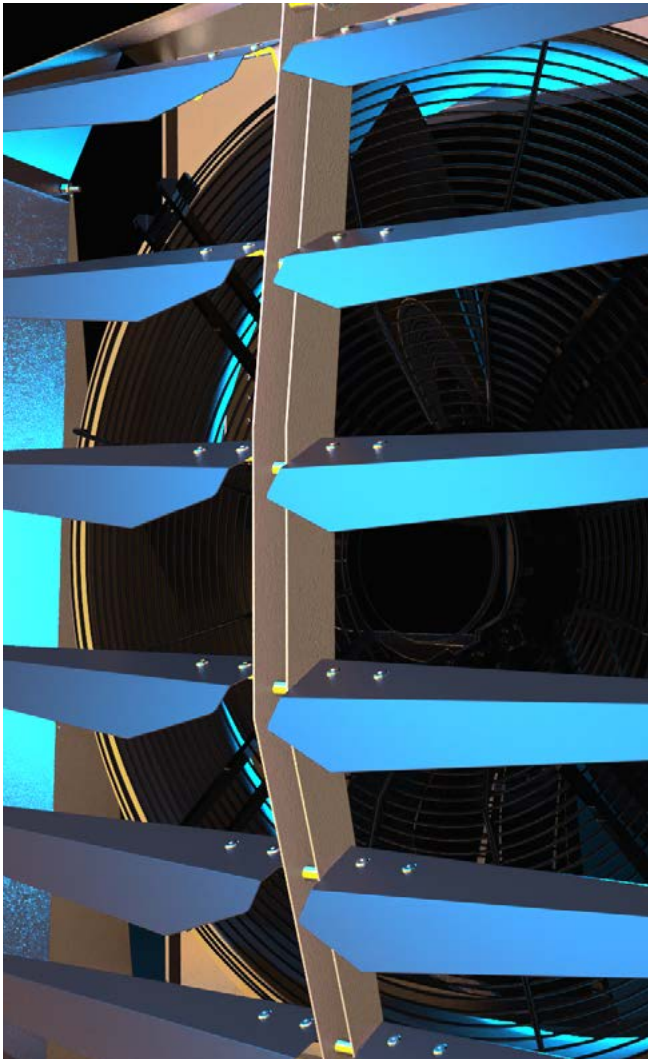


In combination with photovoltaic plants? Score A+++

Photovoltaic systems are mandatory in new buildings, and are increasingly being installed on industrial sites. There is a growing demand for cooling systems based on electrical appliances: in summer your solar panel array provides a large quantity of renewable electricity. The electricity-based e-NextPro technology is perfect with solar energy, delivering high efficiency and optimal performance, virtually eliminating the cost of cooling in the warmer months.

Thermal comfort. And acoustic comfort.

The outdoor unit is fitted with a large-diameter, low-speed axial fan, making it extremely quiet: 38 dB(A) at a distance of 5 meters. The indoor unit is fitted with a special electronically controlled (EC) axial fan to minimize the acoustic impact in the environment where it is installed, ensuring optimal acoustic comfort and well-being, even with intense use.



Technical data e-NextPro 40.

OUTDOOR UNIT

Nominal heat output	outdoor temperature/indoor temperature A7/A20	kW	39
	outdoor temperature/indoor temperature A-7/A20	kW	32
COP	outdoor temperature/indoor temperature A7/A20		4,45
	outdoor temperature/indoor temperature A-7/A20		3,20
Nominal cooling output	outdoor temperature/indoor temperature A35/A27	kW	35
EER	outdoor temperature/indoor temperature A35/A27		4,02
Electrical power consumption	maximum	kW	12
Electrical power supply		V/ph/Hz	400/3/50
Operating temperature	winter heating	°C	-25/35
	summer cooling	°C	18/46
External fan	type		inverter
	maximum air flow	m ³ /h	15.000
	nominal diameter	mm	910
Sound power		dB(A)	60,2
Compressor			scroll inverter vapor injection
Refrigerant type			R32
Refrigerant GWP			675
Refrigerant quantity ⁽¹⁾		kg	7,4
Coolant connections diameter	gas	mm (")	22 (7/8")
	liquid	mm (")	16 (5/8")
Equivalent maximum length of coolant connections ⁽²⁾		m	30
Dimensions	L x P x H	mm	1.791 x 641 x 1.257
Weight	gross	kg	300
	in operation	kg	270
Number of indoor units to connect		n.	1

INDOOR UNIT

Fan type	axial	-	inverter BLDC
Maximum air flow		m ³ /h	6.000
Fan nominal diameter		mm	800
Sound power		dB(A)	59,6
Dimensions	L x P x H	mm	1.253 x 825 x 1.139
Weight	gross	kg	130
	in operation	kg	110

⁽¹⁾ Appropriate quantity for coolant connections with a maximum length of 10 m. More refrigerant will be needed if the pipe is longer than this.

⁽²⁾ Please contact the Robur Technical Consultancy Service for information about the equivalent pressure drops of elbows, siphons, and differences in height between units.

N.B.: preliminary technical data may be subject to modification.

Applications



Industrial



Warehouses and large material storage spaces



Commercial spaces



Craft workshops



Sports facilities

Highlights

- **Single solution for heating and cooling** large industrial and commercial spaces
- 39 kW thermal and 35 kW cooling **direct expansion air-to-air heat pump**
- **Maximum comfort in both summer and winter:** up to outdoor temperatures of -25 °C
- **Perfect with photovoltaics:** self-consumption of energy for cooling at zero cost
- **Energy saving and environmental sustainability:** comparable to energy class A+++
- **Silent:** low-speed inverter fan for maximum acoustic comfort
- **Inverter scroll compressor** with vapor injection for high efficiency at low outdoor temperatures
- Condensate drain pan **heating element**

Unit controls

PGD digital



- 3-level temperature ambient set point control
- Temperature differential control
- Time programming
- Alarm warning via display
- Event logging
- Modification of configuration parameters

RCC digital remote



- 7" colour touch screen display
- 3-level set point control for the 2 functions (heating and cooling)
- Time programming
- Manual or programmed operation
- Monitoring the operation of heat pump and connected sensors
- Connect with the Cloud for remote monitoring
- User-friendly graphic interface

Centralized multi RCC



- 15.6" colour touch screen display
- Control of up to 15 e-NextPro units
- Display of all connected units
- Set point control of all areas served
- Connect with the Cloud for remote monitoring

Accessories

The e-NextPro offer is completed with a range of accessories to facilitate installation and use:

- Wall mounting support brackets for outdoor unit
- Supports for outdoor unit
- Wall mounting support brackets for indoor unit



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