OLIMPIA SPLENDID
HOME OF COMFORT

ITALIAN COMPANY
SINCE 1956

INTEGRATED SYSTEMS AND AIR CONDITIONING

Catalogue 2023

EN

Olimpia Splendid. Home of Comfort

Home is synonymous with comfort: a simple equation that we are committed to ensuring, in every season and in every country in the world, offering innovative, safe and sustainable solutions, all with an exceptionally high-level aesthetic finish.

About us

Olimpia Splendid is an Italian company that, since 1956, has been designing, manufacturing and marketing products for Air Conditioning, Heating and Air Treatment. The **Home of Comfort** payoff describes our commitment to creating innovative, environmentally friendly products with an unmistakable Made in Italy design. Our goal is to satisfy, in every season, the needs of our customers worldwide. **Comfort at Home** is the result.

Italian company since 1956

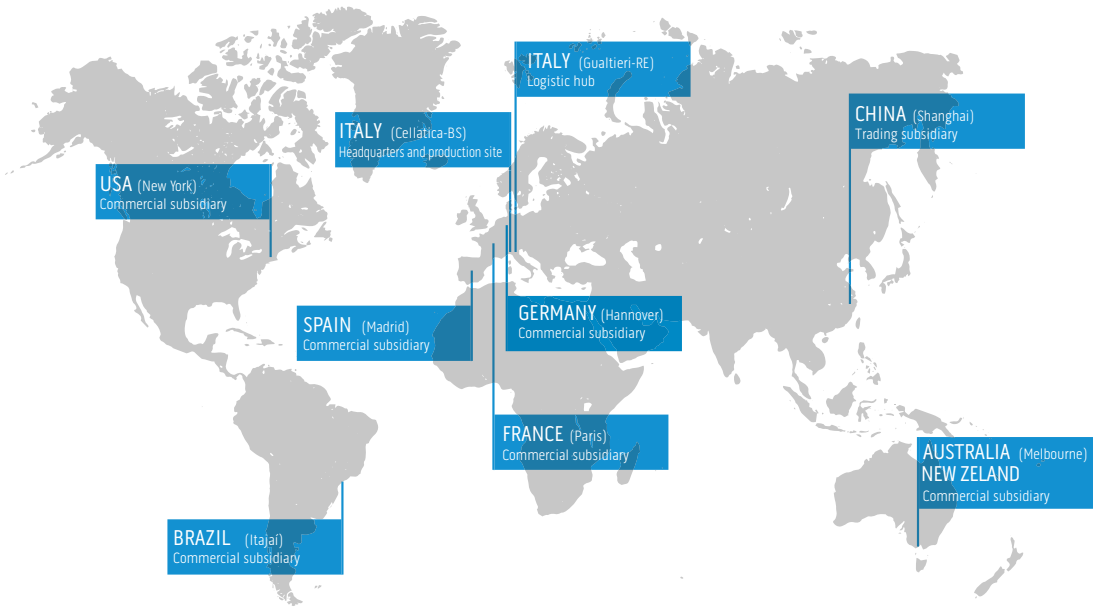
Every Olimpia Splendid product was born in the Brescia headquarters, where the R&D centre, 100% Italian, represents the beating heart of all the innovations and the rigorous mind that studies, tests and refines every project.

With the help of state-of-the-art modelling software and in-house test labs – equipped with 3D printers, calorimetric chambers, anechoic chambers, as well as with long-term durability test chambers – our team of engineers and designers follows the development of the Olimpia Splendid solutions, going beyond the regulations and standards. To ensure, throughout the entire life cycle of the product, only the best performance, always.

International brand

Olimpia Splendid is a group with an international vocation. Because we seek, through a direct presence in the markets, to always be closer to the needs of our customers.

The international dimension of Olimpia Splendid is represented by the offices of the 7 foreign commercial branches, as well as by the widespread network of distributors that extends throughout more than 50 countries worldwide. The export sector, which already accounts for 50% of the group's total turnover, is a component of the constantly growing revenues.



Goal 2040: carbon neutrality

Due to ongoing climate change, the demand for indoor air conditioning solutions is now growing rapidly and, as such, manufacturing companies are revolutionising technologies and processes in order to meet new environmentally friendly home requirements. As a home comfort brand, we have defined the cornerstones of our sustainability plan and made an official commitment to halve Olimpia Splendid's carbon footprint by 2030 and achieve carbon neutrality by 2040, 10 years ahead of the European Green Deal. An important goal that we can achieve by taking care of the climate in the home together with that of the planet.

Technology

Our air conditioning systems are heat pump versions - the most efficient technology on the market today. Fully electric, they create the right comfort in all seasons by optimising consumption and make use of renewable sources. **For an ideal climate at home and on the planet.**

Factory

Our production facility in Franciacorta is powered by 50% self-produced energy and is highly efficient. In 2021, we reduced the intensity of our energy consumption and increasing production. **Producing more while respecting the environment is possible.**

People

In our company, every goal is shared and the path towards carbon neutrality involves the active and proactive participation of the entire workforce. **Contributing towards building a better future is part of our mission.**

Lifecycle

We analyse the environmental footprint of the products, select the refrigerants with the lowest impact on the greenhouse effect, use materials that can be easily recycled and study solutions to prolong product durability. **Our commitment to the environment is never ending.**

ONLINE SERVICE

Download Area

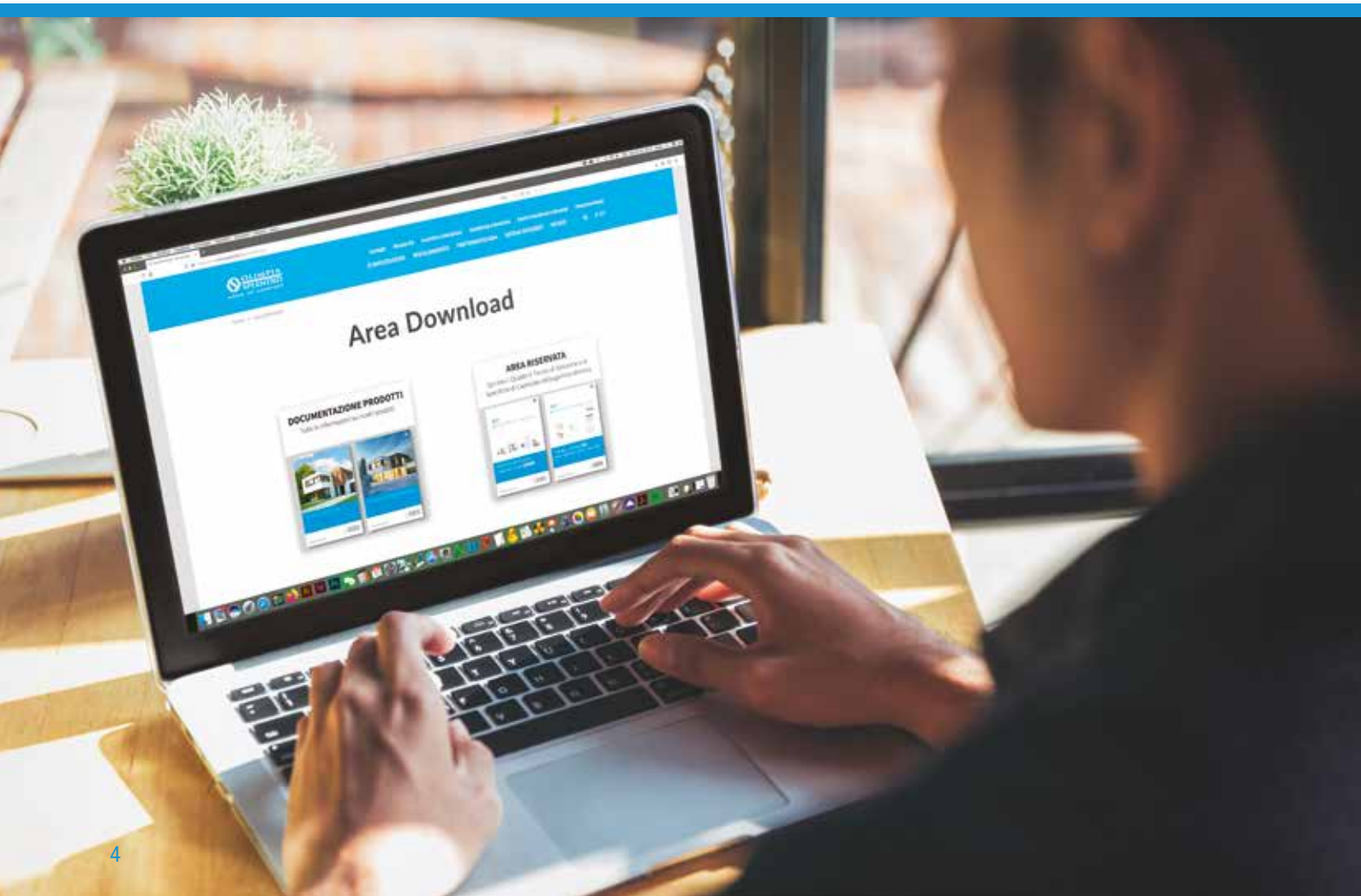
All of the documentation necessary for installation and operation of our machines can be found in the download section of our website www.olimpiasplendid.com

Private Documentation

Do you need performance data and specifications related to heat pumps and plant terminals? Access the reserved area for all necessary information.

Products Documentation

Should you need additional information regarding our products, consult the "Products Documentation" section.
Here, you will find energy labels, templates and installation manuals and product catalogues.



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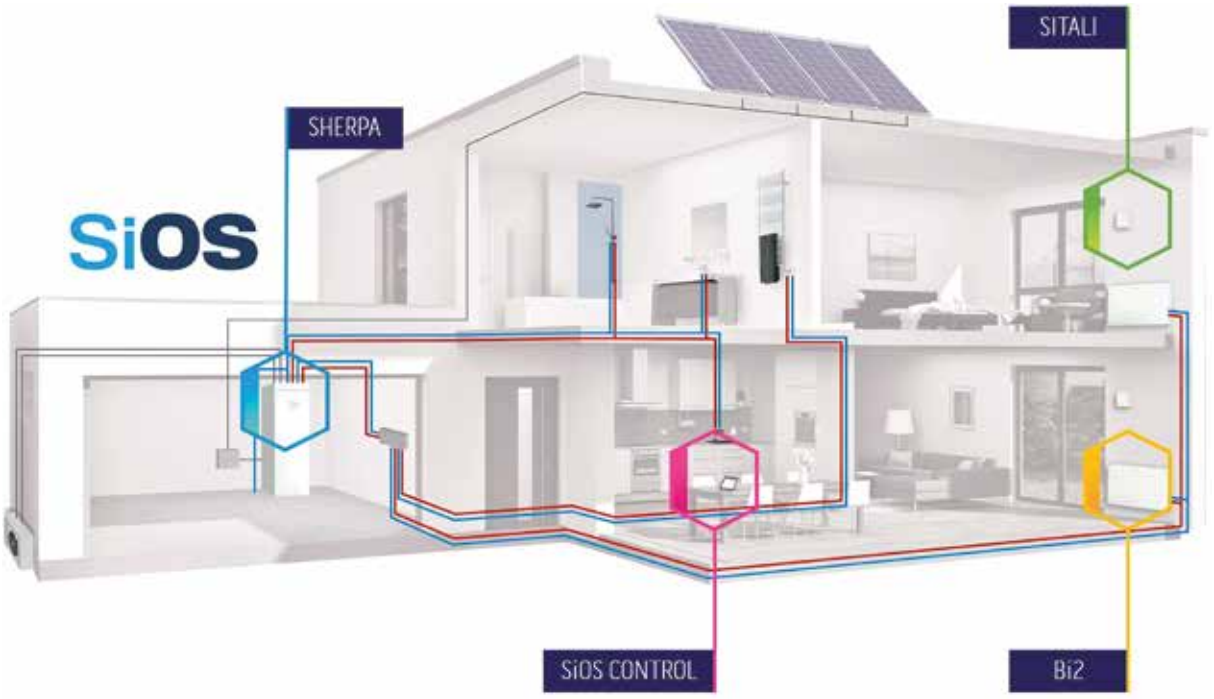
INTEGRATED SYSTEMS

Olimpia Splendid integrated systems

The next generation plant for low-consumption buildings and energy requalification



A yearlong cycle of climate control

The Integrated Systems Olimpia Splendid deliver heating, cooling, dehumidification, air treatment and the production of domestic hot water. Everything necessary for home comfort, 365 days a year, all included in a single plant: simple, efficient, integrated.

The plant solution of Olimpia Splendid simplifies the design and installation operations, as well as the use and maintenance interventions of all the products for home comfort. The generators have high energy efficiency and the fan coil units have high performance, for complete indoor comfort that also has an eye on consumption. Moreover, thanks to the building management system, SiOS Control, the management is total and integrated.

Plant operation

LOW-TEMPERATURE RADIATION

VENTILATED HEATING

COOLING

DEHUMIDIFICATION

AIR FILTERING

DHW UP TO 75°C

AIR EXCHANGE

MOULD PREVENTION

REMOTE PLANT SUPERVISION

Heat pumps, for maximum efficiency

The evolution of buildings and their envelopes has also determined a change in the new plants. Heat pumps are increasingly becoming the protagonists of the plant as the sole generator, able to optimise energy consumption and promote the use of renewable energy sources.

Olimpia Splendid offers a range of solutions that are specific for every climate, distinguished by their extremely high energy efficiency (up to A+++) and maximum reliability, thanks also to a patented technology for the simultaneous production of comfort and DHW up to 75°C.

Radiant fan coil units as new plant terminals

The radiant fan coil units offer year-round comfort (heating and cooling) that can be compared to that of floor heating, with always lower installation costs and a more economical management of the plant in the warmer climate zones.

First company to introduce slim and ultraslim radiant fan coil units on the market, specifically for residential plants, Olimpia Splendid still today stands out in the segment for a range of solutions entirely designed and manufactured in Italy and with a patented radiant technology, which allows the static operation of the machine during heating, for complete absence of noise.

HRV for improved indoor quality of air

With the evolution of building envelopes, air exchange and air treatment have become necessary for the correct maintenance of the quality of air of indoor settings. Should the simple opening of windows not be possible or sufficient, the solutions of Heat Recovery Ventilation offer a valid support.

Olimpia Splendid offers decentralised solutions, for simplified installation, or centralised as part of a renovation or new build. All equipped with brushless EC motors, with reduced energy consumption, Olimpia Splendid's HRV units are fitted with heat recovery units to transfer energy from the air extracted from indoor environments to the fresh air supplied from outside, limiting the activation of the air-conditioning system and improving the building's energy performance.

BMS for the centralised management of the plant

The centralised management of the plant allows optimisation and greater efficiency according to our habits and ways of living in our buildings.

SiOS Control is the Building Management System by Olimpia Splendid that allows a simple, intuitive and customisable management of the plant. It is possible to control the individual components: heat pump, fan coil units, floor heating, towel warmers and HRV. The management can take place either on site or remotely, through the web platform (Cloud) or mobile application

SHERPA AQUADUE

Multi-purpose air water heat pumps

SHERPA

Traditional air water heat pumps

SHERPA COLD

Air water heat pumps for cold climate

SHERPA MONOBLOC

Monobloc air water heat pumps

SiO

Olimpia integrated

SHERPA SHW

Water heater in heat pump

SiOS CONTROL

Central system management, locally or remotely

OS®

Splendid systems

SITALI

Decentralised and centralised HRV

Bi2 WALL

High wall fan coil units

Bi2 AIR

Fan coils units with integral design

Ci2 WALL

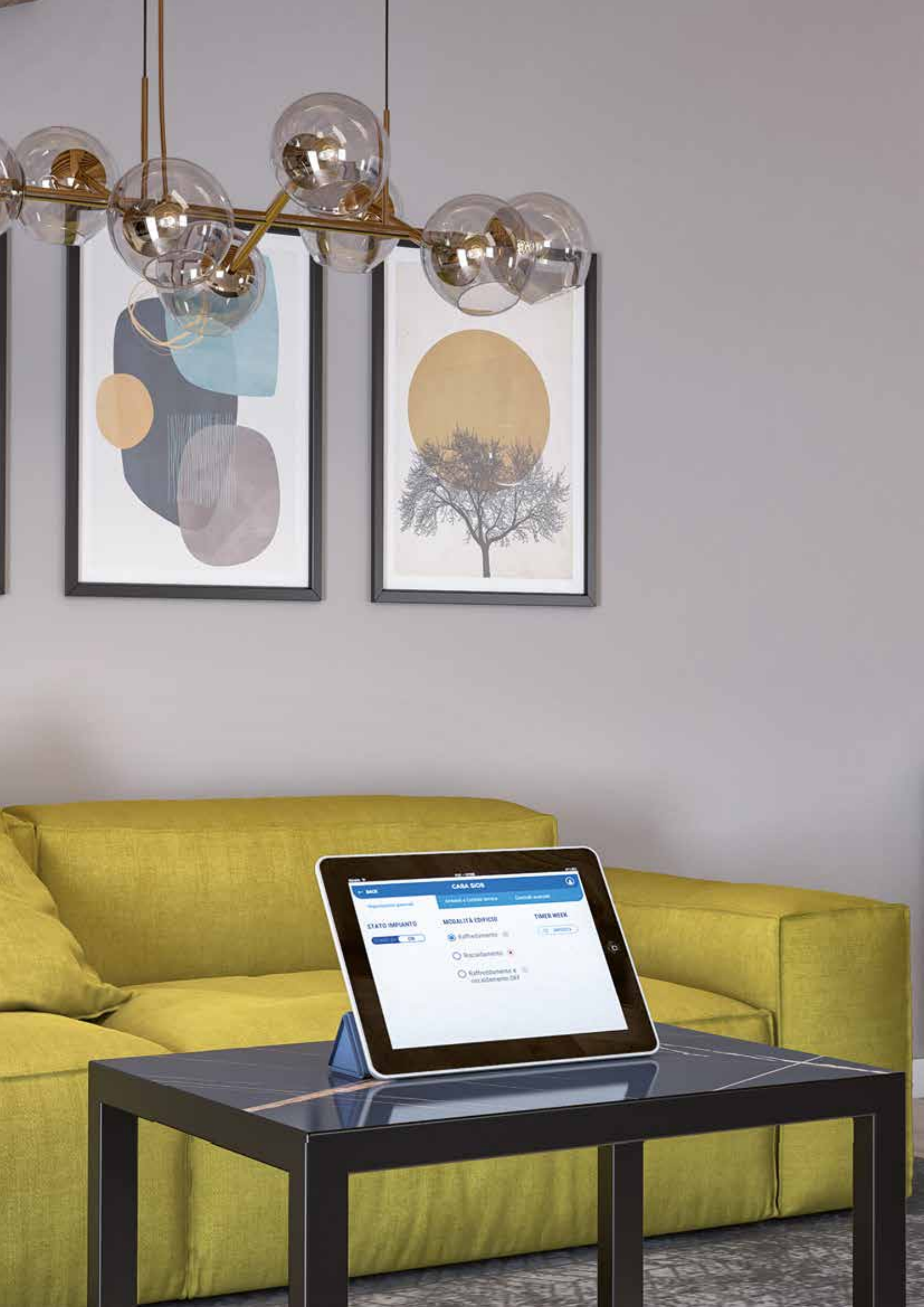
High wall fan coil units

Bi2 SMART

Total flat fan coil units

Bi2 NAKED

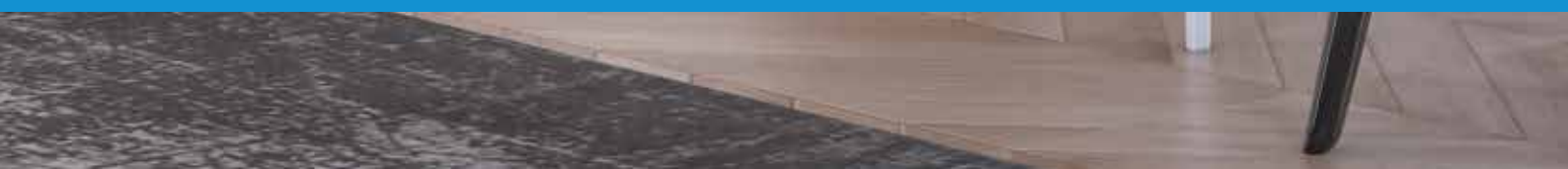
Recessed fan coil units


CASA SIOR
STATO IMPIANTO
MODALITÀ ESERCIZIO
TIMER WEEK

SiOS®
CONTROL

BMS

The Building Management System by Olimpia Splendid



SiOS CONTROL

Central system management, locally or remotely

Complete and intuitive

SiOS Control is the BMS (Building Management System) by Olimpia Splendid that allows simple management of the plant for heating, cooling, air treatment and domestic hot water. Through an intuitive graphical interface, that can be customised based on the characteristics of each environment, you can control individual system components: heat pumps, fan coil units, floor heating, towel warmers and HRV, from both the Olimpia Splendid range and other manufacturers*. For a truly complete control. Furthermore, with SiOS Control, you can even manage things remotely, through the web (Cloud) platform or a mobile application. Complete, intuitive and smart.

What can it manage?

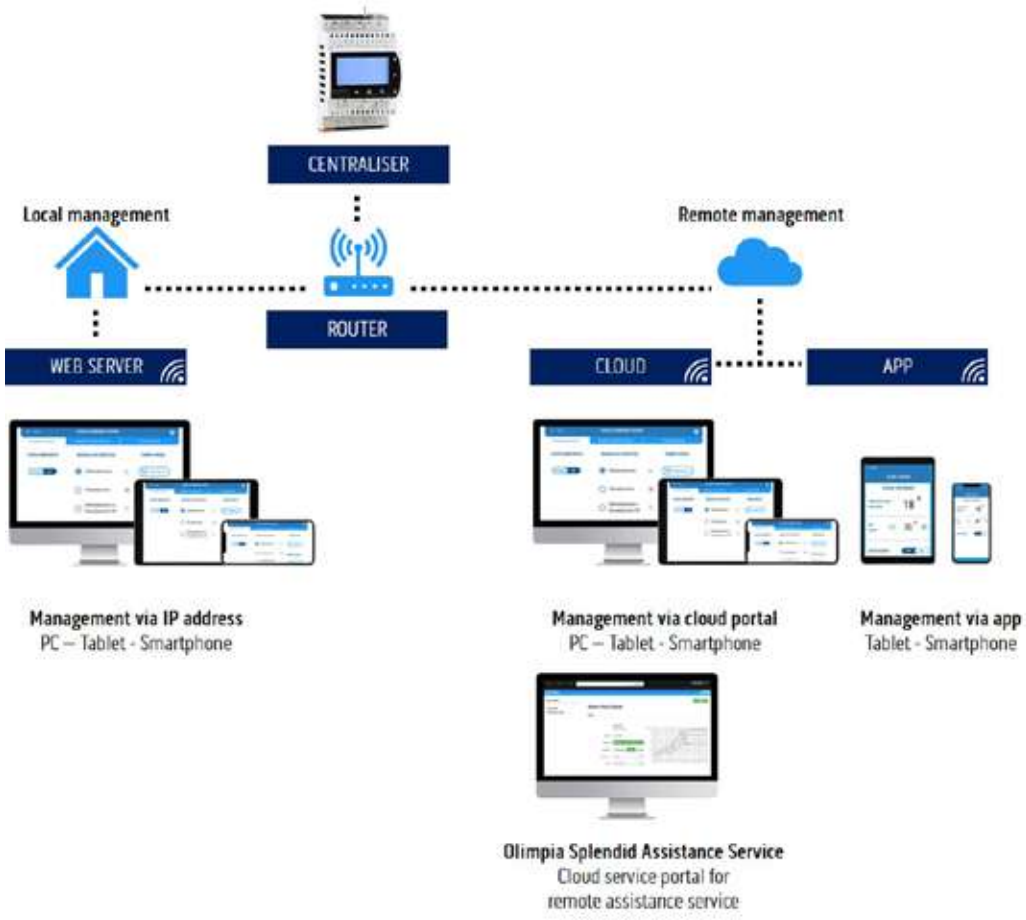
Sherpa range of heat pumps or third-party generators*

Bi2 and Ci2 range of fan coil units **

Sitali HRV range or third-party HRV*

Radiant floor (heat. and cool.) and towel warmer

How does it work?



*Requires prior check for compatibility

** Opto-coupler card + relay with power supply required, check details on the technical manual for specific characteristics.

Type of control

DIRECT ZONE:
- up to 60 Bi2 fan coil units and relative controls (divided up to a maximum of 15 independent environments, inclusive of direct zone and mixed zone);
- 1 heat pump from among Sherpa S2/S3, Sherpa Aquadue S2/S3, Sherpa Tower S2/S3, Sherpa Aquadue Tower S2/S3and Sherpa Monobloc S1/S2 E (or other third-party generators)*;
- up to 4 towel warmers, with relative thermostats;
- up to 4 Ci2 wall fan coil units**;
- 1 direct zone circulator output;
- 1 outdoor air temperature probe.

MIXED ZONE:
- 2 mixed zone circulator outputs;
- 2 mixer valve outputs;
- 2 dehumidifier circulator outputs;
- 2 mixed zone water temperature probes;
- Up to 15 independent environments (inclusive of direct zone and mixed zone) with radiant floor plant for heating and cooling.

HRV:
- 1 group outlet for Sitali (or other third-party HRV)*.

Simplified installation

Easy installation through a first guided configuration to be able to customise SiOS Control both to the characteristics of the plant and to those of the building in which it will be installed.

Customised environments

Possibility of creating customised environments in order to reproduce the layout of each individual building. Possibility of creating up to 15 total environments between direct zone (fan coil units) and mixed zone (radiant floor). Possibility of naming the environments and assigning dedicated icons to them.

Comfort management for every season

SiOS Control can manage cooling, heating, domestic hot water and air treatment. The intuitive graphic interface with icons changes colour based on the functions of the plant and whether or not the various environments are active or shut off.

Timer with scenarios

SiOS Control has weekly timers. It manages up to 4 timers and each individual timer can be set with 6 daily time ranges. For each time range there are 5 scenarios available. Economy, Comfort, Night are the pre-set scenarios, while the 2 Individual scenarios can be set directly by the user.

Simplified settings

With SiOS Control the user can change the water set point +/- 5°C, for greater flexibility of comfort control, avoiding changing the parameters set by the service centre on the heat pump.

* Requires prior check for compatibility
** Opto-coupler card + relay with power supply required, check details on the technical manual for specific characteristics.
NOTE 1: The application for Tablets and Smartphones allows simplified management of the functions and is limited to the control of a maximum of 10 independent rooms.

MANAGEMENT

Only local management

Connecting the B0858 central control unit to an Access Point by means of a network cable, it is possible to manage SiOS Control remotely in the local Wi-Fi, through PCs, Tablets, Smartphones and a common internet browser.

Remote management (also local)

Connecting the B0858 central control unit to an internet router by means of a network cable, it is possible to manage SiOS Control remotely through the cloud, through PCs, Tablets, Smartphones and a common internet browser. In addition, for a simplified remote management, the SiOS Control App is available that assumes the main functions.

The remote use requires a two-year subscription.

Remote assistance

The Olimpia Splendid Service Centre, through the Cloud, will be able to carry out assistance to the plant and its machines even remotely, for a faster and more efficient service in case of plant problems or alarms.

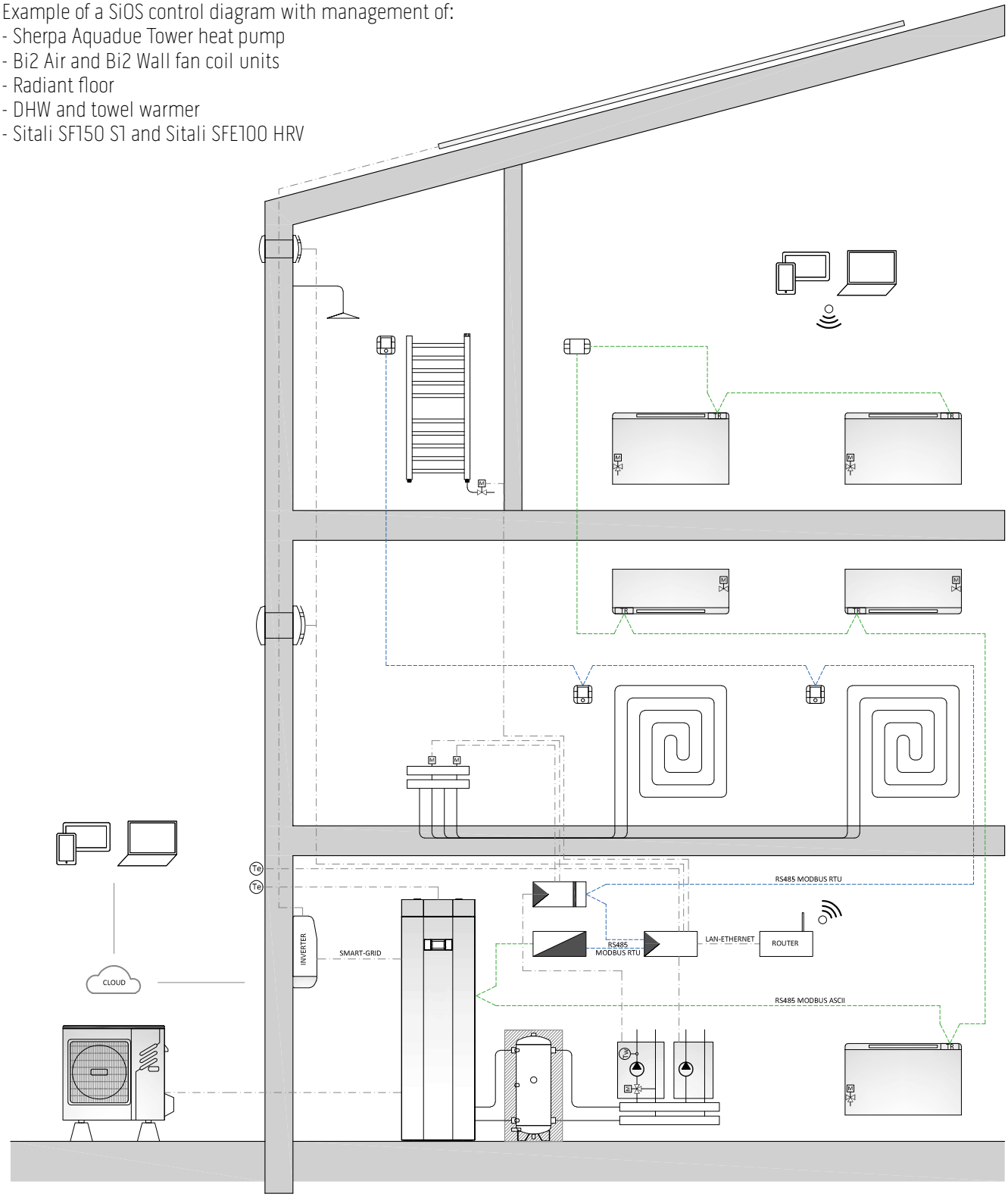
COMPONENTS

	CODE	DESCRIPTION
	B0858	**Control centraliser** The centraliser is the component necessary for all SiOS Control installations. It features a touch display, an output for the network cable and Modbus RTU 0-10V outputs, as well as relays for the various system components.
	B0859	**Expansion unit kit** Expansion module necessary to control installations with mixed water zones. A single expansion controls up to 4 environments.
	B0860	**Wall ambient T-H probe kit** Wall thermostat necessary to control installations and/or environments with floor heating zones (hot and/or cold) and/or towel warmers. Shows the temperature and relative humidity.
	B0861	**Built-in ambient T-H probe kit** Built-in thermostat necessary to control installations and/or environments with floor heating zones (hot and/or cold) and/or towel warmers. Shows the temperature and relative humidity.
	B0862	**Water temperature probe kit** Water temperature probe necessary for installations with mixed water zones.
	B0863	**RTU-ASCII fan coil signal converter kit** RTU-ASCII converter required for those installations where there are direct water zones (recommended to use one for every 50 fan coil units and no more than 500 meters of communication line).
	B0623	**Outdoor air temperature probe kit** Shielded probe to measure the outdoor air temperature

The transformers required to power the individual devices, as indicated in the manuals and installation diagrams of SiOS Control, are not included in the Olimpia Splendid supply.

SYSTEM DIAGRAMS

Example of a SiOS control diagram with management of:
- Sherpa Aquadue Tower heat pump
- Bi2 Air and Bi2 Wall fan coil units
- Radiant floor
- DHW and towel warmer
- Sitali SF150 S1 and Sitali SFE100 HRV



Note: the diagram only has the purpose of illustrating the system, for all the characteristics and connections, refer to the relative installation manuals

Legend:

	B0858	SiOS CENTRAL CONTROL UNIT
	B0859	EXPANSION UNIT KIT
	B0860	WALL AMBIENT T-H PROBE KIT
	B0861	BUILT-IN AMBIENT T-H PROBE KIT
Tw	B0862	WATER TEMPERATURE PROBE KIT
	B0863	RTU-ASCII FAN COIL SIGNAL CONVERTER KIT
Te	B0623	OUTDOOR AIR TEMPERATURE PROBE KIT

SHERPA

HEAT PUMPS

Innovative and specific solutions for each climatic zone

Specific solutions for each European climate

To achieve maximum efficiency and reliability in every project

Warm climatic zones, Average and Cold

The relevant European regulations identify, within the reference territory, 3 different climatic zones, in which the project temperatures relating to indoor comfort systems are profoundly different. A comparative study commissioned by Olimpia Splendid has shown how each of these climates determines a different distribution of the thermal and cooling load inside buildings and a specific behaviour of the heat pumps.

Specific configurations to maximise efficiency and comfort

To optimize the efficiency and output power of the heat pumps according to the external temperature, Olimpia Splendid offers the possibility to choose between different types of heat pumps, specially designed for the reference European climates.

Aquadue patented technology

Innovation that ensures simultaneously comfort and DHW

Double refrigerantion circuit

In Olimpia Splendid heat pumps equipped with Aquadue technology, the two interconnected cooler cycles make it possible to make the heating/cooling independent from the DHW production, allowing it to operate in parallel. A feature that avoids interruptions in the provision of home comfort.

Domestic Hot Water up to 75°C

The double refrigerantion circuit present in the Aquadue models also allows the production of DHW at a high temperature (up to 75°C), regardless of the external climatic conditions. Thus it is possible to reduce the volume of the storage tank up to 30% and to avoid highly energy-intensive anti-legionella cycles (normally carried out with the use of electric heating elements).

Coverage of the renewable quantity for the production of DHW

Thanks to the efficient management of heat, Aquadue technology facilitates the achievement, in buildings with a high energy class, of the coverage quantities from renewable energy without the installation of additional devices.

Split system heat pump range

Production of comfort and DHW

SINGLE-PHASE

	4	6	8	10
SHERPA AQUADUE S2 Multi-purpose heat pumps **Download** Technical data sheet for the entire S2 range				
Outdoor units	UE Sherpa S2 E 4 (02001)	UE Sherpa S2 E 6 (02002)		
SUSPENDED VERSION	UI Sherpa Aquadue S2 E Small (02042)			
TOWER VERSION	UI Sherpa Aquadue Tower S2 E Small (02044)			
	A+++	A+++	A+++	A+++
SHERPA S2 Traditional heat pumps **Download** Technical data sheet for the entire S2 range				
Outdoor units	UE Sherpa S2 E 4 (02001)	UE Sherpa S2 E 6 (02002)		
SUSPENDED VERSION	UI Sherpa S2 E Small (02040)			
TOWER VERSION	UI Sherpa Tower S2 E Small (02046)			
	A+++	A+++	A+++	A+++
SHERPA AQUADUE S3 Multi-purpose heat pumps				
Outdoor units NEW	UE Sherpa S3 E 4 (02284)	UE Sherpa S3 E 6 (02285)	UE Sherpa S3 E 8 (02286)	UE Sherpa S3 E 10 (02287)
SUSPENDED VERSION NEW	UI Sherpa Aquadue S3 E Small (02296)			
TOWER VERSION NEW	UI Sherpa Aquadue Tower S3 E Small (02298)			
	A+++	A+++	A+++	A+++
SHERPA S3 Traditional heat pumps				
Outdoor units NEW	UE Sherpa S3 E 4 (02284)	UE Sherpa S3 E 6 (02285)	UE Sherpa S3 E 8 (02286)	UE Sherpa S3 E 10 (02287)
SUSPENDED VERSION NEW	UI Sherpa S3 E Small (02294)			
TOWER VERSION NEW	UI Sherpa Tower S3 E Small (02300)			
	A+++	A+++	A+++	A+++
SHERPA COLD Heat pumps for cold climates				
Outdoor units				UE Sherpa Cold 10 (02269)
SUSPENDED VERSION				UI Sherpa Cold (02276)
				A+++

Energy efficiency classes in heating, water at 35°C (average climate). For Sherpa SHW classes according to Regulation EU 812/2013.

THREE-PHASE

12	14	15	16	10T	12T	14T	15T	16T	18T
UE Sherpa S2 12 (02005)	UE Sherpa S2 14 (02006)		UE Sherpa S2 16 (02007)		UE Sherpa S2 12T (02008)	UE Sherpa S2 14T (02009)			
UI Sherpa Aquadue S2 Big (02043)									
UI Sherpa Aquadue Tower S2 Big (02045)									
A+++	A++		A++		A+++	A+++			

UE Sherpa S2 12 (02005)	UE Sherpa S2 14 (02006)		UE Sherpa S2 16 (02007)		UE Sherpa S2 12T (02008)	UE Sherpa S2 14T (02009)			
UI Sherpa S2 Big (02041)									
UI Sherpa Tower S2 Big (02047)									
A+++	A++		A++		A+++	A+++			

UE Sherpa S3 E 12 (02288)	UE Sherpa S3 E 14 (02289)		UE Sherpa S3 E 16 (02290)		UE Sherpa S3 E 12T (02291)	UE Sherpa S3 E 14T (02292)		UE Sherpa S3 E 16T (02293)	
UI Sherpa Aquadue S3 E Big (02297)									
UI Sherpa Aquadue Tower S3 E Big (02299)									
A+++ R32	A+++ R32		A+++ R32		A+++ R32	A+++ R32		A+++ R32	

UE Sherpa S3 E 12 (02288)	UE Sherpa S3 E 14 (02289)		UE Sherpa S3 E 16 (02290)		UE Sherpa S3 E 12T (02291)	UE Sherpa S3 E 14T (02292)		UE Sherpa S3 E 16T (02293)	
UI Sherpa S3 E Big (02295)									
UI Sherpa Tower S3 E Big (02301)									
A+++ R32	A+++ R32		A+++ R32		A+++ R32	A+++ R32		A+++ R32	

UE Sherpa Cold 12 (02271)		UE Sherpa Cold 15 (02273)		UE Sherpa Cold 10T (02270)	UE Sherpa Cold 12T (02272)		UE Sherpa Cold 15T (02274)		UE Sherpa Cold 18T (02275)
UI Sherpa Cold (02276)		UI Sherpa Cold (02277)		UI Sherpa Cold (02276)			UI Sherpa Cold (02277)		UI Sherpa Cold (02278)
A+++		A+++		A+++	A+++		A+++		A+++

Monoblock and water heater range

			SINGLE-PHASE			
Production of comfort and DHW			**4**	**6**	**8**	**10**
SHERPA MONOBLOC Monoblock heat pump	S1	**Outdoor units**		Sherpa Monobloc S1 E 6 (02021) A+++	Sherpa Monobloc S1 E 8 (02022) A+++	
SHERPA MONOBLOC Monoblock heat pump	S2	**Outdoor units** NEW		Sherpa Monobloc S2 E 6 (02303) A+++	Sherpa Monobloc S2 E 8 (02304) A+++	Sherpa Monobloc S2 E 10 (02305) A+++
Production of only DHW			**200**		**260**	
SHERPA SHW Water heater in heat pump	S2	**Outdoor units** NEW	Sherpa SHW S2 200 (02385) A+		Sherpa SHW S2 260S (02386) A+	

Energy efficiency classes in heating, water at 35°C (average climate). For Sherpa SHW classes according to Regulation EU 812/2013.

THREE-PHASE

12	14	15	16	10T	12T	14T	15T	16T	18T
Sherpa Monobloc S1 E 12 (02023)			Sherpa Monobloc S1 E 16 (02025)		Sherpa Monobloc S1 E 12T (02024)			Sherpa Monobloc S1 E 16T (02026)	
A+++			A++		A+++			A++	
Sherpa Monobloc S2 E 12 (02306)	Sherpa Monobloc S2 E 14 (02307)		Sherpa Monobloc S2 E 16 (02308)		Sherpa Monobloc S2 E 12T (02309)	Sherpa Monobloc S2 E 14T (02310)		Sherpa Monobloc S2 E 16T (023011)	
A+++	A+++		A+++		A+++	A+++		A+++	

NEW

SHERPA AQUADUE S3

Compatible with: SiOS CONTROL

Multi-purpose split heat pumps, suspended and tower versions

DHW AND COMFORT AT THE SAME TIME

The two interconnected refrigerator cycles allow the decoupling of the heating/cooling from the DHW production, enabling them to operate in parallel, avoiding thus interruptions in the domestic comfort supply.

DOMESTIC HOT WATER UP TO 75°C

The storage of DHW at high temperature makes it possible to reduce the volume of the storage tank by up to 30%, and to avoid energy-intensive consumption of the anti-Legionnaire's disease cycles, since they are normally carried out by the use of electric heating elements.

LOW GWP GAS

All power sizes use the R32 refrigerant, characterised by greater efficiency and a greenhouse effect reduced by almost 70% (compared to R410A).

FEATURES

- **Inverter air-water heat pump**
- **Energy efficiency class** in average climate heating up to: A+++ (35°C) and A++ (55°C)
- **Powers available:** 10 powers with refrigerant R32 single-phase (4-6-8-10-12-14-16 kW) and three-phase (12-14-16 kW).
- **Production of DHW** (Domestic Hot Water) at high temperature, up to 75°C.
- **DHW management:** a water/water heat pump unit integrated in the internal unit supplies domestic hot water at high temperature regardless of the external climatic conditions.
- **Absolute continuity availability of DHW**: guaranteed by the redundancy of the double refrigerantion circuit
- **Anti-legionella cycles that can be avoided** using the high temperature refrigeration cycle.
- **Double stage electric heating elements as standard:** activation of single or double heating element to support the heat pump by means of a simple electronic control configuration. Each stage is activated according to the actual need for thermal power, in order to optimise electricity consumption (supplied disabled by default).
- **Configurable set points:** two set points in cooling, Three set points in heating (one of which for DHW): the set points can also be selected via remote contact.
- **Holiday** and weekly programmer: heating/cooling, DHW, night-time.
- **Climatic curves** with external air temperature probe: two curves available, one for cooling and one for heating. The climatic curves are used to vary the temperature of the water supplying the system according to the external climatic conditions, adjusting the thermal needs of the building, in order to achieve energy savings.
- **Refrigerant gases:** R32* for the reversible circuit dedicated to air conditioning and R134a** for the high temperature circuit dedicated to the production of DHW.
- **Built-in 150 L high efficiency storage tank** (tower version) with an exchange battery surface equal to 1.5 m2.
- **Operating limits:** down to -25°C, +43°C (see technical manuals for details).
- **Integrated heating cable** to prevent freezing of water in the tray for sizes 12-14-16 and 12T-14T-16T. The heating cable intervenes during machine defrost operations or when the ambient air is below -7°C and cuts out when it exceeds 4°C (85W power consumption).

AQUADUE TECHNOLOGY

HEATING MODE

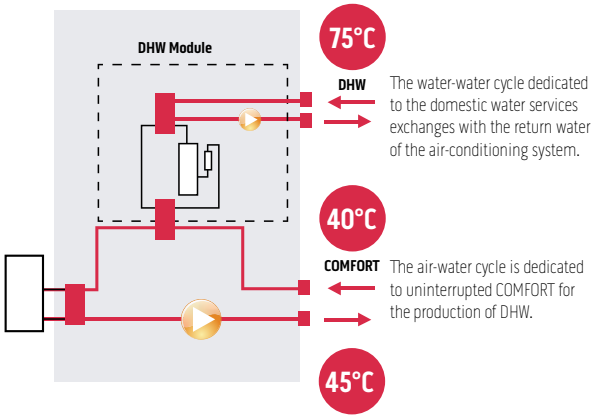
+DHW at high temperature

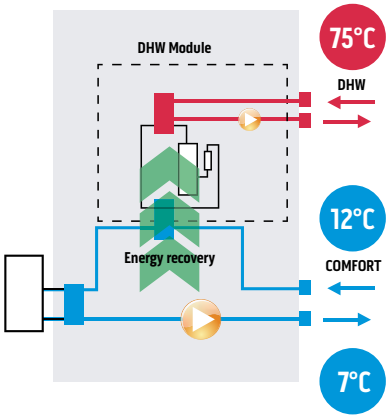
Production of DHW guaranteed regardless of the outside temperature for optimal operation all year round, not guaranteed by traditional heat pumps.

COOLING MODE

+DHW at a high temperature with energy recovery

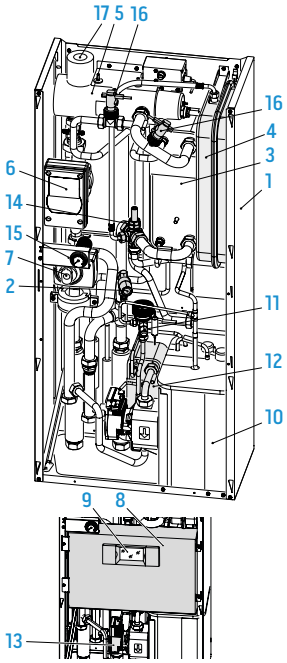
The energy normally dissipated outside is recovered and used to produce DHW up to 75°C.





* Equipment not hermetically sealed containing fluorinated gases with an equivalent GWP of 675 (R32)
** Non-hermetically sealed equipment containing fluorinated gas with GWP equivalent 1430

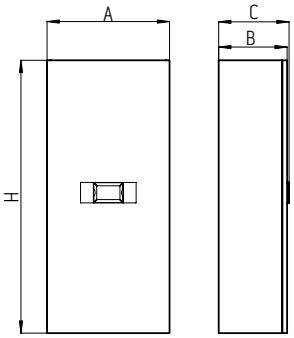
LAYOUT, DIMENSIONS, WEIGHT

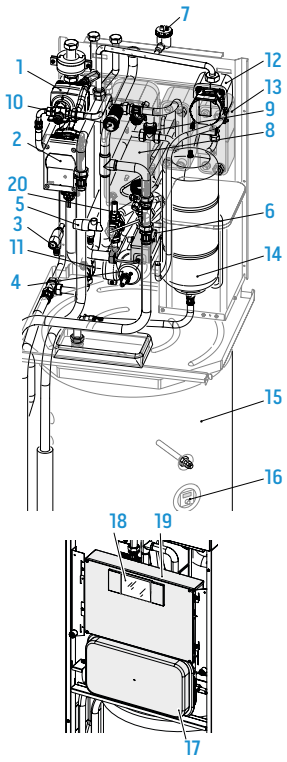


1. Support structure
2. 3 bar safety valve
3. Main circuit heat exchanger
4. Expansion tank
5. Post-heating electric heating element manifold
6. Air conditioner circuit circulation pump
7. 3-way valve
8. Electrical panel assembly
9. Touchscreen display
10. Compressor
11. Expansion valve
12. DHW circuit heat exchangers
13. DHW circuit circulation pump
14. DHW circuit evaporator water flow rate regulator
15. Water circuit pressure gauge
16. Flow switches
17. Automatic vent valves

Suspended indoor units

		4	6	8	10	12	14	16	12T	14T	16T
		SMALL				BIG					
A	mm	500	500	500	500	500	500	500	500	500	500
B	mm	280	280	280	280	280	280	280	280	280	280
C	mm	288	288	288	288	288	288	288	288	288	288
H	mm	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116
Weight	kg	70	70	70	70	70	70	70	70	70	70

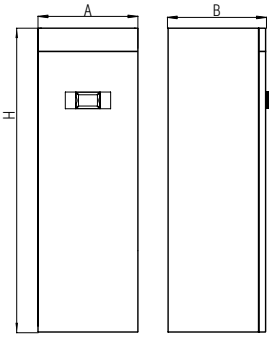


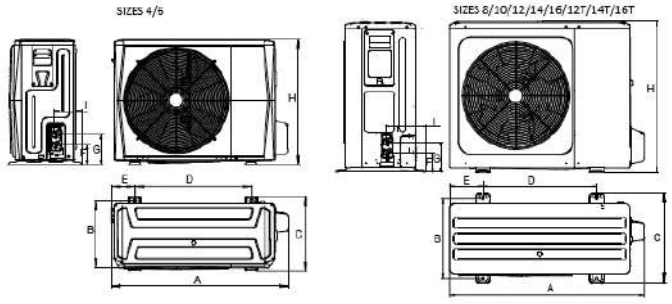


1. 3-way valve
2. Air conditioner circuit circulation pump
3. Safety valves (DHW circuit 6 bar)
4. Post-heating electric heating element manifold
5. Safety valves air conditioner circuit 3 bar
6. Electric heating elements safety thermostats
7. Automatic air vent valve
8. Air conditioner circuit heat exchanger
9. Flow switches
10. Air conditioning circuit pressure gauge
11. DHW thermostatic accumulators
12. DHW circuit circulation pump
13. DHW circuit heat exchangers
14. DHW circuit expansion tank
15. DHW tank
16. Anode tester
17. Air conditioner circuit expansion tank
18. Touch screen display
19. Electrical panel assembly
20. DHW circuit evaporator water flow rate regulator

Tower indoor units

		4	6	8	10	12	14	16	12T	14T	16T
		SMALL				BIG					
A	mm	600	600	600	600	600	600	600	600	600	600
B	mm	600	600	600	600	600	600	600	600	600	600
H	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	kg	171	171	171	171	171	171	171	171	171	171





Outdoor units

		4	6	8	10	12	14	16	12T	14T	16T
A	mm	1008	1008	1118	1118	1118	1118	1118	1118	1118	1118
B	mm	375	375	456	456	456	456	456	456	456	456
C	mm	426	426	523	523	523	523	523	523	523	523
D	mm	663	663	656	656	656	656	656	656	656	656
E	mm	134	134	191	191	191	191	191	191	191	191
F	mm	110	110	110	110	110	110	110	110	110	110
G	mm	170	170	170	170	170	170	170	170	170	170
H	mm	712	712	865	865	865	865	865	865	865	865
I	mm	160	160	230	230	230	230	230	230	230	230
Weight	kg	58	58	77	77	96	96	96	112	112	112

	SINGLE-PHASE R32 TECHNICAL DATA				4			6			8			10		
	ODU Sherpa S3 E				02284			02285			02286			02287		
	IDU Sherpa Aquadue S3 E				02296			02296			02296			02296		
	IDU Sherpa Aquadue Tower S3 E				02298			02298			02298			02298		
	Compressor frequency				Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	2,42	4,25	5,66	3,53	6,20	8,26	4,73	8,30	11,05	5,70	10,0	13,32
	COP	a7/6 - w30/35	(a)	W/W	-	5,15	-	-	5,00	-	-	5,20	-	-	5,00	-
	Heating power	a2/1 - w30/35	(b)	kW	2,54	4,45	5,93	3,13	5,50	7,32	4,05	7,10	9,46	4,67	8,20	10,92
	COP	a2/1 - w30/35	(b)	W/W	-	4,05	-	-	3,95	-	-	4,10	-	-	4,05	-
	Heating power	a-7/-8 - w30/35	(c)	kW	2,74	4,80	6,39	3,48	6,10	8,12	4,05	7,10	9,46	4,70	8,25	10,99
	COP	a-7/-8 - w30/35	(c)	W/W	-	3,15	-	-	3,05	-	-	3,25	-	-	3,15	-
	Heating power	a-15/-16 - w30/35	(d)	kW	1,75	3,07	4,09	2,15	3,77	5,02	3,31	5,80	7,72	3,48	6,10	8,12
	COP	a-15/-16 - w30/35	(d)	W/W	-	2,88	-	-	2,83	-	-	2,98	-	-	3,01	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	2,48	4,35	5,79	3,62	6,35	8,46	4,67	8,20	10,92	5,70	10,00	13,32
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3,80	-	-	3,75	-	-	3,95	-	-	3,80	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	2,91	5,10	6,79	3,31	5,80	7,72	4,22	7,40	9,86	4,47	7,85	10,45
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	3,00	-	-	3,00	-	-	3,25	-	-	3,20	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	2,45	4,30	5,73	3,08	5,40	7,19	3,76	6,60	8,79	4,19	7,35	9,79
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2,35	-	-	2,40	-	-	2,55	-	-	2,55	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	1,52	2,66	3,54	1,86	3,27	4,35	2,87	5,04	6,71	3,03	5,31	7,07
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	2,02	-	-	1,98	-	-	2,32	-	-	2,34	-
	Cooling power	a35 - w23/18	(l)	kW	2,41	4,50	5,52	3,51	6,55	8,03	4,50	8,40	10,30	5,36	10,00	12,27
	EER	a35 - w23/18	(l)	W/W	-	5,55	-	-	4,90	-	-	5,05	-	-	4,80	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	2,52	4,70	5,77	3,75	7,00	8,59	3,97	7,40	9,08	4,40	8,20	10,06
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	3,45	-	-	3,00	-	-	3,38	-	-	3,30	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate				A+++			A+++			A+++			A+++	
	SCOP	Warmer Climate				6,46			6,57			6,99			7,09	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		255,4%			259,8%			276,6%			280,5%	
	Energy efficiency class in water heating 35°C	Average Climate				A+++			A+++			A+++			A+++	
	SCOP	Average Climate				4,85			4,95			5,22			5,20	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		191,0%			195,0%			205,6%			204,8%	
	Energy efficiency class in water heating 35°C	Cold Climate				A++			A++			A++			A++	
	SCOP	Cold Climate				4,06			4,21			4,33			4,32	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		159,5%			165,3%			170,0%			169,8%	
	Energy efficiency class in water heating 55°C	Warmer Climate				A+++			A+++			A+++			A+++	
	SCOP	Warmer Climate				4,15			4,21			4,51			4,62	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		163,1%			165,4%			177,2%			181,7%	
	Energy efficiency class in water heating 55°C	Average Climate				A++			A++			A++			A++	
	SCOP	Average Climate				3,31			3,52			3,37			3,47	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		129,5%			137,9%			131,6%			135,7%	
	Energy efficiency class in water heating 55°C	Cold Climate				A+			A+			A+			A+	
	SCOP	Cold Climate				2,63			2,85			2,88			2,99	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		102,1%			111,1%			112,1%			116,5%	
NOISE LEVEL	Indoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)		46/40			46/40			46/42			46/42	
	Indoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(n)	dB(A)		38/32			38/32			38/36			38/36	
	Outdoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)		56/52			58/53			59/54			60/55	
	Outdoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(o)	dB(A)		36/32			38/33			39/34			40/35	
ELECTRICAL DATA	System circulator absorption			W		3 - 87			3 - 87			3 - 87			3 - 87	
	Supply voltage outdoor unit			V/ph/Hz		220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50	
	Maximum current absorbed indoor unit with additional active heating elements			A		18,00			18,00			18,00			18,00	
	Maximum power absorbed indoor unit with additional active heating elements			kW		4,05			4,05			4,05			4,05	
	Additional electric heating elements			kW		1,5+1,5			1,5+1,5			1,5+1,5			1,5+1,5	
	Supply voltage outdoor unit			V/ph/Hz		220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50	
	Outdoor unit maximum absorbed current			A		10			11			14			16	
	Outdoor unit maximum absorbed power			kW		2,2			2,6			3,3			3,6	
COOLING CIRCUIT	Compressor type					Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter	
	Refrigerant inlet connection diameter			"		1/4"-5/8"			1/4"-5/8"			3/8"-5/8"			3/8"-5/8"	
	Coolant gas		(p)			R32			R32			R32			R32	
	Global warming potential			GWP		675			675			675			675	
	Refrigerant gas charge			kg		1,5			1,5			1,65			1,65	
	Additional charge above 15m			g/m		20			20			38			38	
	Refrigerant piping length limit	min - max		m		2 - 30			2-30			2 - 30			2 - 30	
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)	m		30			30			20			20	
HYDRAULIC DATA	Hydraulic connections for the technical water system			"		1"			1"			1"			1"	
	System technical water expansion tank capacity			l		8			8			8			8	
ONLY FOR SHERPA AQUADUE TOWER	Load profile according to EN16147					L			L			L			L	
INTEGRATED DHW BOILER	DHW production energy efficiency class	Average Climate				A			A			A			A	
	ηHW (seasonal production efficiency DHW)	Average Climate		%		106%			106%			86%			86%	
	Boiler volume			l		150			150			150			150	
	Boiler interior surface material					DD12 glazed steel S235JR			DD12 glazed steel S235JR			DD12 glazed steel S235JR			DD12 glazed steel S235JR	
	Heat exchanger in the boiler			m²		1,5			1,5			1,5			1,5	
	Type and thickness of boiler insulation					Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm	
	Specific dispersion			W/K		2			2			2			2	
	DHW expansion tank capacity			l		7			7			7			7	
	DHW hydraulic connections			"		3/4"			3/4"			3/4"			3/4"	
SECONDARY DHW COOLING CIRCUIT	DHW circuit heating power	w35 - w55	(r)	kW		2,15			2,15			2,15			2,15	
	COP DHW circuit	w35 - w55	(r)	W/W		3,12			3,12			3,12			3,12	
	DHW circuit heating power	w12 - w55	(s)	kW		1,60			1,60			1,60			1,6	
	COP DHW circuit	w12 - w55	(s)	W/W		2,58			2,58			2,58			2,58	
	Sound power indoor unit in heating/cooling + DHW circuit			dB(A)		49			49			49			49	
	DHW circuit circulator absorption			W		3 - 43			3 - 43			3 - 43			3 - 43	
	DHW circuit coolant gas		(t)			R134a			R134a			R134a			R134a	
	DHW circuit global warming potential			GWP		1430			1430			1430			1430	
	DHW circuit coolant gas load			kg		0,35			0,35			0,35			0,35	

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C
(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field distance
(p) Non-airtightally sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual
(r) Heating circuit water temperature 35°C/Outlet water temperature 55°C
(s) Heating circuit water temperature 12°C/Outlet water temperature 55°C
(t) Non-hermetically sealed equipment containing fluorinated GAS

SINGLE-PHASE R32 TECHNICAL DATA				12			14			16		
ODU Sherpa S3 E				02288			02289			02290		
IDU Sherpa Aquadue S3 E				02297			02297			02297		
IDU Sherpa Aquadue Tower S3 E				02299			02299			02299		
Compressor frequency				Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	5,65	12,10	15,79	6,77	14,50	18,92	7,47	16,00	20,88
	COP	a7/6 - w30/35	(a)	W/W	-	4,95	-	-	4,70	-	-	4,50	-
	Heating power	a2/1 - w30/35	(b)	kW	4,34	9,30	12,14	5,32	11,40	14,88	6,07	13,00	16,96
	COP	a2/1 - w30/35	(b)	W/W	-	3,95	-	-	3,65	-	-	3,50	-
	Heating power	a-7/-8 - w30/35	(c)	kW	4,67	10,00	13,05	5,60	12,00	15,66	6,21	13,3	17,35
	COP	a-7/-8 - w30/35	(c)	W/W	-	3,00	-	-	2,80	-	-	2,70	-
	Heating power	a-15/-16 - w30/35	(d)	kW	3,43	7,35	9,59	3,71	7,94	10,36	4,37	9,35	12,20
	COP	a-15/-16 - w30/35	(d)	W/W	-	2,88	-	-	2,85	-	-	2,66	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	5,74	12,30	16,05	6,63	14,20	18,53	7,47	16,00	20,88
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3,80	-	-	3,65	-	-	3,60	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	5,00	10,70	13,96	5,46	11,70	15,27	5,98	12,80	16,70
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	3,00	-	-	2,86	-	-	2,85	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	4,76	10,20	13,31	5,51	11,80	15,40	6,02	12,90	16,83
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2,40	-	-	2,35	-	-	2,23	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	3,10	6,63	8,65	3,34	7,16	9,34	3,93	8,41	10,97
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	2,32	-	-	2,29	-	-	2,03	-
	Cooling power	a35 - w23/18	(l)	kW	5,60	12,00	14,29	6,31	13,00	16,08	6,96	13,50	17,75
	EER	a35 - w23/18	(l)	W/W	-	4,00	-	-	3,70	-	-	3,61	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	5,42	11,60	13,82	5,93	12,70	15,13	6,54	14,00	16,67
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	2,75	-	-	2,55	-	-	2,45	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate				A+++			A+++			A+++	
	SCOP	Warmer Climate				6,48			6,58			6,47	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		256,1%			260,3%			255,6%	
	Energy efficiency class in water heating 35°C	Average Climate				A+++			A+++			A+++	
	SCOP	Average Climate				4,81			4,72			4,62	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		189,4%			185,7%			181,7%	
	Energy efficiency class in water heating 35°C	Cold Climate				A+			A++			A++	
	SCOP	Cold Climate				4,08			4,07			4,02	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		160,2%			159,6%			157,8%	
	Energy efficiency class in water heating 55°C	Warmer Climate				A+++			A+++			A+++	
	SCOP	Warmer Climate				4,43			4,49			4,48	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		174,1%			176,5%			176,1%	
	Energy efficiency class in water heating 55°C	Average Climate				A++			A++			A++	
	SCOP	Average Climate				3,45			3,47			3,41	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		135,1%			135,6%			133,3%	
	Energy efficiency class in water heating 55°C	Cold Climate				A+			A+			A+	
	SCOP	Cold Climate				3,02			3,05			3,12	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		117,8%			118,9%			121,8%	
NOISE LEVEL	Indoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)		48/46			48/46			48/46	
	Indoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(n)	dB(A)		40/38			40/38			40/38	
	Outdoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)		64/60			65/62			68/64	
	Outdoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(o)	dB(A)		44/40			45/42			48/44	
ELECTRICAL DATA	System circulator absorption			W		8 - 140			8 - 140			8 - 140	
	Supply voltage indoor unit			V/ph/Hz		220-240/1/50			220-240/1/50			220-240/1/50	
	Maximum current absorbed indoor unit with additional active heating elements			A		31,0			31,0			31	
	Maximum power absorbed indoor unit with additional active heating elements			kW		7,05			7,05			7,05	
	Additional electric heating elements			kW		3,0+3,0			3,0+3,0			3,0+3,0	
	Supply voltage outdoor unit			V/ph/Hz		220-240/1/50			220-240/1/50			220-240/1/50	
	Outdoor unit maximum absorbed current			A		23			25			25	
	Outdoor unit maximum absorbed power			kW		5,4			5,7			5,7	
COOLING CIRCUIT	Compressor type					Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter	
	Refrigerant inlet connection diameter			"		3/8"-5/8"			3/8"-5/8"			3/8"-5/8"	
	Coolant gas		(p)			R32			R32			R32	
	Global warming potential			GWP		675			675			675	
	Refrigerant gas charge			kg		1,84			1,84			1,84	
	Additional charge above 15m			g/m		38			38			38	
	Refrigerant piping length limit	min - max		m		2 - 30			2 - 30			2 - 30	
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)	m		15			15			15	
HYDRAULIC DATA	Hydraulic connections for the technical water system			"		1"			1"			1"	
	System technical water expansion tank capacity			l		8			8			8	
	Load profile according to EN16147					L			L			L	
ONLY FOR SHERPA AQUADUE TOWER INTEGRATED DHW BOILER	DHW production energy efficiency class	Average Climate				A			A			A	
	ηHW (seasonal production efficiency DHW)	Average Climate		%		81%			81%			81%	
	Boiler volume			l		150			150			150	
	Boiler interior surface material					DD12 glazed steel S235JR			DD12 glazed steel S235JR			DD12 glazed steel S235JR	
	Heat exchanger in the boiler			m²		1,5			1,5			1,5	
	Type and thickness of boiler insulation					Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm	
	Specific dispersion			W/K		2			2			2	
	DHW expansion tank capacity			l		7			7			7	
	DHW hydraulic connections			"		3/4"			3/4"			3/4"	
SECONDARY DHW COOLING CIRCUIT	DHW circuit heating power	w35 - w55	(r)	kW		2,15			2,15			2,15	
	COP DHW circuit	w35 - w55	(r)	W/W		3,12			3,12			3,12	
	DHW circuit heating power	w12 - w55	(s)	kW		1,60			1,60			1,60	
	COP DHW circuit	w12 - w55	(s)	W/W		2,58			2,58			2,58	
	Sound power indoor unit in heating/cooling + DHW circuit			dB(A)		49			49			49	
	DHW circuit circulator absorption			W		3 - 43			3 - 43			3 - 43	
	DHW circuit coolant gas		(t)			R134a			R134a			R134a	
	DHW circuit global warming potential			GWP		1430			1430			1430	
	DHW circuit coolant gas load			kg		0,35			0,35			0,35	

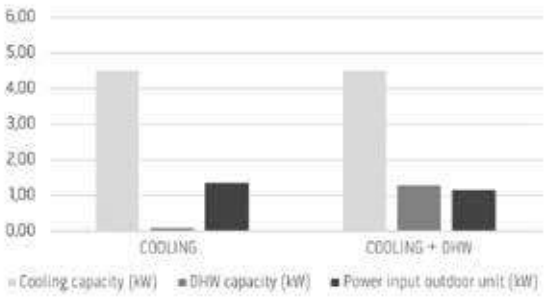
(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C
(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field distance
(p) Non-airtightally sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual
(r) Heating circuit water temperature 35°C/Outlet water temperature 55°C
(s) Heating circuit water temperature 12°C/Outlet water temperature 55°C
(t) Non-hermetically sealed equipment containing fluorinated GAS

THREE-PHASE R32 TECHNICAL DATA					12T			14T			16T		
ODU Sherpa S3 E					02291			02292			02293		
IDU Sherpa Aquadue S3 E					02297			02297			02297		
IDU Sherpa Aquadue Tower S3 E					02299			02299			02299		
	Compressor frequency				Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	5,65	12,10	15,79	6,77	14,50	18,92	7,47	16,00	20,88
	COP	a7/6 - w30/35	(a)	W/W	-	4,95	-	-	4,70	-	-	4,50	-
	Heating power	a2/1 - w30/35	(b)	kW	4,34	9,30	12,14	5,32	11,40	14,88	6,07	13,00	16,96
	COP	a2/1 - w30/35	(b)	W/W	-	3,95	-	-	3,65	-	-	3,50	-
	Heating power	a-7/-8 - w30/35	(c)	kW	4,67	10,00	13,05	5,60	12,00	15,66	6,21	13,30	17,35
	COP	a-7/-8 - w30/35	(c)	W/W	-	3,00	-	-	2,80	-	-	2,70	-
	Heating power	a-15/-16 - w30/35	(d)	kW	3,43	7,35	9,59	3,71	7,94	10,36	4,37	9,35	12,20
	COP	a-15/-16 - w30/35	(d)	W/W	-	2,88	-	-	2,85	-	-	2,66	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	5,74	12,30	16,05	6,63	14,20	18,53	7,47	16,00	20,88
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3,80	-	-	3,65	-	-	3,60	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	5,00	10,70	13,96	5,46	11,70	15,27	5,98	12,80	16,70
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	3,00	-	-	2,86	-	-	2,85	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	4,76	10,20	13,31	5,51	11,80	15,40	6,02	12,90	16,83
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2,40	-	-	2,35	-	-	2,23	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	3,10	6,63	8,65	3,34	7,16	9,34	3,93	8,41	10,97
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	2,32	-	-	2,29	-	-	2,03	-
	Cooling power	a35 - w23/18	(l)	kW	5,60	12,00	14,29	6,31	13,00	16,08	6,96	13,50	17,75
	EER	a35 - w23/18	(l)	W/W	-	4,00	-	-	3,70	-	-	3,61	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	5,42	11,60	13,82	5,93	12,70	15,13	6,54	14,00	16,67
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	2,75	-	-	2,55	-	-	2,45	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate				A+++			A+++			A+++	
	SCOP	Warmer Climate				6,47			6,57			6,28	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		255,6%			259,8%			248,1%	
	Energy efficiency class in water heating 35°C	Average Climate				A+++			A+++			A+++	
	SCOP	Average Climate				4,81			4,72			4,62	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		189,3%			185,6%			181,6%	
	Energy efficiency class in water heating 35°C	Cold Climate				A++			A++			A++	
	SCOP	Cold Climate				4,08			4,07			4,02	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		160,2%			159,6%			157,8%	
	Energy efficiency class in water heating 55°C	Warmer Climate				A+++			A+++			A+++	
	SCOP	Warmer Climate				4,42			4,49			4,47	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		173,8%			176,4%			175,9%	
	Energy efficiency class in water heating 55°C	Average Climate				A++			A++			A++	
	SCOP	Average Climate				3,45			3,47			3,41	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		135,1%			135,6%			133,2%	
	Energy efficiency class in water heating 55°C	Cold Climate				A+			A+			A+	
	SCOP	Cold Climate				3,02			3,05			3,12	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		117,7%			118,9%			121,8%	
NOISE LEVEL	Indoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)		48/46			48/46			48/46	
	Indoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(n)	dB(A)		40/38			40/38			40/38	
	Outdoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)		64/60			65/62			68/64	
	Outdoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(o)	dB(A)		44/40			45/42			48/44	
ELECTRICAL DATA	System circulator absorption			W		8 - 140			8 - 140			8 - 140	
	Supply voltage indoor unit			V/ph/Hz		220-240/1/50			220-240/1/50			220-240/1/50	
	Maximum current absorbed indoor unit with additional active heating elements			A		31			31			31	
	Maximum power absorbed indoor unit with additional active heating elements			kW		7,05			7,05			7,05	
	Additional electric heating elements			kW		3,0+3,0			3,0+3,0			3,0+3,0	
	Supply voltage outdoor unit			V/ph/Hz		380-415/3/50			380-415/3/50			380-415/3/50	
	Outdoor unit maximum absorbed current			A		8			8			8	
	Outdoor unit maximum absorbed power			kW		5,4			5,7			5,7	
COOLING CIRCUIT	Compressor type					Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter	
	Refrigerant inlet connection diameter			"		3/8"-5/8"			3/8"-5/8"			3/8"-5/8"	
	Coolant gas		(p)			R32			R32			R32	
	Global warming potential			GWP		675			675			675	
	Refrigerant gas charge			kg		1,84			1,84			1,84	
	Additional charge above 15m			g/m		38			38			38	
	Refrigerant piping length limit	min - max		m		2 - 30			2 - 30			2 - 30	
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)	m		15			15			15	
HYDRAULIC DATA	Hydraulic connections for the technical water system			"		1"			1"			1"	
	System technical water expansion tank capacity			l		8			8			8	
ONLY FOR SHERPA AQUADUE TOWER	Load profile according to EN16147					L			L			L	
INTEGRATED DHW BOILER	DHW production energy efficiency class	Average Climate				A			A			A	
	ηHW (seasonal production efficiency DHW)	Average Climate		%		81%			81%			81%	
	Boiler volume			l		150			150			150	
	Boiler interior surface material					DD12 glazed steel S235JR			DD12 glazed steel S235JR			DD12 glazed steel S235JR	
	Heat exchanger in the boiler			m²		1,5			1,5			1,5	
	Type and thickness of boiler insulation					Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm	
	Specific dispersion			W/K		2			2			2	
	DHW expansion tank capacity			l		7			7			7	
	DHW hydraulic connections			"		3/4"			3/4"			3/4"	
SECONDARY DHW COOLING CIRCUIT	DHW circuit heating power	w35 - w55	(r)	kW		2,15			2,15			2,15	
	COP DHW circuit	w35 - w55	(r)	W/W		3,12			3,12			3,12	
	DHW circuit heating power	w12 - w55	(s)	kW		1,60			1,60			1,60	
	COP DHW circuit	w12 - w55	(s)	W/W		2,58			2,58			2,58	
	Sound power indoor unit in heating/cooling + DHW circuit			dB(A)		49			49			49	
	DHW circuit circulator absorption			W		3 - 43			3 - 43			3 - 43	
	DHW circuit coolant gas		(t)			R134a			R134a			R134a	
	DHW circuit global warming potential			GWP		1430			1430			1430	
	DHW circuit coolant gas load			kg		0,35			0,35			0,35	

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C
(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field distance
(p) Non-airtightly sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual
(r) Heating circuit water temperature 35°C/Outlet water temperature 55°C
(s) Heating circuit water temperature 12°C/Outlet water temperature 55°C
(t) Non-hermetically sealed equipment containing fluorinated GAS

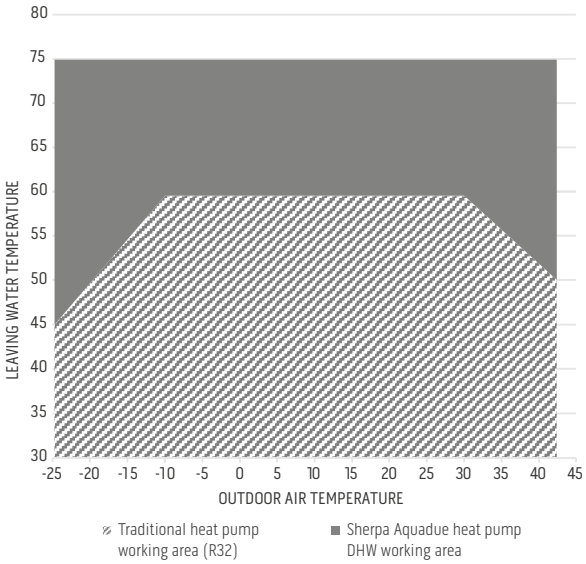
			4			6			8			10		
			Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12	Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12	Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12	Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12
First circuit + second circuit data	Cooling capacity	kw	4.70	0.64	4.70	7.00	0.64	7.00	7.40	0.64	7.40	8.20	0.64	8.20
	DHW yield	kw	0.00	1,28	1.28	0.00	1.28	1.28	0.00	1.28	1.28	0.00	1.28	1.28
	Absorption	kw	1.36	0.56	1.17	2.33	0.56	2.00	2.19	0.56	1.87	2.48	0.56	2.13
	EER COP		3.45	2.30	4.03	3.00	2.30	3.50	3.38	2.30	3.95	3.30	2.30	3.85

			12			14			16			12T			14T			16T		
			Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12	Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12	Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12	Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12	Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12	Cooling w7 - a35	DHW w65 - w12	Cooling w7 - A35 DHW w65 - w12
First circuit + second circuit data	Cooling capacity	kw	11.60	0.64	11.60	12.70	0.64	12.70	14.00	0.64	14.00	11.60	0.64	11.60	12.70	0.64	12.70	14.00	0.64	14.00
	DHW yield	kw	0.00	1.28	1.28	0.00	1.28	1.28	0.00	1.28	1.28	0.00	1.28	1.28	0.00	1.28	1.28	0.00	1.28	1.28
	Absorption	kw	4.22	0.56	3.61	4.98	0.56	4.26	5.71	0.56	4.89	4.22	0.56	3.61	4.98	0.56	4.26	5.71	0.56	4.89
	EER COP		2.75	2.30	3.21	2.55	2.30	2.98	2.45	2.30	2.86	2.75	2.30	3.21	2.55	2.30	2.98	2.45	2.30	2.86



COOLING + DHW WITH ENERGY RECOVERY

During summer operation in cooling mode, the cycle dedicated to DHW production extracts heat from return water from the system circuit.
The cooling requirements of the building is partially satisfied by the DHW cycle and the comfort refrigerating cycle must deliver less power by reducing the speed of the inverter compressor.
The heat taken from the system is recovered in hot water for domestic use. The efficiency of the integrated system increases (ratio between the energy produced and the energy absorbed from the mains).



PERFORMANCE AND ENERGY ADVANTAGES

In adverse weather conditions traditional heat pumps decrease thermal output producing water at a lower temperature. Sherpa AQUADUE® as well as extending the area of operation ensures a constant heat output, in the production of Domestic Hot Water. The double refrigerator circuit allows higher DHW production temperatures thanks to the water-water circuit which are independent of outside air temperature. In summer cooling operation the refrigeration cycle dedicated to DHW production removes heat from the comfort circuit increasing the overall efficiency of the system.

ACCESSORIES

			suspended	tower
CONTROLS	B0916	Kit 3-way valve for DHW	●	●
	B0623	Outdoor air temperature probe kit	●	●
	B0624	Kit DHW storage tank sensor	●	●
	B0931	Remote control display kit 10 m	○	○
OTHER	B0918	Kit Sherpa Flex Box AS	≤10	–
	B0961	Kit Sherpa Flex Box AS RAL 9016	≤10	–
STORAGE TANKS / PUFFER	01804	HE 200 L storage tank	○	–
	01805	HE 300 L storage tank	○	–
	01806	HES 300 L solar storage tank	○	–
	01807	Hybride boiler HY 300 L	○	–
	01808	HYS 300 L solar hybrid storage tank	○	–
	01199	Thermal accumulation 50 L	○	○
	01200	Thermal accumulation 100 L	○	○

○ Optional accessory | ● Standard accessory | – Accessory not compatible

Accessory description on page 56

Please note that optional accessories are available for purchase with all models of the heat pump. When compatibility is only possible with certain sizes, the information is shown in the table. Standard accessories are already included in the heat pump code.

Kit Sherpa Flex Box AS

Freestanding technical cabinet for Sherpa Aquadue S2/S3 E Small multi-purpose split heat pumps

DOMESTIC WATER STORAGE TANK 150 LT - STAINLESS STEEL

High thermal insulation 50 mm in EPS with graphite to minimise dispersions (class C)

TECHNICAL ACCUMULATION 28 LT - STAINLESS STEEL

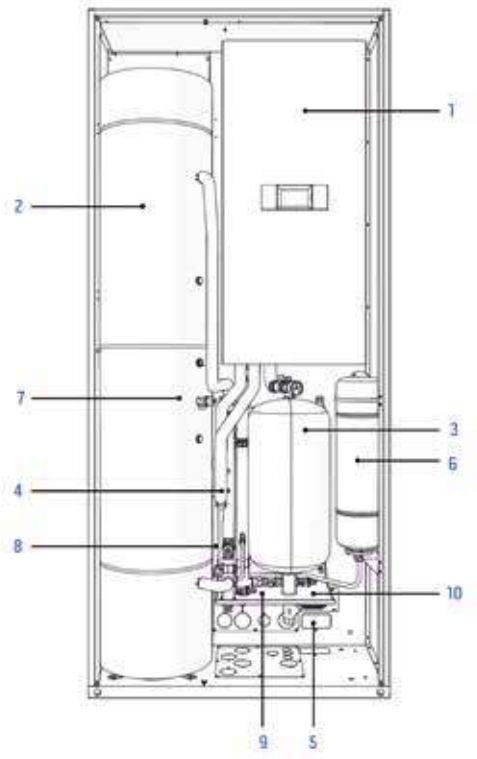
(standard on return from the system)
To ensure efficient and safe operation of the heat pump (class C)

FREESTANDING TECHNICAL CABINET

For maximum installation flexibility with a single product. In galvanised steel.

Sherpa Flex Box AS kit is the technical cabinet that makes it possible to create a compact system in heat pump with high installation flexibility. The multi-purpose heat pump (Sherpa Aquadue) and the class C storage tanks make it possible to obtain a very high energy efficiency of the system, even in outdoor installation.

B0918	Kit Sherpa Flex Box AS
B0961	Kit Sherpa Flex Box AS RAL 9016
B0931	Remote control display kit 10 m



FEATURES

- Dimensions (W x D x H): 998 x 415 x 2280 mm
- System connections from below or from the back
- Condensate trap to prevent any dripping of the condensation on the bottom of the cabinet
- Possible combination with display remote control kit (B0931)
- The distribution and heat emission network downstream of Sherpa Flex Box AS must ensure the circulation of the minimum flow rate of the heat pump in all operating conditions by means of 3-way valves or by-pass systems, in addition, for heat pump sizes 8 and 10, the water content of the distribution network and of the fan coil units must be at least 10 litres (refer to the product installation manuals).

COMPATIBILITY

- SHERPA AQUADUE S2 E 4 (IDU Sherpa Aquadue S2 E Small 02042)
- SHERPA AQUADUE S2 E 6 (IDU Sherpa Aquadue S2 E Small 02042)
- SHERPA AQUADUE S3 E 4 (IDU Sherpa Aquadue S3 E Small 02296)
- SHERPA AQUADUE S3 E 6 (IDU Sherpa Aquadue S3 E Small 02296)
- SHERPA AQUADUE S3 E 8 (IDU Sherpa Aquadue S3 E Small 02296)
- SHERPA AQUADUE S3 E 10 (IDU Sherpa Aquadue S3 E Small 02296)

1. UI Sherpa Aquadue S2/S3 E Small (02042/02296) - **to be ordered separately**
2. Domestic hot water storage tank 150 litres – Stainless Steel AISI 316L
3. Technical system storage tank 28 litres – Stainless Steel AISI 316L
4. Storage tank return filter
5. System return filter
6. Domestic water expansion tank 12 litres
7. Safety valves domestic water 6 bar
8. Domestic water thermostatic mixing valve
9. Micrometric lockshield for By-Pass
10. Condensate trap

TYPES OF INSTALLATION

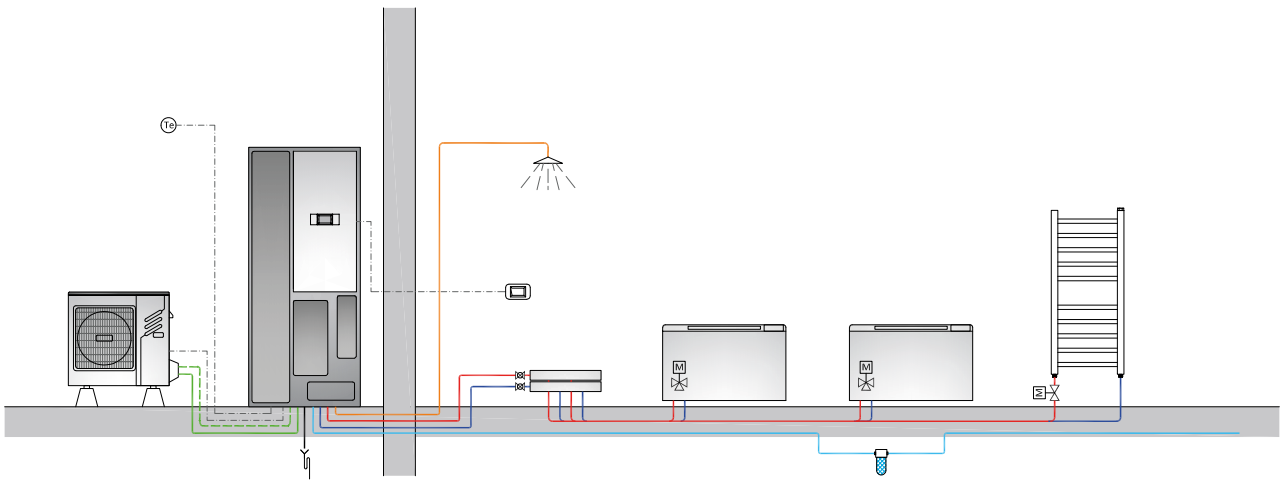
The technical cabinet must be installed in an area protected from the weather according to installation manual

A. Outdoor support
B. Outdoor semi-recessed
C. Indoor support
D. Indoor semi-recessed

On request, code B0961 can be supplied with RAL 9016 powder-coating, (front/back for upper, lower side and front panels, no backs).

SYSTEM DIAGRAM

SHERPA AQUADUE S2/S3 SMALL heat pump with SHERPA FLEX BOX AS KIT (heating and air conditioning; production of high temperature DHW); Bi2 SLR radiant fan coil units with 3-way valves.



Schematic diagram, refer to the installation manual. In particular, the water filtration and treatment system is not shown. Maximum domestic cold water inlet pressure 3.0 bar.

NEW

SHERPA S3

Compatible with: SiOS CONTROL

Traditional split heat pumps, suspended and tower versions

COMPACT TECHNOLOGY

The engineering of the components and the reduced shapes allow it to be installed inside a kitchen cabinet.

DOMESTIC HOT WATER UP TO 60°C

Sherpa supplies Domestic Hot Water with temperatures up to 60°C.

LOW GWP GAS

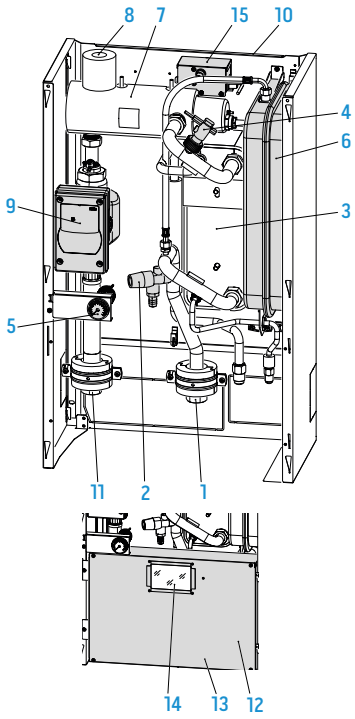
All power sizes use the R32 refrigerant, characterised by greater efficiency and a greenhouse effect reduced by almost 70% (compared to R410A).

FEATURES

- **Inverter air-water heat pump**
- **Energy efficiency class** in average climate heating up to: A+++ (35°C) and A++ (55°C)
- **Powers available:** 10 powers with refrigerant R32 single-phase (4-6-8-10-12-14-16 kW) and three-phase (12-14-16 kW).
- **Supplies DHW** with temperature up to 60° C.
- **DHW management:** Sherpa is used to manage Domestic Hot Water with extreme flexibility through two management modes: water probe inserted in the storage tank or thermostat contact of the storage tank.
- **Climatic curves** based on the external air temperature:
- two curves available, one for cooling and one for heating.
- The climatic curves allow the temperature of the system to be varied according to the external climatic conditions, adjusting the heat input to the building's thermal needs, in order to obtain energy savings.
- **Two configurable** cooling set points, **Three set points** configurable in heating mode (one of which for DHW): the set points can also be selected from a remote contact.
- **Standard double-stage electric heating elements:** configurable as single or double-stage can be activated to support the heat pump, with checking, via the electronic control, of the actual thermal output of the heat pump. Each stage is activated according to the actual need for thermal power, in order to optimise electricity consumption.
- **Daily holiday** and weekly programmer: heating/cooling, DHW, night..
- **Complete management** of anti-legionella cycles
- **R32* refrigerant gas**
- **Storage tank 200 L high efficiency** (tower version only).
- **Components included** (tower version only): system filling valve, 3-way valve.
- **Optional kit** (tower version only): thermostatic mixer and DHW expansion tank.
- **Operating limits:** down to -25°C, + 43°C (see technical manuals for details).

* Equipment not hermetically sealed containing fluorinated gases with an equivalent GWP of 675 (R32)

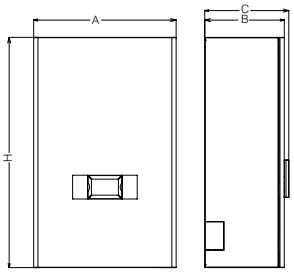
LAYOUT, DIMENSIONS, WEIGHT

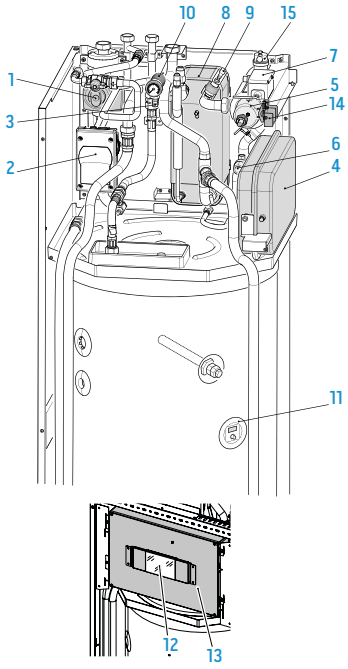


1. Water inlet
2. 3 bar safety valve
3. Plate heat exchanger
4. Flow switch
5. Pressure gauge
6. Expansion tank
7. Electric heating element manifold
8. Automatic vent valve
9. Water pump
10. Support for wall installation
11. System water outlet
12. Electrical panel covers
13. Electrical panel assembly
14. Touch screen display
15. Manual reset electric heating element safety thermostat

Suspended indoor units

		4	6	8	10	12	14	16	12T	14T	16T
		SMALL				BIG					
A	mm	500	500	500	500	500	500	500	500	500	500
B	mm	280	280	280	280	280	280	280	280	280	280
C	mm	296	296	296	296	296	296	296	296	296	296
H	mm	810	810	810	810	810	810	810	810	810	810
Weight	kg	36	36	36	36	36	36	36	36	36	36

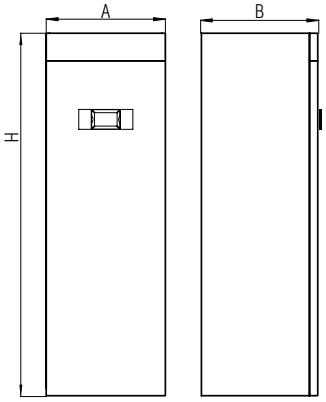




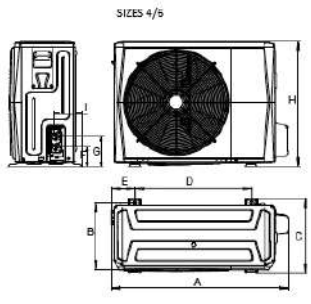
1. 3-way valve
2. Air conditioner circuit circulation pump
3. Safety valves
4. Air conditioner circuit expansion tank
5. Post-heating electric heating element manifold
6. Safety valves air conditioner circuit 3 bar
7. Electric heating elements safety thermostats
8. Air conditioner circuit heat exchanger
9. Flow switches
10. Air conditioning circuit pressure gauge
11. Anode tester
12. Touchscreen display
13. Electrical panel assembly
14. Cable clamp
15. Automatic air vent valves

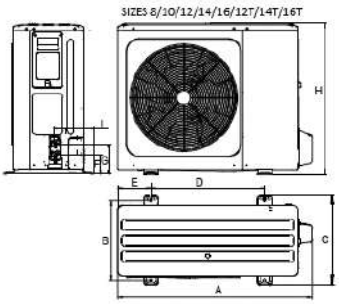
Tower indoor units

		4	6	8	10	12	14	16	12T	14T	16T
		SMALL				BIG					
A	mm	600	600	600	600	600	600	600	600	600	600
B	mm	600	600	600	600	600	600	600	600	600	600
H	mm	1980	1980	1980	1980	1980	1980	1980	1980	1980	1980
Weight	kg	183	183	183	183	183	183	183	183	183	183



Outdoor units





		4	6	8	10	12	14	16	12T	14T	16T
A	mm	1008	1008	1118	1118	1118	1118	1118	1118	1118	1118
B	mm	375	375	456	456	456	456	456	456	456	456
C	mm	426	426	523	523	523	523	523	523	523	523
D	mm	663	663	656	656	656	656	656	656	656	656
E	mm	134	134	191	191	191	191	191	191	191	191
F	mm	110	110	110	110	110	110	110	110	110	110
G	mm	170	170	170	170	170	170	170	170	170	170
H	mm	712	712	865	865	865	865	865	865	865	865
I	mm	160	160	230	230	230	230	230	230	230	230
Weight	kg	58	58	77	77	96	96	96	112	112	112

SINGLE-PHASE R32 TECHNICAL DATA					4			6			8			10		
ODU Sherpa S3 E					02284			02285			02286			02287		
IDU Sherpa S3 E					02294			02294			02294			02294		
IDU Sherpa Tower S3 E					02300			02300			02300			02300		
Compressor frequency					Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	2,42	4,25	5,66	3,53	6,20	8,26	4,73	8,30	11,05	5,70	10,0	13,32
	COP	a7/6 - w30/35	(a)	W/W	-	5,15	-	-	5,00	-	-	5,20	-	-	5,00	-
	Heating power	a2/1 - w30/35	(b)	kW	2,54	4,45	5,93	3,13	5,50	7,32	4,05	7,10	9,46	4,67	8,20	10,92
	COP	a2/1 - w30/35	(b)	W/W	-	4,05	-	-	3,95	-	-	4,10	-	-	4,05	-
	Heating power	a-7/-8 - w30/35	(c)	kW	2,74	4,80	6,39	3,48	6,10	8,12	4,05	7,10	9,46	4,70	8,25	10,99
	COP	a-7/-8 - w30/35	(c)	W/W	-	3,15	-	-	3,05	-	-	3,25	-	-	3,15	-
	Heating power	a-15/-16 - w30/35	(d)	kW	1,75	3,07	4,09	2,15	3,77	5,02	3,31	5,80	7,72	3,48	6,10	8,12
	COP	a-15/-16 - w30/35	(d)	W/W	-	2,88	-	-	2,83	-	-	2,98	-	-	3,01	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	2,48	4,35	5,79	3,62	6,35	8,46	4,67	8,20	10,92	5,70	10,00	13,32
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3,80	-	-	3,75	-	-	3,95	-	-	3,80	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	2,91	5,10	6,79	3,31	5,80	7,72	4,22	7,40	9,86	4,47	7,85	10,45
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	3,00	-	-	3,00	-	-	3,25	-	-	3,20	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	2,45	4,30	5,73	3,08	5,40	7,19	3,76	6,60	8,79	4,19	7,35	9,79
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2,35	-	-	2,40	-	-	2,55	-	-	2,55	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	1,52	2,66	3,54	1,86	3,27	4,35	2,87	5,04	6,71	3,03	5,31	7,07
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	2,02	-	-	1,98	-	-	2,32	-	-	2,34	-
	Cooling power	a35 - w23/18	(l)	kW	2,41	4,50	5,52	3,51	6,55	8,03	4,50	8,40	10,30	5,36	10,00	12,27
	EER	a35 - w23/18	(l)	W/W	-	5,55	-	-	4,90	-	-	5,05	-	-	4,80	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	2,52	4,70	5,77	3,75	7,00	8,59	3,97	7,40	9,08	4,40	8,20	10,06
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	3,45	-	-	3,00	-	-	3,38	-	-	3,30	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate			A+++			A+++			A+++			A+++		
	SCOP	Warmer Climate			6,46			6,57			6,99			7,09		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	255,4%			259,8%			276,6%			280,5%		
	Energy efficiency class in water heating 35°C	Average Climate			A+++			A+++			A+++			A+++		
	SCOP	Average Climate			4,85			4,95			5,22			5,20		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	191,0%			195,0%			205,6%			204,8%		
	Energy efficiency class in water heating 35°C	Cold Climate			A++			A++			A++			A++		
	SCOP	Cold Climate			4,06			4,21			4,33			4,32		
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	159,5%			165,3%			170,0%			169,8%		
	Energy efficiency class in water heating 55°C	Warmer Climate			A+++			A+++			A+++			A+++		
	SCOP	Warmer Climate			4,15			4,21			4,51			4,62		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	163,1%			165,4%			177,2%			181,7%		
	Energy efficiency class in water heating 55°C	Average Climate			A++			A++			A++			A++		
	SCOP	Average Climate			3,31			3,52			3,37			3,47		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	129,5%			137,9%			131,6%			135,7%		
	Energy efficiency class in water heating 55°C	Cold Climate			A+			A+			A+			A+		
	SCOP	Cold Climate			2,63			2,85			2,88			2,99		
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	102,1%			111,1%			112,1%			116,5%		
NOISE LEVEL	Indoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)	46/40			46/40			46/42			46/42		
	Indoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(n)	dB(A)	38/32			38/32			38/36			38/36		
	Outdoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)	56/52			58/53			59/54			60/55		
	Outdoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(o)	dB(A)	36/32			38/33			39/34			40/35		
ELECTRICAL DATA	System circulator absorption			W	3 - 87			3 - 87			3 - 87			3 - 87		
	Supply voltage indoor unit			V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50		
	Maximum current absorbed indoor unit with additional active heating elements			A	18,00			18,00			18,00			18,00		
	Maximum power absorbed indoor unit with additional active heating elements			kW	4,05			4,05			4,05			4,05		
	Additional electric heating elements			kW	1,5+1,5			1,5+1,5			1,5+1,5			1,5+1,5		
	Supply voltage outdoor unit			V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50		
	Outdoor unit maximum absorbed current			A	10			11			14			16		
	Outdoor unit maximum absorbed power			kW	2,2			2,6			3,3			3,6		
COOLING CIRCUIT	Compressor type				Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter		
	Refrigerant inlet connection diameter			"	1/4"-5/8"			1/4"-5/8"			3/8"-5/8"			3/8"-5/8"		
	Coolant gas		(p)		R32			R32			R32			R32		
	Global warming potential			GWP	675			675			675			675		
	Refrigerant gas charge			kg	1,5			1,5			1,65			1,65		
	Additional charge above 15m			g/m	20			20			38			38		
	Refrigerant piping length limit	min - max		m	2 - 30			2-30			2 - 30			2 - 30		
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)	m	30			30			20			20		
HYDRAULIC DATA	Hydraulic connections			"	1"			1"			1"			1"		
	Capacity of expansion vessel			l	8			8			8			8		
ONLY FOR SHERPA TOWER / INTEGRATED DHW BOILER	Load profile according to EN16147				XL			XL			XL			XL		
	DHW production energy efficiency class	Average Climate			A+			A+			A+			A+		
	ηHW (seasonal production efficiency DHW)	Average Climate		%	125%			125%			123%			123%		
	Boiler volume			l	200			200			200			200		
	Boiler interior surface material				DD12 glazed steel S235JR			DD12 glazed steel S235JR			DD12 glazed steel S235JR			DD12 glazed steel S235JR		
	Heat exchanger in the boiler			m²	2,4			2,4			2,4			2,4		
	Type and thickness of boiler insulation				Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm		
	Specific dispersion			W/K	2			2			2			2		
	DHW expansion tank capacity			l	7			7			7			7		
	DHW hydraulic connections			"	3/4"			3/4"			3/4"			3/4"		

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C
(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field distance
(p) Non-airtightly sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

SINGLE-PHASE R32 TECHNICAL DATA				12			14			16		
ODU Sherpa S3 E				02288			02289			02290		
IDU Sherpa S3 E				02295			02295			02295		
IDU Sherpa Tower S3 E				02301			02301			02301		
Compressor frequency				Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	5,65	12,10	15,79	6,77	14,50	18,92	7,47	16,00	20,88
	COP	a7/6 - w30/35	(a)	W/W	-	4,95	-	-	4,70	-	-	4,50	-
	Heating power	a2/1 - w30/35	(b)	kW	4,34	9,30	12,14	5,32	11,40	14,88	6,07	13,00	16,96
	COP	a2/1 - w30/35	(b)	W/W	-	3,95	-	-	3,65	-	-	3,50	-
	Heating power	a-7/-8 - w30/35	(c)	kW	4,67	10,00	13,05	5,60	12,00	15,66	6,21	13,3	17,35
	COP	a-7/-8 - w30/35	(c)	W/W	-	3,00	-	-	2,80	-	-	2,70	-
	Heating power	a-15/-16 - w30/35	(d)	kW	3,43	7,35	9,59	3,71	7,94	10,36	4,37	9,35	12,20
	COP	a-15/-16 - w30/35	(d)	W/W	-	2,88	-	-	2,85	-	-	2,66	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	5,74	12,30	16,05	6,63	14,20	18,53	7,47	16,00	20,88
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3,80	-	-	3,65	-	-	3,60	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	5,00	10,70	13,96	5,46	11,70	15,27	5,98	12,80	16,70
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	3,00	-	-	2,86	-	-	2,85	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	4,76	10,20	13,31	5,51	11,80	15,40	6,02	12,90	16,83
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2,40	-	-	2,35	-	-	2,23	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	3,10	6,63	8,65	3,34	7,16	9,34	3,93	8,41	10,97
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	2,32	-	-	2,29	-	-	2,03	-
	Cooling power	a35 - w23/18	(l)	kW	5,60	12,00	14,29	6,31	13,00	16,08	6,96	13,50	17,75
	EER	a35 - w23/18	(l)	W/W	-	4,00	-	-	3,70	-	-	3,61	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	5,42	11,60	13,82	5,93	12,70	15,13	6,54	14,00	16,67
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	2,75	-	-	2,55	-	-	2,45	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate			A+++			A+++			A+++	
	SCOP	Warmer Climate			6,48			6,58			6,47	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	256,1%			260,3%			255,6%	
	Energy efficiency class in water heating 35°C	Average Climate			A+++			A+++			A+++	
	SCOP	Average Climate			4,81			4,72			4,62	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	189,4%			185,7%			181,7%	
	Energy efficiency class in water heating 35°C	Cold Climate			A+			A++			A++	
	SCOP	Cold Climate			4,08			4,07			4,02	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	160,2%			159,6%			157,8%	
	Energy efficiency class in water heating 55°C	Warmer Climate			A+++			A+++			A+++	
	SCOP	Warmer Climate			4,43			4,49			4,48	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	174,1%			176,5%			176,1%	
	Energy efficiency class in water heating 55°C	Average Climate			A++			A++			A++	
	SCOP	Average Climate			3,45			3,47			3,41	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	135,1%			135,6%			133,3%	
	Energy efficiency class in water heating 55°C	Cold Climate			A+			A+			A+	
	SCOP	Cold Climate			3,02			3,05			3,12	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	117,8%			118,9%			121,8%	
NOISE LEVEL	Indoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)	48/46			48/46			48/46	
	Indoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(n)	dB(A)	40/38			40/38			40/38	
	Outdoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)	64/60			65/62			68/64	
	Outdoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(o)	dB(A)	44/40			45/42			48/44	
ELECTRICAL DATA	System circulator absorption			W	8 - 140			8 - 140			8 - 140	
	Supply voltage indoor unit			V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50	
	Maximum current absorbed indoor unit with additional active heating elements			A	31,0			31,0			31	
	Maximum power absorbed indoor unit with additional active heating elements			kW	7,05			7,05			7,05	
	Additional electric heating elements			kW	3,0+3,0			3,0+3,0			3,0+3,0	
	Supply voltage outdoor unit			V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50	
	Outdoor unit maximum absorbed current			A	23			25			25	
	Outdoor unit maximum absorbed power			kW	5,4			5,7			5,7	
COOLING CIRCUIT	Compressor type				Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter	
	Refrigerant inlet connection diameter			"	3/8"-5/8"			3/8"-5/8"			3/8"-5/8"	
	Coolant gas		(p)		R32			R32			R32	
	Global warming potential			GWP	675			675			675	
	Refrigerant gas charge			kg	1,84			1,84			1,84	
	Additional charge above 15m			g/m	38			38			38	
	Refrigerant piping length limit	min - max		m	2 - 30			2 - 30			2 - 30	
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)	m	15			15			15	
HYDRAULIC DATA	Hydraulic connections			"	1"			1"			1"	
	Capacity of expansion vessel			l	8			8			8	
ONLY FOR SHERPA TOWER	Load profile according to EN16147				XL			XL			XL	
INTEGRATED DHW BOILER	DHW production energy efficiency class	Average Climate			A			A			A	
	ηHW (seasonal production efficiency DHW)	Average Climate		%	95%			95%			95%	
	Boiler volume			l	200			200			200	
	Boiler interior surface material				DD12 glazed steel S235JR			DD12 glazed steel S235JR			DD12 glazed steel S235JR	
	Heat exchanger in the boiler			m²	2,4			2,4			2,4	
	Type and thickness of boiler insulation				Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm	
	Specific dispersion			W/K	2			2			2	
	DHW expansion tank capacity			l	7			7			7	
	DHW hydraulic connections			"	3/4"			3/4"			3/4"	

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C
(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field distance
(p) Non-airtightly sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

THREE-PHASE R32 TECHNICAL DATA					12T			14T			16T		
ODU Sherpa S3 E					02291			02292			02293		
IDU Sherpa S3 E					02295			02295			02295		
IDU Sherpa Tower S3 E					02301			02301			02301		
	Compressor frequency				Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	5,65	12,10	15,79	6,77	14,50	18,92	7,47	16,00	20,88
	COP	a7/6 - w30/35	(a)	W/W	-	4,95	-	-	4,70	-	-	4,50	-
	Heating power	a2/1 - w30/35	(b)	kW	4,34	9,30	12,14	5,32	11,40	14,88	6,07	13,00	16,96
	COP	a2/1 - w30/35	(b)	W/W	-	3,95	-	-	3,65	-	-	3,50	-
	Heating power	a-7/-8 - w30/35	(c)	kW	4,67	10,00	13,05	5,60	12,00	15,66	6,21	13,30	17,35
	COP	a-7/-8 - w30/35	(c)	W/W	-	3,00	-	-	2,80	-	-	2,70	-
	Heating power	a-15/-16 - w30/35	(d)	kW	3,43	7,35	9,59	3,71	7,94	10,36	4,37	9,35	12,20
	COP	a-15/-16 - w30/35	(d)	W/W	-	2,88	-	-	2,85	-	-	2,66	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	5,74	12,30	16,05	6,63	14,20	18,53	7,47	16,00	20,88
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3,80	-	-	3,65	-	-	3,60	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	5,00	10,70	13,96	5,46	11,70	15,27	5,98	12,80	16,70
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	3,00	-	-	2,86	-	-	2,85	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	4,76	10,20	13,31	5,51	11,80	15,40	6,02	12,90	16,83
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2,40	-	-	2,35	-	-	2,23	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	3,10	6,63	8,65	3,34	7,16	9,34	3,93	8,41	10,97
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	2,32	-	-	2,29	-	-	2,03	-
	Cooling power	a35 - w23/18	(l)	kW	5,60	12,00	14,29	6,31	13,00	16,08	6,96	13,50	17,75
	EER	a35 - w23/18	(l)	W/W	-	4,00	-	-	3,70	-	-	3,61	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	5,42	11,60	13,82	5,93	12,70	15,13	6,54	14,00	16,67
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	2,75	-	-	2,55	-	-	2,45	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate			A+++			A+++			A+++		
	SCOP	Warmer Climate			6,47			6,57			6,28		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	255,6%			259,8%			248,1%		
	Energy efficiency class in water heating 35°C	Average Climate			A+++			A+++			A+++		
	SCOP	Average Climate			4,81			4,72			4,62		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	189,3%			185,6%			181,6%		
	Energy efficiency class in water heating 35°C	Cold Climate			A++			A++			A++		
	SCOP	Cold Climate			4,08			4,07			4,02		
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	160,2%			159,6%			157,8%		
	Energy efficiency class in water heating 55°C	Warmer Climate			A+++			A+++			A+++		
	SCOP	Warmer Climate			4,42			4,49			4,47		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	173,8%			176,4%			175,9%		
	Energy efficiency class in water heating 55°C	Average Climate			A++			A++			A++		
	SCOP	Average Climate			3,45			3,47			3,41		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	135,1%			135,6%			133,2%		
	Energy efficiency class in water heating 55°C	Cold Climate			A+			A+			A+		
	SCOP	Cold Climate			3,02			3,05			3,12		
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	117,7%			118,9%			121,8%		
NOISE LEVEL	Indoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)	48/46			48/46			48/46		
	Indoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(n)	dB(A)	40/38			40/38			40/38		
	Outdoor unit sound power (reg. EU 811-2013/UNI EN 12102:2022)			dB(A)	64/60			65/62			68/64		
	Outdoor unit sound pressure (reg. EU 811-2013/UNI EN 12102:2022)		(o)	dB(A)	44/40			45/42			48/44		
ELECTRICAL DATA	System circulator absorption			W	8 - 140			8 - 140			8 - 140		
	Supply voltage indoor unit			V/ph/Hz	220-240/1/50			220-240/1/50			220-240/1/50		
	Maximum current absorbed indoor unit with additional active heating elements			A	31			31			31		
	Maximum power absorbed indoor unit with additional active heating elements			kW	7,05			7,05			7,05		
	Additional electric heating elements			kW	3,0+3,0			3,0+3,0			3,0+3,0		
	Supply voltage outdoor unit			V/ph/Hz	380-415/3/50			380-415/3/50			380-415/3/50		
	Outdoor unit maximum absorbed current			A	8			8			8		
	Outdoor unit maximum absorbed power			kW	5,4			5,7			5,7		
COOLING CIRCUIT	Compressor type				Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter		
	Refrigerant inlet connection diameter			"	3/8"-5/8"			3/8"-5/8"			3/8"-5/8"		
	Coolant gas		(p)		R32			R32			R32		
	Global warming potential			GWP	675			675			675		
	Refrigerant gas charge			kg	1,84			1,84			1,84		
	Additional charge above 15m			g/m	38			38			38		
	Refrigerant piping length limit	min - max		m	2 - 30			2 - 30			2 - 30		
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)	m	15			15			15		
HYDRAULIC DATA	Hydraulic connections			"	1"			1"			1"		
	Capacity of expansion vessel			l	8			8			8		
ONLY FOR SHERPA TOWER	Load profile according to EN16147				XL			XL			XL		
INTEGRATED DHW BOILER	DHW production energy efficiency class	Average Climate			A			A			A		
	ηHW (seasonal production efficiency DHW)	Average Climate		%	95%			95%			95%		
	Boiler volume			l	200			200			200		
	Boiler interior surface material				DD12 glazed steel S235JR			DD12 glazed steel S235JR			DD12 glazed steel S235JR		
	Heat exchanger in the boiler			m²	2,4			2,4			2,4		
	Type and thickness of boiler insulation				Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm			Hard expanded polyurethane 55 mm		
	Specific dispersion			W/K	2			2			2		
	DHW expansion tank capacity			l	7			7			7		
	DHW hydraulic connections			"	3/4"			3/4"			3/4"		

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C
(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field distance
(p) Non-airtightly sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

ACCESSORIES			suspended	tower
	B0971	Thermostatic mixing valve kit for DHW NEW	–	○
	B0972	Expansion tank kit for DHW NEW	–	○
CONTROLS	B0916	Kit 3-way valve for DHW	○	●
	B0917	Solar thermal probe kit	○	–
	B0623	Outdoor air temperature probe kit	○	○
	B0624	Kit DHW storage tank sensor	○	●
	B0931	Remote control display kit 10 m	○	○
STORAGE TANKS / PUFFER	01804	HE 200 L storage tank	○	–
	01805	HE 300 L storage tank	○	–
	01806	HES 300 L solar storage tank	○	–
	01807	Hybride boiler HY 300 L	○	–
	01808	HYS 300 L solar hybrid storage tank	○	–
	B0618	Resistance for boiler 2 kW	○	–
	B0666	Resistance for boiler 3 kW	○	–
	B0617	Resistance flange kit	○	–
	01199	Thermal accumulation 50 L	○	○
	01200	Thermal accumulation 100 L	○	○

○ Optional accessory | ● Standard accessory | – Accessory not compatible

Accessory description on page 56

Please note that optional accessories are available for purchase with all models of the heat pump. When compatibility is only possible with certain sizes, the information is shown in the table. Standard accessories are already included in the heat pump code.

Touchscreen interface

Sherpa Aquadue and Sherpa heat pumps, suspended and tower versions

HOME PAGE

The home page shows the following information:
A - System date and time
B - Current mode active (Stand-by, cooling, heating, DHW only)
C - Active functions (Climate Curve, Turbo DHW, DHW OFF, anti-legionella, Night, ECO)
D - Alarms/overrides in progress (flashing)
E - System water temperature values, system active timers, Holiday, Rating
F - DHW tank water temperature values, domestic hot water timers active, Holiday
G - Activation icons:
Mode: operation
Tset: system and domestic hot water set point
Tshow: temperature probe reading
Timers: hourly programming
Menu: machine functions

OPERATING MODE

By touching the Mode icon. the page for configuring the operating mode is accessed. This page shows the selection icons for all the available operating modes.
- Stand-by, the system is off
- Cooling, the system produces cold water until the set-point is reached (predetermined or dynamic set point defined by climatic curve)
- Heating the system produces hot water until the set-point is reached (predetermined or dynamic set point defined by the climatic curve)
- ECO, the system produces water until the ECO energy saving set-point is reached (if activate, the climate control the ECO set point is not considered)
- Night, the system limits the output and noise of the external unit
- DHW Turbo, the system produces domestic hot water using all the power of the outdoor unit up to to the set limit.

SET POINT

By touching the Tset icon, it is possible to access the set point configuration page.
- Cooling water temperature
- ECO cooling water temperature
- Heating water temperature
- ECO heating water temperature
- Domestic hot water temperature (external storage tank set point).

The cooling and heating set points are not considered by the controller if the set-point with climatic curve mode has been enabled.
The set point values are modified with a simple touch of the set value.

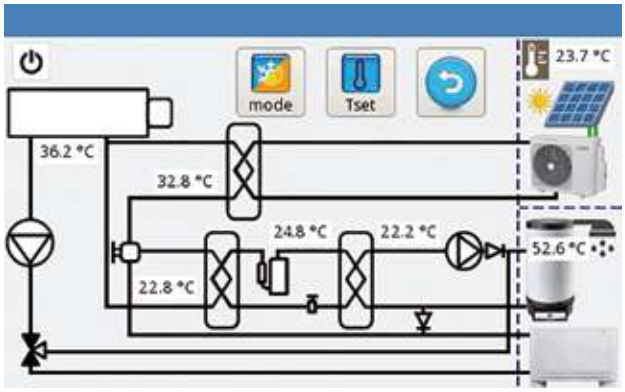
TIMERS

Tapping the Timers icon accesses the available schedules.
- Heating/cooling timer
- DHW timer
- Night timer
- Holidays

Touching the "Heating/Cooling Timer" icon or "DHW timer" or "Night timer" the page appears where it is possible to view the activation bands of each timer.

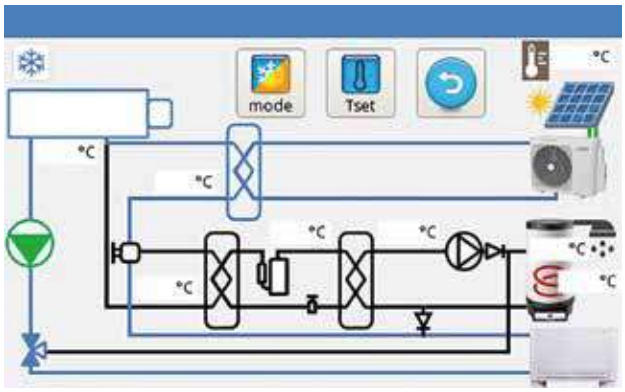
PHOTOVOLTAIC CONTACT

The machine has a contact that is used to activate a setpoint delta on the DHW, heating and cooling to accumulate thermal energy when there is an electrical overproduction from the photovoltaic system.
The photovoltaic function therefore allows the heat pump to force the accumulation of thermal energy in the system. Energy storage is obtained by adding a delta to the main circuit water temperature (colder water if in cooling mode, warmer water if in heating mode) and to the water contained in the DHW tank. Thanks to the possibility of storing domestic hot water at up to a maximum of 75°C, the Aquadue versions are used to store a large quantity of energy, thereby maximising photovoltaic overproduction.



SOLAR THERMAL PROBE

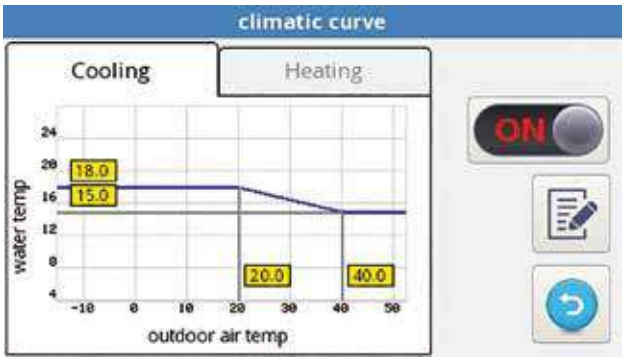
An additional probe that detects the temperature of the solar thermal pipes, inhibits the heat pump to produce DHW only with solar thermal if the delivery temperature of the solar panels is above a certain settable value or the difference between this temperature and the set point of the storage tank is higher than a certain settable value.



CLIMATIC CURVES

To optimise energy savings, two climatic curves are available, one for heating and one for cooling. They are used to adjust the water temperature to the outside air temperature and therefore to the thermal load.
The information displayed is:
- Cooling climatic curve and heating climatic curve diagrams,
- Values of the setting parameters of each curve
- It is possible to activate and deactivate each Climatic function
- It is possible to modify the parameters of the climatic curves

The characteristic parameters of each curve are:
- External air temperature for maximum water temperature
- Maximum water temperature
- External air temperature for minimum water temperature
- Minimum water temperature.



LOW TEMPERATURE ACTIVATION

On site when the system water is below 12°C, it is possible to activate the heating elements of the heat pump to allow the screed to be heated in the case of a heating system. By setting the specific parameter from the service menu, the installer enables one or two heating elements for low temperature start-up.

CHOICE OF COMMUNICATION PROTOCOL

Possibility of choosing between ModBus RTU or ASCII, for coupling with SiOS Control. By setting the specific parameter from the service menu, the installer enables communication with Modbus RTU protocol or with ASCII protocol.

SHERPA COLD

Split heat pump for cold climates

HIGH PERFORMANCE ALSO AT LOW TEMPERATURE

The defrosting cycles of the machine are optimised to guarantee high performance even with low external temperatures.

WIDE OPERATING LIMITS

Sherpa Cold can work up to outdoor air temperatures of -32°C and + 48°C

INVERTER SCROLL COMPRESSORS WITH STEAM INJECTION

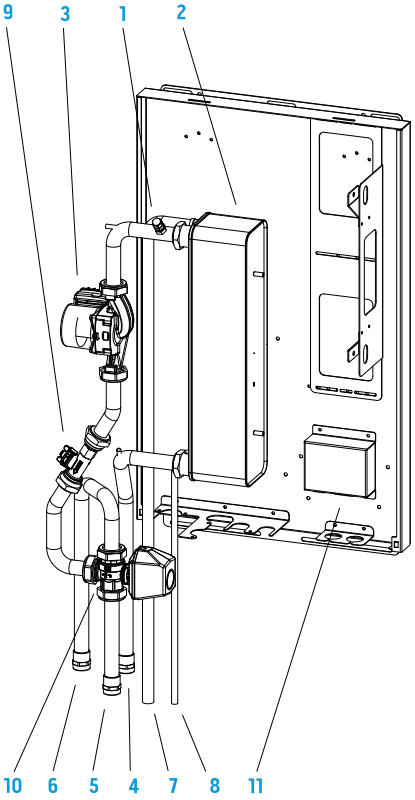
Technology that improves performance in low temperature applications.

FEATURES

- **Heat pump air-water inverter**
- **Energy efficiency class** in heating moderate climate: up to A+++ (35°C) and A++ (55°C)
- **Energy efficiency class** in heating cold climate: up to A+ (35°C) and A+(55°C)
- **Available power sizes:** 3 power sizes with R410A refrigerant single phase (10-12-15 kW) and 4 power sizes with R410A refrigerant three-phase (10-12-15-18 kW)
- **provides DHW** with temperature up to 55°C.
- **Compressor** Scroll Inverter with steam injection
- **Expansion valve**: electronic
- **Refrigeration circuit** with economiser
- **Remote control panel** colour touchscreen
- **Maintenance of the machine power** even with rigid external temperatures
- **Optimisation of the** machine's defrosting cycles and optimum performance even with rigid external temperatures
- **Operating limits:** up to -32°C, +48°C (see the technical manuals for details)
- **R410A** refrigerant gas*
- **External air probe** integrated in the machine
- **Devices supplied with the machine:**
- metal frame for installation of the external touch panel
- pair of 250 mm high metal feet with anti-vibration devices
- back metal mesh for battery protection
- integration kit - relay for activation of the boiler or other electrical heating element
- domestic hot water management kit - relay k1, 1-1/4" 3-way valve, b3 probe
- heating element for condensate drain pipe
- 800 mm fan grille to reduce noise (sizes 15, 15T, 18T)

* Equipment not hermetically sealed containing fluorinated gases with an equivalent GWP of 2088.

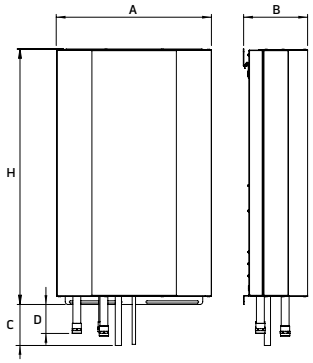
LAYOUT, DIMENSIONS, WEIGHT

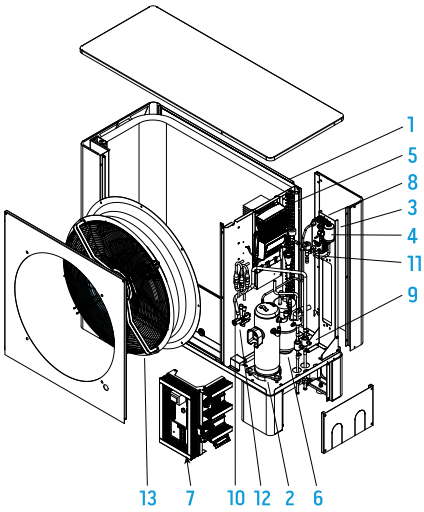


1. Vent valve
2. Plate heat exchanger
3. Circulation pump
4. Water inlet hose
5. Water outlet hose (system)
6. Water outlet hose (DHW)
7. Gas passage hose
8. Liquid passage hose
9. Flow meter
10. 3-way valve
11. Electrical panel

Indoor Units

		10	12	15	10 T	12 T	15 T	18 T
A	mm	550	550	550	550	550	550	550
B	mm	228	228	228	228	228	228	228
C	mm	147	147	147	147	147	147	147
D	mm	100	100	100	100	100	100	100
H	mm	907	907	907	907	907	907	907
Weight	kg	50	50	50	50	50	50	50

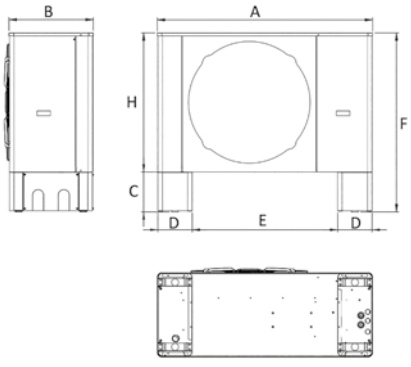




1. Evaporator
2. Compressor
3. Filter
4. Liquid indicator
5. Inverter
6. Liquid tank
7. Electrical panel
8. Economiser
9. Ball valve
10. Check valve
11. Electronic expansion valve
12. 4-way valve
13. Fan

Outdoor units

		10	12	15	10 T	12 T	15 T	18 T
A	mm	1406	1406	1591	1406	1406	1591	1591
B	mm	550	550	546	550	550	546	546
C	mm	259	259	259	259	259	259	259
D	mm	225	225	225	225	225	225	225
E	mm	949	949	1134	949	949	1134	1134
F	mm	1167	1167	1271	1167	1167	1271	1271
H	mm	908	908	1012	908	908	1012	1012
Weight	kg	160	160	200	160	160	200	200



	TECHNICAL DATA				10			12			15		
	ODU Sherpa Cold				02269			02271			02273		
	IDU Sherpa Cold				02276			02276			02277		
	Compressor frequency				Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	3.90	9.60	-	4.40	11.52	-	5.51	14.40	-
	COP	a7/6 - w30/35	(a)	W/W	-	4.27	-	-	4.24	-	-	4.68	-
	Heating power	a2/1 - w30/35	(b)	kW	4.80	9.60	-	5.76	11.52	-	6.82	14.40	-
	COP	a2/1 - w30/35	(b)	W/W	-	3.83	-	-	4.04	-	-	3.85	-
	Heating power	a-7/-8 - w30/35	(c)	kW	4.17	9.60	-	5.76	11.52	-	6.26	14.40	-
	COP	a-7/-8 - w30/35	(c)	W/W	-	2.98	-	-	3.22	-	-	2.98	-
	Heating power	a-15/-16 - w30/35	(d)	kW	3.72	8.93	-	5.24	11.52	-	5.52	13.25	-
	COP	a-15/-16 - w30/35	(d)	W/W	-	2.26	-	-	2.30	-	-	2.57	-
	Heating power	a-20/-19 - w30/35	(r)	kW	3.28	7.87	-	4.80	11.52	-	4.88	11.71	-
	COP	a-20/-19 - w30/35	(r)	W/W	-	2.09	-	-	1.97	-	-	2.43	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	3.90	9.60	-	4.44	11.50	-	5.51	14.40	-
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3.33	-	-	3.47	-	-	3.53	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	4.80	9.60	-	5.81	11.50	-	6.82	14.40	-
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	2.82	-	-	3.08	-	-	3.08	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	4.17	9.60	-	5.76	11.52	-	6.26	14.40	-
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2.33	-	-	2.55	-	-	2.45	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	3.68	8.83	-	5.02	11.04	-	5.36	12.86	-
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	1.90	-	-	1.91	-	-	2.03	-
	Heating power (fancoils)	a-20/-19 - w40/45	(s)	W/W	3.17	7.61	-	4.44	10.66	-	4.80	11.52	-
	COP (fancoils)	a-20/-19 - w40/45	(s)	W/W	-	1.76	-	-	1.68	-	-	1.92	-
	Cooling power	a35 - w23/18	(l)	kW	3.53	8.40	-	3.74	10.36	-	4.08	11.31	-
	EER	a35 - w23/18	(l)	W/W	-	4.26	-	-	4.08	-	-	4.45	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	2.71	6.44	-	2.87	7.94	-	3.13	8.67	-
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	3.31	-	-	3.15	-	-	3.45	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate				A+++			A+++			A+++	
	SCOP	Warmer Climate				4.62			4.69			4.79	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		181.8			184.8			188.6	
	Energy efficiency class in water heating 35°C	Average Climate				A+++			A+++			A+++	
	SCOP	Average Climate				4.50			4.58			4.60	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		177.3			180.3			181.1	
	Energy efficiency class in water heating 35°C	Cold Climate				A+			A+			A+	
	SCOP	Cold Climate				3.60			3.65			3.71	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		141,1			143			145.3	
	Energy efficiency class in water heating 55°C	Warmer Climate				A++			A++			A++	
	SCOP	Warmer Climate				3.27			3.43			3.45	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		127.8			134.2			135.1	
	Energy efficiency class in water heating 55°C	Average Climate				A++			A++			A++	
	SCOP	Average Climate				3.23			3.33			3.37	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		126.3			130.1			131.9	
	Energy efficiency class in water heating 55°C	Cold Climate				A+			A+			A+	
	SCOP	Cold Climate				2.68			2.60			2.76	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		104.2			101.2			107.3	
NOISE LEVEL	Indoor unit sound power			dB(A)		36			36			36	
	Indoor unit sound pressure		(n)	dB(A)		30			30			30	
	Outdoor unit sound power (nominal)			dB(A)		53.4			53.4			52.9	
	Outdoor unit sound pressure (nominal)		(o)	dB(A)		33.5			33.5			33	
ELECTRICAL DATA	System circulator absorption			W		75			75			75	
	Supply voltage indoor unit			V/ph/Hz		230/1/50			230/1/50			230/1/50	
	Maximum absorbed current of the internal unit			A		0.33			0.33			0.33	
	Maximum power consumption of the internal unit			kW		0.75			0.75			0.75	
	Additional electric heating elements			kW		-			-			-	
	Supply voltage outdoor unit			V/ph/Hz		230/1/50			230/1/50			230/1/50	
	Outdoor unit maximum absorbed current			A		24.6			34.3			38.7	
	Outdoor unit maximum absorbed power			kW		5.1			7.1			8.0	
COOLING CIRCUIT	Compressor type					Scroll with injection			Scroll with injection			Scroll with injection	
	Refrigerant inlet connection diameter			"		See installation manual			See installation manual			See installation manual	
	Coolant gas		(p)			R410A			R410A			R410A	
	Global warming potential			GWP		2088			2088			2088	
	Refrigerant gas charge			kg		5			5			6.5	
	Refrigerant piping length limit without minimum surface verification		(q)			-			-			-	
HYDRAULIC DATA	Hydraulic connections			"		1"			1"			1"	
	Capacity of expansion vessel			l		-			-			-	

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C
(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 4 m in free field distance
(p) Non-airtightly sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks are necessary on the minimum surface of the installation rooms, check the technical manual
(r) Heating mode, external air temperature -20°C b.s./-19°C b.u., inlet/outlet water temperature 30°C/35°C
(s) Heating mode, external air temperature -20°C b.s./-19°C b.u., inlet/outlet water temperature 40°C/45°C

	TECHNICAL DATA				10 T			12 T			15 T			18 T		
	ODU Sherpa Cold				02270			02272			02274			02275		
	IDU Sherpa Cold				02276			02276			02277			02278		
	Compressor frequency				Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	3.90	9.60	-	4.40	11.52	-	5.51	14.40	-	6.24	17.28	-
	COP	a7/6 - w30/35	(a)	W/W	-	4.27	-	-	4.24	-	-	4.68	-	-	4.34	-
	Heating power	a2/1 - w30/35	(b)	kW	4.80	9.60	-	5.76	11.52	-	6.82	14.40	-	7.78	17.28	-
	COP	a2/1 - w30/35	(b)	W/W	-	3.83	-	-	4.04	-	-	3.85	-	-	3.37	-
	Heating power	a-7/-8 - w30/35	(c)	kW	4.17	9.60	-	5.76	11.52	-	6.26	14.40	-	7.20	17.28	-
	COP	a-7/-8 - w30/35	(c)	W/W	-	2.98	-	-	3.22	-	-	2.98	-	-	2.61	-
	Heating power	a-15/-16 - w30/35	(d)	kW	3.72	8.93	-	5.24	11.52	-	5.52	13.25	-	6.40	15.36	-
	COP	a-15/-16 - w30/35	(d)	W/W	-	2.26	-	-	2.30	-	-	2.57	-	-	2.23	-
	Heating power	a-20/-19 - w30/35	(r)	kW	3.28	7.87	-	4.80	11.52	-	4.88	11.71	-	5.60	13.44	-
	COP	a-20/-19 - w30/35	(r)	W/W	-	2.09	-	-	1.97	-	-	2.43	-	-	2.03	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	3.90	9.60	-	4.44	11.50	-	5.51	14.40	-	6.24	17.28	-
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3.33	-	-	3.47	-	-	3.53	-	-	3.05	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	4.80	9.60	-	5.81	11.50	-	6.82	14.40	-	7.78	17.28	-
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	2.82	-	-	3.08	-	-	3.08	-	-	2.80	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	4.17	9.60	-	5.76	11.52	-	6.26	14.40	-	7.20	17.28	-
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2.33	-	-	2.55	-	-	2.45	-	-	2.20	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	3.68	8.83	-	5.02	11.04	-	5.36	12.86	-	5.80	13.92	-
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	1.90	-	-	1.91	-	-	2.03	-	-	1.90	-
	Heating power (fancoils)	a-20/-19 - w40/45	(s)	W/W	3.17	7.61	-	4.44	10.66	-	4.80	11.52	-	5.20	12.48	-
	COP (fancoils)	a-20/-19 - w40/45	(s)	W/W	-	1.76	-	-	1.68	-	-	1.92	-	-	1.79	-
	Cooling power	a35 - w23/18	(l)	kW	3.53	8.40	-	3.74	10.36	-	4.08	11.31	-	6.62	15.72	-
	EER	a35 - w23/18	(l)	W/W	-	4.26	-	-	4.08	-	-	4.45	-	-	4.11	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	2.71	6.44	-	2.87	7.94	-	3.13	8.67	-	5.08	12.34	-
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	3.31	-	-	3.15	-	-	3.45	-	-	2.99	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate			A+++			A+++			A+++			A+++		
	SCOP	Warmer Climate			4.51			4.69			4.79			4.66		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	177.6			184.8			188.6			183.7		
	Energy efficiency class in water heating 35°C	Average Climate			A+++			A+++			A+++			A+++		
	SCOP	Average Climate			4.50			4.58			4.60			4.45		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	177.3			180.3			181.1			175		
	Energy efficiency class in water heating 35°C	Cold Climate			A+			A+			A+			A+		
	SCOP	Cold Climate			3.60			3.65			3.71			3.44		
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	141.1			143			145.3			134.6		
	Energy efficiency class in water heating 55°C	Warmer Climate			A++			A++			A++			A+		
	SCOP	Warmer Climate			3.27			3.43			3.45			3.19		
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %	127.8			134.2			135.1			124.7		
	Energy efficiency class in water heating 55°C	Average Climate			A++			A++			A++			A+		
	SCOP	Average Climate			3.23			3.33			3.37			3.13		
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %	126.3			130.1			131.9			122.2		
	Energy efficiency class in water heating 55°C	Cold Climate			A+			A+			A+			A		
	SCOP	Cold Climate			2.68			2.60			2.76			2.51		
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %	104.2			101.2			107.3			97.4		
NOISE LEVEL	Indoor unit sound power			dB(A)	36			36			36			37		
	Indoor unit sound pressure		(n)	dB(A)	30			30			30			31		
	Outdoor unit sound power (nominal)			dB(A)	53.4			53.4			52.9			54		
	Outdoor unit sound pressure (nominal)		(o)	dB(A)	33.5			33.5			33			34		
ELECTRICAL DATA	System circulator absorption			W	75			75			75			85		
	Supply voltage indoor unit			V/ph/Hz	230/1/50			230/1/50			230/1/50			230/1/50		
	Maximum absorbed current of the internal unit			A	0.33			0.33			0.33			0.33		
	Maximum power consumption of the internal unit			kW	0.75			0.75			0.75			0.75		
	Additional electric heating elements			kW	-			-			-			-		
	Supply voltage outdoor unit			V/ph/Hz	400/3/50			400/3/50			400/3/50			400/3/50		
	Outdoor unit maximum absorbed current			A	8.2			11.4			12.8			13.6		
	Outdoor unit maximum absorbed power			kW	5.1			7.1			8.0			8.5		
COOLING CIRCUIT	Compressor type				Scroll with injection			Scroll with injection			Scroll with injection			Scroll with injection		
	Refrigerant inlet connection diameter			"	See installation manual			See installation manual			See installation manual			See installation manual		
	Coolant gas		(p)		R410A			R410A			R410A			R410A		
	Global warming potential			GWP	2088			2088			2088			2088		
	Refrigerant gas charge			kg	5			5			6.5			6.5		
	Refrigerant piping length limit without minimum surface verification		(q)		-			-			-			-		
HYDRAULIC DATA	Hydraulic connections			"	1"			1"			1"			1"		
	Capacity of expansion vessel			l	-			-			-			-		

ACCESSORIES

ACCESSORIES	B0900	Cable for Modbus connection touch panel 100m	▼
	B0899	Metallic frame for touch panel external installation	O
	B0906	Aesthetic fan cover front grille	≤ 12T
	B0907	Aesthetic fan cover front grille	≥ 15
	B0915	Brass Y filter	O
STORAGE TANKS / PUFFER	01804	HE 200 L storage tank	≤ 10T
	01805	HE 300 L storage tank	O
	01806	HES 300 L solar storage tank	≤ 15T
	01200	Thermal accumulation 100 L	≤ 10T
	B0618	Resistance for boiler 2 kW	O
	B0666	Resistance for boiler 3 kW	O
	B0617	Resistance flange kit	O

● Standard accessory | O Optional accessory | ▼ Required accessory | – Accessory not compatible

Accessory description on page 56

Please note that optional accessories are available for purchase with all models of the heat pump. When compatibility is only possible with certain sizes, the information is shown in the table. Standard accessories are already included in the heat pump code.

SHERPA MONOBLOC S1

Monoblock heat pump

Compatible with: SiOS CONTROL

COMPACT TECHNOLOGY

Compact unit and reduced dimensions. For all power sizes the machine is equipped with a single fan unit.

DOMESTIC HOT WATER UP TO 60°C

Domestic hot water is available with temperatures up to 60°C.

LOW GWP GAS

All power sizes use the R32 refrigerant, characterised by greater efficiency and a greenhouse effect reduced by almost 70% (compared to R410A).

FEATURES

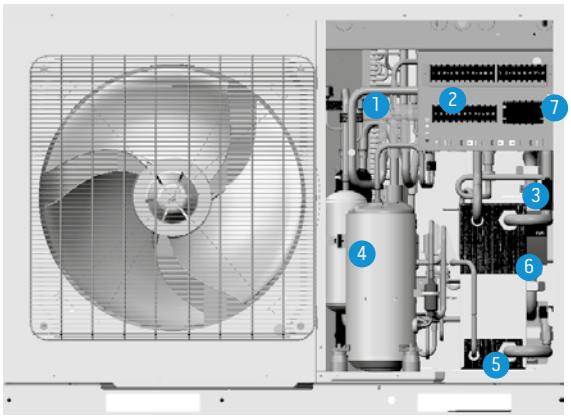
- **Inverter air-water heat pump**
- **Energy efficiency class** in average climate heating: A+++ (35°C) and A++ (55°C)
- **Powers available:** 4 Powers with single-phase R32 refrigerant (6-8-12-16 kW) and 2 Powers with three-phase R32 refrigerant (12-16 kW)
- **DHW production:** up to 60°C
- **Compressor:** airtight twin rotary DC Inverter with steam injection, complete with thermal protection
- **Expansion valve:**electronic
- **Refrigerant circuit** with economiser.
- **Water side exchange battery:** with stainless steel plates, complete with antifreeze heater.
- **Air side heat exchange battery:** with finned battery with copper pipes and aluminium-manganese fins with Golden Fin anti-corrosion treatment, in epoxy resin and hydrophilic treatment.
- **Helical fan** with brushless DC motors equipped with internal thermal protection, safety protection grilles and proportional electronic device for continuous adjustment of the rotation speed of the fans.
- **Remote ambient air temperature probe**, for managing of the unit on the ambient set-point.
- **Structure:** in galvanised steel sheet, complete with condensate tray and unit base antifreeze resistance.
- **Standard touch screen remote control panel**, with 8 m connection cable. Integrated Wi-Fi module for machine management via smartphone and tablet, with a dedicated app (Ewpe).
- **Refrigerant gas:** R32*
- **Operating limits:** -25°C +48°C.
- **External air probe** integrated in the machine.

REMOTE CONTROL VIA APP Ewpe

The heat pump can be controlled remotely with Tablet and Smartphone thanks to the standard Wi-Fi module (to be interfaced with a wireless router connected to the Internet). The "Ewpe" App can be downloaded free of charge from the Google and Apple Stores, which allows control of the machine via the Cloud.

* Equipment hermetically sealed containing fluorinated gases with an equivalent GWP of 675 (R32)

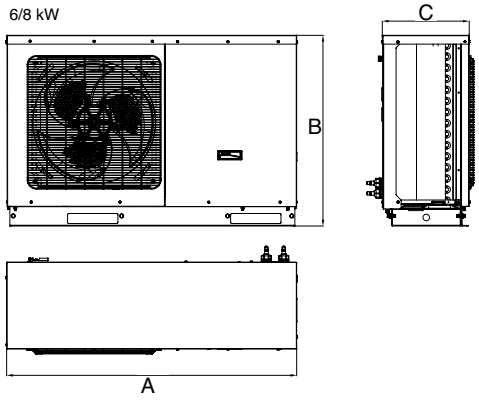
LAYOUT, DIMENSIONS, WEIGHT



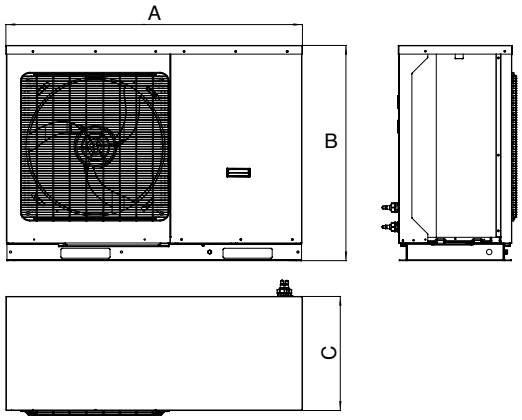
1. Reversible gas circuit
2. Electrical panel
3. Flow switch
4. DC inverter rotary compressor
5. Plate heat exchanger
6. Variable range circulator
7. Expansion vessel (2 or 3 litres)

		6	8	12	16	12T	16T
A	mm	1150	1150	1200	1200	1200	1200
B	mm	758	758	878	878	878	878
C	mm	345	345	460	460	460	460
Weight	kg	96	96	151	151	151	151

6/8 kW



12/12T/16/16T



	TECHNICAL DATA					6			8			12			16		
						02021			02022			02023			02025		
	Compressor frequency					Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	(E)	kW	2.40	6.00	-	2.40	7.50	-	4.80	12.00	-	6.20	15.50	-
	COP	a7/6 - w30/35	(a)	(E)	W/W	-	5.00	-	-	4.60	-	-	4.55	-	-	4.31	-
	Heating power	a2/1 - w30/35	(b)		kW	2.04	5.50	-	2.55	6.38	-	4.08	11.90	-	5.27	13.00	-
	COP	a2/1 - w30/35	(b)		W/W	-	4.10	-	-	3.93	-	-	4.14	-	-	4.05	-
	Heating power	a-7/-8 - w30/35	(c)		kW	1.68	4.92	-	2.10	5.39	-	3.36	9.60	-	4.34	10.65	-
	COP	a-7/-8 - w30/35	(c)		W/W	-	3.16	-	-	3.00	-	-	2.80	-	-	3.08	-
	Heating power	a-15/-16 - w30/35	(d)		kW	1.34	3.90	-	1.68	4.50	-	2.69	8.76	-	3.47	10.54	-
	COP	a-15/-16 - w30/35	(d)		W/W	-	2.39	-	-	2.29	-	-	1.79	-	-	1.62	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	(E)	kW	2.40	6.00	-	3.00	7.50	-	4.80	12.00	-	6.20	15.50	-
	COP (fancoils)	a7/6 - w40/45	(f)	(E)	W/W	-	3.80	-	-	3.75	-	-	3.45	-	-	3.30	-
	Heating power (fancoils)	a2/1 - w40/45	(g)		kW	2.04	5.50	-	2.55	6.30	-	4.08	11.50	-	5.27	13.00	-
	COP (fancoils)	a2/1 - w40/45	(g)		W/W	-	3.27	-	-	3.04	-	-	3.20	-	-	3.08	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)		kW	1.68	4.02	-	2.10	4.90	-	3.36	8.60	-	4.34	10.78	-
	COP (fancoils)	a-7/-8 - w40/45	(h)		W/W	-	2.04	-	-	2.02	-	-	2.60	-	-	2.24	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)		kW	1.34	2.82	-	1.68	3.60	-	2.69	8.04	-	3.47	9.92	-
	COP (fancoils)	a-15/-16 - w40/45	(i)		W/W	-	1.36	-	-	1.23	-	-	1.76	-	-	1.58	-
	Cooling power	a35 - w23/18	(l)	(E)	kW	2.32	5.80	-	2.72	6.80	-	4.40	11.00	-	5.80	14.50	-
	EER	a35 - w23/18	(l)	(E)	W/W	-	4.30	-	-	4.30	-	-	4.30	-	-	3.77	-
	Cooling power (fancoils)	a35 - w12/7	(m)	(E)	kW	1.60	4.00	-	2.00	5.00	-	3.62	9.50	-	5.20	13.00	-
	EER (fancoils)	a35 - w12/7	(m)	(E)	W/W	-	3.10	-	-	3.10	-	-	3.05	-	-	2.65	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate					A+++			A+++			A+++			A+++	
	SCOP	Warmer Climate					5.85			5.93			5.68			5.68	
	ηs (Seasonal efficiency for space heating)	Warmer Climate			ηs %		231			234			224			224	
	Energy efficiency class in water heating 35°C	Average Climate					A+++			A+++			A+++			A++	
	SCOP	Average Climate					4.7			4.65			4.45			4.18	
	ηs (Seasonal efficiency for space heating)	Average Climate			ηs %		185			183			175			164	
	Energy efficiency class in water heating 35°C	Cold Climate					A+			A+			A+			A+	
	SCOP	Cold Climate					3.68			3.69			3.6			3.43	
	ηs (Seasonal efficiency for space heating)	Cold Climate			ηs %		144			144			141			134	
	Energy efficiency class in water heating 55°C	Warmer Climate					A+++			A+++			A++			A++	
	SCOP	Warmer Climate					3.98			3.98			3.8			3.8	
	ηs (Seasonal efficiency for space heating)	Warmer Climate			ηs %		156			156			149			149	
	Energy efficiency class in water heating 55°C	Average Climate					A++			A++			A++			A++	
	SCOP	Average Climate		(E)			3.23			3.25			3.23			3.2	
	ηs (Seasonal efficiency for space heating)	Average Climate		(E)	ηs %		126			127			126			125	
	Energy efficiency class in water heating 55°C	Cold Climate					A+			A+			A+			A	
	SCOP	Cold Climate					2.7			2.78			2.75			2.5	
	ηs (Seasonal efficiency for space heating)	Cold Climate			ηs %		105			108			107			97	
NOISE LEVEL	Indoor unit sound power				dB(A)		-			-			-			-	
	Indoor unit sound pressure		(n)		dB(A)		-			-			-			-	
	Outdoor unit sound power (nominal)			(E)	dB(A)		64			65			69			72	
	Outdoor unit sound pressure (nominal)		(o)		dB(A)		56			56			57			57	
ELECTRICAL DATA	System circulator absorption				W		4-75			4-75			4-75			4-75	
	Supply voltage indoor unit				V/ph/Hz		-			-			-			-	
	Maximum absorbed current of the internal unit with active heating elements				A		-			-			-			-	
	Internal unit maximum power consumption with active heating elements				kW		-			-			-			-	
	Additional electric heating elements				kW		-			-			-			-	
	Supply voltage outdoor unit				V/ph/Hz		220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50	
	Outdoor unit maximum absorbed current				A		10.4			10.4			25			29	
	Outdoor unit maximum absorbed power				kW		2.3			2.3			5.75			6.67	
COOLING CIRCUIT	Compressor type						Inverter rotary			Inverter rotary			Inverter rotary			Inverter rotary	
	Refrigerant inlet connection diameter				"		-			-			-			-	
	Coolant gas		(p)				R32			R32			R32			R32	
	Global warming potential				GWP		675			675			675			675	
	Refrigerant gas charge				kg		0.87			0.87			2.2			2.2	
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018		(q)				-			-			-			-	
HYDRAULIC DATA	Hydraulic connections				"		1			1			1			1	
	Capacity of expansion vessel				l		2			2			3			3	

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(E) Eurovent certified data at nominal condition only
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C
(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(p) Airtightally sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

TECHNICAL DATA						12T			16T		
						02024			02026		
	Compressor frequency					Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	(E)	kW	4.80	12.00	-	6.20	15.50	-
	COP	a7/6 - w30/35	(a)	(E)	W/W	-	4.55	-	-	4.30	-
	Heating power	a2/1 - w30/35	(b)		kW	4.08	11.90	-	5.27	13.00	-
	COP	a2/1 - w30/35	(b)		W/W	-	4.14	-	-	4.05	-
	Heating power	a-7/-8 - w30/35	(c)		kW	3.36	9.60	-	4.34	10.65	-
	COP	a-7/-8 - w30/35	(c)		W/W	-	2.80	-	-	3.08	-
	Heating power	a-15/-16 - w30/35	(d)		kW	2.69	8.76	-	3.47	10.54	-
	COP	a-15/-16 - w30/35	(d)		W/W	-	1.79	-	-	1.62	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	(E)	kW	4.80	11.00	-	6.20	15.50	-
	COP (fancoils)	a7/6 - w40/45	(f)	(E)	W/W	-	3.16	-	-	3.30	-
	Heating power (fancoils)	a2/1 - w40/45	(g)		kW	4.08	11.50	-	5.27	13.00	-
	COP (fancoils)	a2/1 - w40/45	(g)		W/W	-	3.20	-	-	3.08	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)		kW	3.36	8.60	-	4.34	10.78	-
	COP (fancoils)	a-7/-8 - w40/45	(h)		W/W	-	2.60	-	-	2.24	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)		kW	2.69	8.04	-	3.47	9.92	-
	COP (fancoils)	a-15/-16 - w40/45	(i)		W/W	-	1.70	-	-	1.58	-
	Cooling power	a35 - w23/18	(l)	(E)	kW	4.40	11.00	-	5.80	14.50	-
	EER	a35 - w23/18	(l)	(E)	W/W	-	4.30	-	-	3.80	-
	Cooling power (fancoils)	a35 - w12/7	(m)	(E)	kW	3.62	9.50	-	5.20	13.00	-
	EER (fancoils)	a35 - w12/7	(m)	(E)	W/W	-	2.97	-	-	2.75	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate					A+++			A+++	
	SCOP	Warmer Climate					5.68			5.68	
	ηs (Seasonal efficiency for space heating)	Warmer Climate			ηs %		224			224	
	Energy efficiency class in water heating 35°C	Average Climate					A+++			A++	
	SCOP	Average Climate					4.45			4.18	
	ηs (Seasonal efficiency for space heating)	Average Climate			ηs %		175			164	
	Energy efficiency class in water heating 35°C	Cold Climate					A+			A+	
	SCOP	Cold Climate					3.6			3.43	
	ηs (Seasonal efficiency for space heating)	Cold Climate			ηs %		141			134	
	Energy efficiency class in water heating 55°C	Warmer Climate					A++			A++	
	SCOP	Warmer Climate					3.8			3.8	
	ηs (Seasonal efficiency for space heating)	Warmer Climate			ηs %		149			149	
	Energy efficiency class in water heating 55°C	Average Climate					A++			A++	
	SCOP	Average Climate		(E)			3.23			3.2	
	ηs (Seasonal efficiency for space heating)	Average Climate		(E)	ηs %		126			125	
	Energy efficiency class in water heating 55°C	Cold Climate					A+			A	
	SCOP	Cold Climate					2.75			2.5	
	ηs (Seasonal efficiency for space heating)	Cold Climate			ηs %		107			97	
NOISE LEVEL	Indoor unit sound power				dB(A)		-			-	
	Indoor unit sound pressure		(n)		dB(A)		-			-	
	Outdoor unit sound power (nominal)			(E)	dB(A)		69			72	
	Outdoor unit sound pressure (nominal)		(o)		dB(A)		57			57	
ELECTRICAL DATA	System circulator absorption				W		4-75			4-75	
	Supply voltage indoor unit				V/ph/Hz		-			-	
	Maximum absorbed current of the internal unit with active heating elements				A		-			-	
	Internal unit maximum power consumption with active heating elements				kW		-			-	
	Additional electric heating elements				kW		-			-	
	Supply voltage outdoor unit				V/ph/Hz		380-415/3/50			380-415/3/50	
	Outdoor unit maximum absorbed current				A		12			12	
	Outdoor unit maximum absorbed power				kW		7.8			7.8	
COOLING CIRCUIT	Compressor type						Inverter rotary			Inverter rotary	
	Refrigerant inlet connection diameter				"		-			-	
	Coolant gas		(p)				R32			R32	
	Global warming potential				GWP		675			675	
	Refrigerant gas charge				kg		2.2			2.2	
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018		(q)				-			-	
HYDRAULIC DATA	Hydraulic connections				"		1			1	
	Capacity of expansion vessel				l		3			3	

ACCESSORIES

CONTROLS	B0916	Kit 3-way valve for DHW	○
	B0866	Extension cord remote control panel kit 15m	○
STORAGE TANKS / PUFFER	01804	HE 200 L storage tank	○
	01805	HE 300 L storage tank	○
	01806	HES 300 L solar storage tank	○
	01807	Hybride boiler HY 300 L	○
	01808	HYS 300 L solar hybrid storage tank	○
	B0618	Resistance for boiler 2 kW	○
	B0666	Resistance for boiler 3 kW	○
	B0617	Resistance flange kit	○
	01199	Thermal accumulation 50 L	○
	01200	Thermal accumulation 100 L	○

○ Optional accessory | ● Standard accessory | — Accessory not compatible

Accessory description on page 50

Please note that optional accessories are available for purchase with all models of the heat pump. When compatibility is only possible with certain sizes, the information is shown in the table. Standard accessories are already included in the heat pump code.

NEW

SHERPA MONOBLOC S2

041-K028-01
041-K028-02

SG Ready Smart Heat Pumps

Compatible with: SiOS CONTROL

Monoblock heat pump

COMPACT TECHNOLOGY

Compact unit and reduced dimensions. For all power sizes the machine is equipped with a single fan unit.

DOMESTIC HOT WATER UP TO 60°C

Sherpa supplies Domestic Hot Water with temperatures up to 60°C.

60C°

LOW GWP GAS

All power sizes use the R32 refrigerant, characterised by greater efficiency and a greenhouse effect reduced by almost 70% (compared to R410A).

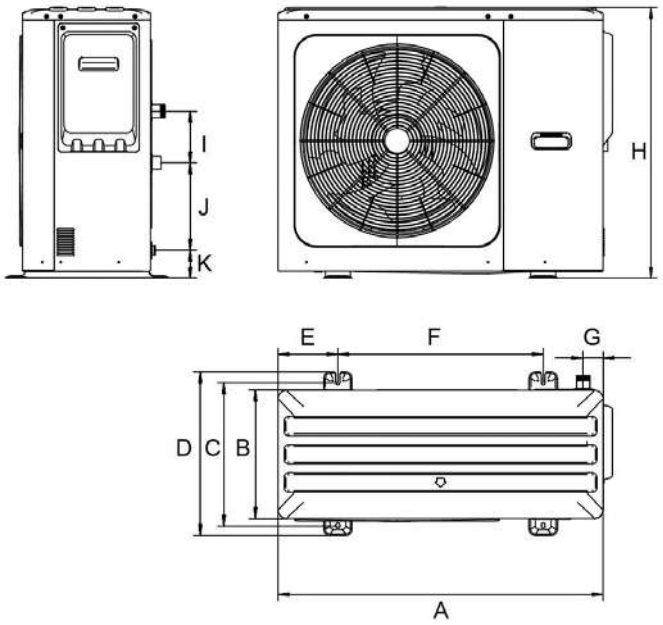
LOW GWP REFRIGERANT R32

FEATURES

- **Air-water heat pump inverter**
- **Energy efficiency class** in heating moderate climate: A+++ (35°C) e A++ (55°C)
- **Power available:** 9 versions with R32 refrigerant single-phase (6-8-10-12-14-16 kW) three-phase power supplies (12-14-16 kW)
- **DHW production:** up to 60°C
- **Compressor**: twin rotary DC.
- **Expansion valve:** electronic.
- **Fan** with brushless DC motor.
- **Standard supply remote touchscreen control panel** (connection cable up to 50 m not included). Integrated Wi-Fi module for controlling the machine via smartphone and table, with relevant app (Comfort Home)
- **Refrigerant gas:** R32*
- **Operating limits:** up to -25°C, +43°C (see technical manuals for details)
- **External air probe** integrated in the machine.
- **Domestic Hot Water storage tank probe:** standard supply with the machine.
- **Cascade management:** up to 6 units can be connected (of the same size), 1 Master and 5 Slaves (only the Master unit can produce domestic hot water).

* Equipment hermetically sealed containing fluorinated gases with an equivalent GWP of 675 (R32)

LAYOUT, DIMENSIONS, WEIGHT



		6	8	10	12	14	16	12T	14T	16T
		MONOFAN								
A	mm	1040	1040	1040	1040	1040	1040	1040	1040	1040
B	mm	410	410	410	410	410	410	410	410	410
C	mm	458	458	458	458	458	458	458	458	458
D	mm	523	523	523	523	523	523	523	523	523
E	mm	191	191	191	191	191	191	191	191	191
F	mm	656	656	656	656	656	656	656	656	656
G	mm	64	64	64	64	64	64	64	64	64
H	mm	865	865	865	865	865	865	865	865	865
I	mm	165	165	165	165	165	165	165	165	165
J	mm	279	279	279	279	279	279	279	279	279
K	mm	89	89	89	89	89	89	89	89	89
Weight	kg	87	87	87	106	106	106	120	120	120

CASCADING

Cascading of up to 6 units. System power up to 96 kW.

REMOTE CONTROL VIA APP COMFORT HOME

The heat pump can be controlled remotely with Tablet and Smartphone thanks to the standard Wi-Fi module (to be interfaced with a wireless router connected to the Internet). The "Comfort Home" App can be downloaded free of charge from the Google and Apple Stores, which allows control of the machine via the Cloud.

	TECHNICAL DATA				6			8			10			12			14			16		
	Sherpa Monobloc S2 E				02303			02304			02305			02306			02307			02308		
	Compressor frequency				Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	-	6,5	8,47	-	8,4	9,56	-	10	11,16	-	12,2	13,42	-	14,1	15,27	-	16	18,23
	COP	a7/6 - w30/35	(a)	W/W	-	5,3	-	-	5,05	-	-	4,7	-	-	4,9	-	-	4,7	-	-	4,5	-
	Heating power	a2/1 - w30/35	(b)	kW	-	5,6	7,64	-	7,1	8,52	-	8,2	9,94	-	12,3	12,3	-	13	13,56	-	14,5	14,76
	COP	a2/1 - w30/35	(b)	W/W	-	4,2	-	-	3,95	-	-	3,8	-	-	3,6	-	-	3,5	-	-	3,25	-
	Heating power	a-7/-8 - w30/35	(c)	kW	-	6,2	6,67	-	7,1	7,65	-	8	8,4	-	11,6	12,1	-	12,5	13,2	-	13,5	14,1
	COP	a-7/-8 - w30/35	(c)	W/W	-	3,2	-	-	3,15	-	-	3	-	-	2,85	-	-	2,8	-	-	2,7	-
	Heating power	a-15/-16 - w30/35	(d)	kW	-	5,59	5,59	-	6,07	6,07	-	6,48	6,48	-	10,35	10,35	-	11,22	11,22	-	11,82	11,82
	COP	a-15/-16 - w30/35	(d)	W/W	-	2,58	-	-	2,54	-	-	2,5	-	-	2,39	-	-	2,35	-	-	2,22	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	-	6,6	8,14	-	8,5	9,28	-	10,2	10,87	-	12,5	13,14	-	14,5	14,87	-	16,2	18,07
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	4	-	-	3,8	-	-	3,65	-	-	3,7	-	-	3,55	-	-	3,45	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	-	6,5	7,03	-	7,5	8,22	-	8,5	9,42	-	12	12	-	13	13,28	-	14,3	14,74
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	3,15	-	-	3,05	-	-	2,95	-	-	2,9	-	-	2,8	-	-	2,7	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	-	6,1	6,47	-	6,8	7,43	-	7,4	8,16	-	11,5	11,5	-	12,5	12,5	-	13,5	13,5
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2,6	-	-	2,5	-	-	2,4	-	-	2,4	-	-	2,3	-	-	2,25	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	-	5,45	5,45	-	5,92	5,92	-	6,33	6,33	-	9,62	9,62	-	10,3	10,3	-	10,96	10,96
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	2,23	-	-	2,2	-	-	2,14	-	-	2,11	-	-	2,07	-	-	1,98	-
	Cooling power	a35 - w23/18	(l)	kW	-	6,5	9,27	-	8,3	10,31	-	10	10,31	-	12,2	16,11	-	13,9	17,13	-	15,4	17,13
	EER	a35 - w23/18	(l)	W/W	-	5,1	-	-	4,85	-	-	4,3	-	-	4,6	-	-	4,4	-	-	4,2	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	-	5,5	6,84	-	7,4	8,66	-	9	9	-	11,6	13,44	-	13,4	15,48	-	14	16,01
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	3,25	-	-	3,15	-	-	2,9	-	-	3,1	-	-	2,93	-	-	2,9	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate				A+++			A+++			A+++			A+++			A+++			A+++	
	SCOP	Warmer Climate				6,78			6,94			7,05			6,63			6,59			6,46	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		268,2			274,7			279,1			262,3			260,5			255,4	
	Energy efficiency class in water heating 35°C	Average Climate				A+++			A+++			A+++			A+++			A+++			A+++	
	SCOP	Average Climate				5,12			5,17			5,12			5,08			4,89			4,84	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		201,8			204			201,9			200,1			192,5			190,5	
	Energy efficiency class in water heating 35°C	Cold Climate				A+++			A+++			A+++			A+++			A+++			A+++	
	SCOP	Cold Climate				4,41			4,44			4,44			4,3			4,36			4,35	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		173,4			174,6			174,6			168,8			171,3			170,9	
	Energy efficiency class in water heating 55°C	Warmer Climate				A++			A++			A++			A++			A++			A++	
	SCOP	Warmer Climate				4,35			4,71			4,91			4,55			4,69			4,68	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		170,9			185,3			193,4			179			184,6			184	
	Energy efficiency class in water heating 55°C	Average Climate				A++			A++			A++			A++			A++			A++	
	SCOP	Average Climate				3,59			3,67			3,71			3,62			3,62			3,59	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		140,7			143,6			145,5			141.6			141,8			140,6	
	Energy efficiency class in water heating 55°C	Cold Climate				A++			A++			A++			A++			A++			A++	
	SCOP	Cold Climate				2,9			3,02			3,14			3,23			3,24			3,18	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		113,1			117,7			122,4			126			126,6			124,3	
NOISE LEVEL	Indoor unit sound power			dB(A)		-			-			-			-			-			-	
	Indoor unit sound pressure		(n)	dB(A)		-			-			-			-			-			-	
	Outdoor unit sound power (nominal)			dB(A)		60			63			65			70			72			72	
	Outdoor unit sound pressure (nominal)		(o)	dB(A)		48			51			53			56			58			58	
ELECTRICAL DATA	System circulator absorption			W		4-95			4-95			4-95			4-95			4-95			4-95	
	Supply voltage indoor unit			V/ph/Hz		-			-			-			-			-			-	
	Maximum absorbed current of the internal unit with active heating elements			A		-			-			-			-			-			-	
	Internal unit maximum power consumption with active heating elements			kW		-			-			-			-			-			-	
	Additional electric heating elements			kW		-			-			-			-			-			-	
	Supply voltage outdoor unit			V/ph/Hz		220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50			220-240/1/50	
	Outdoor unit maximum absorbed current			A		13			14,5			16			25			26,5			28	
	Outdoor unit maximum absorbed power			kW		3,2			3,5			3,8			5,8			6,2			6,6	
COOLING CIRCUIT	Compressor type					TWIN ROTARY			TWIN ROTARY			TWIN ROTARY			TWIN ROTARY			TWIN ROTARY			TWIN ROTARY	
	Refrigerant inlet connection diameter			"		-			-			-			-			-			-	
	Coolant gas		(p)			R32			R32			R32			R32			R32			R32	
	Global warming potential			GWP		675			675			675			675			675			675	
	Refrigerant gas charge			kg		1,25			1,25			1,25			1,8			1,8			1,8	
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018		(q)			-			-			-			-			-			-	
HYDRAULIC DATA	Hydraulic connections			"		G1 BSP			G1 BSP			G1 BSP			G5/4 BSP			G5/4 BSP			G5/4 BSP	
	Capacity of expansion vessel			l		5			5			5			5			5			5	

(a) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 30°C/35°C
(b) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 30°C/35°C
(c) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 30°C/35°C
(d) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 30°C/35°C
(f) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(i) Heating mode, external air temperature -15°C b.s./-16°C b.u., inlet/outlet water temperature 40°C/45°C
(l) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 23°C/18°C
(m) Cooling mode, external air temperature 35°C, inlet/outlet water temperature 12°C/7°C
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(o) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
(p) Airtightly sealed equipment containing fluorinated GAS
(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

	TECHNICAL DATA				12T			14T			16T		
	Sherpa Monobloc S2 E				02309			02310			02311		
	Compressor frequency				Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	-	12,2	13,42	-	14,1	15,27	-	16	18,23
	COP	a7/6 - w30/35	(a)	W/W	-	4,9	-	-	4,7	-	-	4,5	-
	Heating power	a2/1 - w30/35	(b)	kW	-	12,3	12,3	-	13	13,56	-	14,5	14,76
	COP	a2/1 - w30/35	(b)	W/W	-	3,6	-	-	3,5	-	-	3,25	-
	Heating power	a-7/-8 - w30/35	(c)	kW	-	11,6	12,1	-	12,5	13,2	-	13,5	14,1
	COP	a-7/-8 - w30/35	(c)	W/W	-	2,85	-	-	2,8	-	-	2,7	-
	Heating power	a-15/-16 - w30/35	(d)	kW	-	10,35	10,35	-	11,22	11,22	-	11,82	11,82
	COP	a-15/-16 - w30/35	(d)	W/W	-	2,39	-	-	2,35	-	-	2,22	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	-	12,5	13,14	-	14,5	14,87	-	16,2	18,07
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3,7	-	-	3,55	-	-	3,45	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	-	12	12	-	13	13,28	-	14,3	14,74
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	2,9	-	-	2,8	-	-	2,7	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	-	11,5	11,5	-	12,5	12,5	-	13,5	13,5
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2,4	-	-	2,3	-	-	2,25	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	-	9,62	9,62	-	10,3	10,3	-	10,96	10,96
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	2,11	-	-	2,07	-	-	1,98	-
	Cooling power	a35 - w23/18	(l)	kW	-	12.2	16.11	-	13,9	17,13	-	15,4	17,13
	EER	a35 - w23/18	(l)	W/W	-	4,6	-	-	4,4	-	-	4,2	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	-	11,6	13,44	-	13,4	15,48	-	14	16,01
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	3,1	-	-	2,93	-	-	2,9	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate				A+++			A+++			A+++	
	SCOP	Warmer Climate				6,64			6,59			6,46	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		262,5			260,6			255,5	
	Energy efficiency class in water heating 35°C	Average Climate				A+++			A+++			A+++	
	SCOP	Average Climate				5,08			4,89			4,84	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		200,2			192,5			190,5	
	Energy efficiency class in water heating 35°C	Cold Climate				A+++			A+++			A+++	
	SCOP	Cold Climate				4,3			4,36			4,35	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		168,8			171,3			170,9	
	Energy efficiency class in water heating 55°C	Warmer Climate				A++			A++			A++	
	SCOP	Warmer Climate				4,55			4,69			4,68	
	ηs (Seasonal efficiency for space heating)	Warmer Climate		ηs %		179			184,6			184	
	Energy efficiency class in water heating 55°C	Average Climate				A++			A++			A++	
	SCOP	Average Climate				3,62			3,62			3,59	
	ηs (Seasonal efficiency for space heating)	Average Climate		ηs %		141,6			141,8			140,7	
	Energy efficiency class in water heating 55°C	Cold Climate				A++			A++			A++	
	SCOP	Cold Climate				3,23			3,24			3,18	
	ηs (Seasonal efficiency for space heating)	Cold Climate		ηs %		126			126,6			124,3	
NOISE LEVEL	Indoor unit sound power			dB(A)		-			-			-	
	Indoor unit sound pressure		(n)	dB(A)		-			-			-	
	Outdoor unit sound power (nominal)			dB(A)		70			72			72	
	Outdoor unit sound pressure (nominal)		(o)	dB(A)		57			59			59	
ELECTRICAL DATA	System circulator absorption			W		4-95			4-95			4-95	
	Supply voltage indoor unit			V/ph/Hz		-			-			-	
	Maximum absorbed current of the internal unit with active heating elements			A		-			-			-	
	Internal unit maximum power consumption with active heating elements			kW		-			-			-	
	Additional electric heating elements			kW		-			-			-	
	Supply voltage outdoor unit			V/ph/Hz		380-415/3/50			380-415/3/50			380-415/3/50	
	Outdoor unit maximum absorbed current			A		9,5			10,5			11,5	
	Outdoor unit maximum absorbed power			kW		5,8			6,2			6,6	
COOLING CIRCUIT	Compressor type					TWIN ROTARY			TWIN ROTARY			TWIN ROTARY	
	Refrigerant inlet connection diameter			"		-			-			-	
	Coolant gas		(p)			R32			R32			R32	
	Global warming potential			GWP		675			675			675	
	Refrigerant gas charge			kg		1,8			1,8			1,8	
	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018		(q)			-			-			-	
HYDRAULIC DATA	Hydraulic connections			"		G5/4 BSP			G5/4 BSP			G5/4 BSP	
	Capacity of expansion vessel			l		5			5			5	

ACCESSORIES

	B0916	Kit 3-way valve for DHW	○
STORAGE TANKS / PUFFER	01804	HE 200 L storage tank	○
	01805	HE 300 L storage tank	○
	01806	HES 300 L solar storage tank	○
	01807	Hybride boiler HY 300 L	○
	01808	HYS 300 L solar hybrid storage tank	○
	B0618	Resistance for boiler 2 kW	○
	B0666	Resistance for boiler 3 kW	○
	B0617	Resistance flange kit	○
	01199	Thermal accumulation 50 L	○
	01200	Thermal accumulation 100 L	○

○ Optional accessory | ● Standard accessory | — Accessory not compatible

Accessory description on page 56

Please note that optional accessories are available for purchase with all models of the heat pump. When compatibility is only possible with certain sizes, the information is shown in the table. Standard accessories are already included in the heat pump code.

NEW

SHERPA SHW S2

Water heater in heat pump

HIGH EFFICIENCY

Sherpa SHW S2 achieves the highest energy class in its category (according to the ErP regulation).

PHOTOVOLTAIC INTEGRATION

Contact for integration with photovoltaic plant, which forces switch-on and raises the machine set-point. Th e energy produced by the photovoltaic system is stored to lower the DHW production costs and maximise the energy saving.

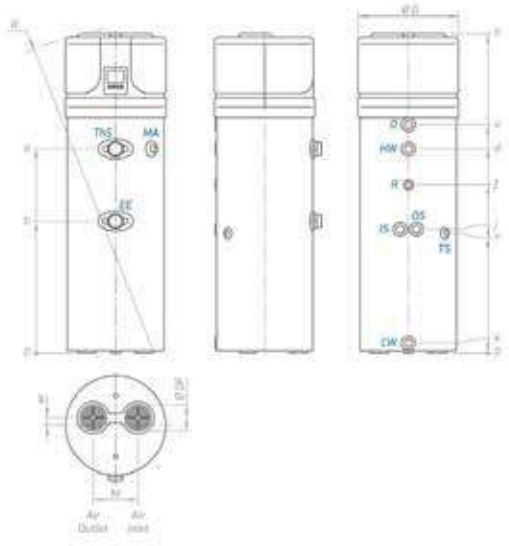
SOLAR MANAGEMENT

Solar thermal compatible: the unit can work with a second energy source such as solar panels (solar circulator management). Valid only for model 360S.

FEATURES

- **Available in two versions:** standard model with heat pump, electric heating element and 202-litre tank (Sherpa SHW S2 200); model with coil for solar panels or other energy sources, electric heating element and 251-litre tank (Sherpa SHW S2 260S).
- **COP>2,6* DHW at 65°C (75°C with electric heating element)**
- **Energy class**: A+
- **Working range** with heat pump and air temperature from -10C° to 43C°.
- **Enamelled** steel tank.
- **Anti-corrosion magnesium anode** to ensure tank durability.
- **Condenser wound outside** the boiler free from deposits and gas-water contamination.
- **Rigid polyurethane** foam (PU) thermal insulation, thickness 50mm.
- **External plastic cladding.** Soundproof plastic top cover.
- **High-efficiency compressor** with R134a refrigerant**.
- **Electric heating element** available in the unit as back-up which ensures hot water at a constant temperature even in extreme winter or summer conditions.
- **ON-OFF contact** to start the unit via an external switch.
- **Weekly sanitisation cycle.**
- **Option to manage the** domestic hot water recirculation or solar heating integration. Valid only for model 260S
- **Electronic expansion valve** for a timely check.

* Ambient air temperature 7°C b.s./6°C b.u., water temperature from 10°C to 55°C (EN 16147).
** hermetically sealed equipment containing fluorinated gas with GWP equivalent 1430.



		200	260S
h	mm	1720	2010
a	mm	994	1285
b	mm	724	834
d	mm	995	1285
f	mm	803	1064
i	mm	-	781
k	mm	60	60
n	mm	-	766
u	mm	1153	1440
w	mm	58	58
M	mm	260	260
ØDF	mm	160	160
R	mm	1785	2055
ØD	mm	630	630

CW - Cold water inlet G 1"
HW - Hot water outlet G 1"
IS - Heat exchanger inlet G 1"
OS - Heat exchanger outlet G 1"
R - Recirculation G ¾"
TS - Temperature probe G ½"
EE - Opening for electric heating element G 1 ½"
CD - Condensation drain G ¾"
9. 1" Solar energy return
10. 1" domestic cold water inlet
11. Condensate drain Ø 16

TECHNICAL DATA		SHERPA SHW S2 200	SHERPA SHW S2 260S
		02385	02386
Electrical power supply	V/Ph/Hz	220-240/1Ph+N/50	220-240/1Ph+N/50
Actual tank capacity	L	202	251
Prated nominal heating power (EN 16147: 2017 - A7/W55)	W	1050	1200
Maximum heating power (summer conditions)	W	2305	2305
COPDHW (EN 16147: 2017 - A7/W55)	W/W	2.7	3
COPDHW (EN 16147: 2017 - A14/W55)	W/W	3.1	3.4
Maximum electrical absorption with active electric heating element	W	663+1500	663+1500
Heating time (EN 16147: 2017 - A7/W55)	h:min	08:59	10:15
Heating time in BOOST mode (A7 - W10-55)	h:min	03:47	04:21
Intake air temperature range	°C	-10 ÷ 43	-10 ÷ 43
Refrigerant gas (a)		R134a	R134a
Refrigerant loading	g	880	880
Nominal air flow rate (98 Pa)	m3/h	315	315
Storage tank maximum operating pressure	bar	8	8
Auxiliary electric heating element	W	1500	1500
Solar exchange coil surface	m²	-	1.2
Protection class		IPX4	IPX4
Transportation weight	Kg	105	128
Sound pressure (EN 12102:2013)	dB(A)	53	53
Load Profile (EN 16147: 2017)		L	XL
Energy efficiency class (average climate conditions)		A+	A+
ηWH (average climate conditions - EU Regulation 812/2013)	%	118	124

(a) hermetically sealed equipment containing fluorinated gas with GWP equivalent 1430.

Heat pump accessories

Download
Additional information on these accessories

B0931 Remote control display kit 10 m

Remote control display kit 10 m

Compatible with:

	suspended	tower		suspended	tower
SHERPA AQUADUE	○	○	SHERPA	○	○

B0916 Kit 3-way valve for DHW

Compatible with:

Compatible with:

	suspended	tower		
SHERPA AQUADUE	●	●	SHERPA MONOBLOC	○
SHERPA	○	●		

B0917 Solar thermal probe kit

Additional probe that detects the temperature of the solar thermal pipes, inhibits the heat pump from producing DHW only with solar thermal under certain conditions.

Compatible with:

	suspended	tower
SHERPA	○	–

B0623 Outdoor air temperature probe kit

Shielded probe to measure the outdoor air temperature. It is necessary to allow activation of the electric heating element and climatic curves.

Compatible with:

	suspended	tower
SHERPA AQUADUE	●	●
SHERPA	○	○

B0624 Kit DHW storage tank sensor

Probe to measure and directly control the water temperature in the domestic hot water storage tank.

Compatible with:

	suspended	tower
SHERPA AQUADUE	●	●
SHERPA	○	●

B0866 Extension cord remote control panel kit 15m

15 metre extension cord for remote control panel connection with the outdoor unit (8 m as standard)

Compatible with:

SHERPA MONOBLOC	S1

● Standard accessory | ○ Optional accessory | ▼ Required accessory | – Accessory not compatible

Please note that optional accessories are available for purchase with all models of the heat pump. When compatibility is only possible with certain sizes, the information is shown in the table. Standard accessories are already included in the heat pump code.

B0918 **Kit Sherpa Flex Box AS**

Compatible with:	suspended	tower
SHERPA AQUADUE	≤10	–

B0961 **Kit Sherpa Flex Box AS RAL 9016**

Compatible with:	suspended	tower
SHERPA AQUADUE	≤10	–

B0900 **Cable for Modbus connection touch panel 100m**
Length 100 m. Required accessory supplied separately.

Compatible with:	
SHERPA COLD	▼

B0899 **Metallic frame for touch panel external installation**

Compatible with:	
SHERPA COLD	o

B0906 **Aesthetic fan cover front grille**

Compatible with:	
SHERPA COLD	≤ 12T

B0907 **Aesthetic fan cover front grille**

Compatible with:	
SHERPA COLD	≥ 15

B0915 **Brass Y filter**
With 1" 1/4 couplers and 2" body

Compatible with:	
SHERPA COLD	o

NEW **B0971** **Thermostatic mixing valve kit for DHW**
Assembly in the machine must be carried out by the installer

Compatible with:	suspended	tower
SHERPA	–	o

NEW **B0972** **Expansion tank kit for DHW**
Assembly in the machine must be carried out by the installer

Compatible with:	suspended	tower
SHERPA	–	o

Storage tanks / puffer

01804 **HE 200 L storage tank**

Compatible with:

	suspended	tower		
SHERPA AQUADUE	O	–	SHERPA COLD	≤ 10T
SHERPA	O	–	SHERPA MONOBLOC	O

01805 **HE 300 L storage tank**

Compatible with:

	suspended	tower		
SHERPA AQUADUE	O	–	SHERPA COLD	O
SHERPA	O	–	SHERPA MONOBLOC	O

01806 **HES 300 L solar storage tank**

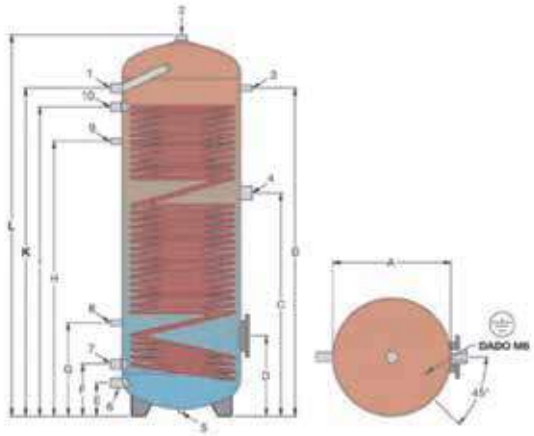
Compatible with:

	suspended	tower		
SHERPA AQUADUE	O	–	SHERPA COLD	≤ 15T
SHERPA	O	–	SHERPA MONOBLOC	O

Storage tank with 1 or 2 coils with high exchange surface in carbon steel, complete with anodic protection, internal vitrification treatment according to DIN 4753-3 and UNI 10025 standards. Rigid polyurethane insulation thickness 70 mm. Coating colour Sky Blue RAL 5010.

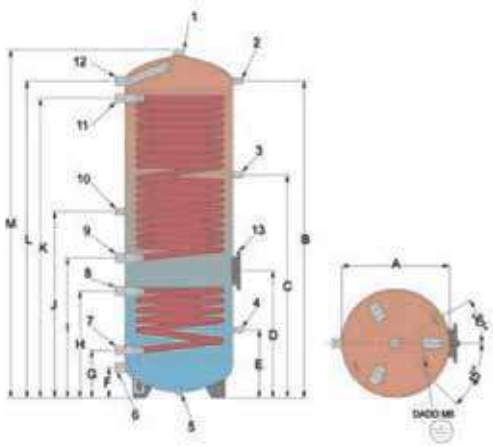
TECHNICAL DATA		01804	01805	01806
Inhoud boiler HWW Nom.	l	200	300	300
Inhoud boiler HWW Effective	l	190	263	260
Total heigh	mm	1215	1615	1615
Diameter with insulation	mm	640	640	640
Insulation	mm	70	70	70
Energy class		B	B	B
Dispersion total	W	51	63	63
Dispersion temperature probe	W/°K	1,13	1,40	1,40
Coil exchangers N°		1 double coil	1 double coil	1 double coil + 1 solar unit
Coil exchangers Surface Heat pump	m²	3	4	3,7
Coil exchangers Secondary surface	m²	-	-	1,2
Empty weight	kg	90	124	131

Dimensions		01804	01805	01806
A	mm	500	500	500
B	mm	995	1390	1470
C	mm	735	945	1035
D	mm	320	340	590
E	mm	140	140	315
F	mm	220	220	140
G	mm	370	395	220
H	mm	835	1165	495
I	mm	990	1310	650
J	mm	-	-	865
K	mm	1070	1390	1390
L	mm	1215	1615	1470
M	mm	-	-	1615



Storage tank 1 coil HE 200-300

1. Hot water flow 1"
2. Anode 1" 1/4
3. Thermometer-Probe 1/2"
4. Electric heating element attachment 1" 1/2
5. Pallet attachment (blind) 1/2"
6. Cold water inlet 1"
7. Coil return 1"
8. Thermostat 1/2"
9. Recirculation 1/2"
10. Coil flow 1"



Storage tank 2 coils HES 300

1. Anode 1" 1/4
2. Thermometer-Probe 1/2"
3. Thermostat 1/2"
4. Thermostat 1/2"
5. Pallet attachment (blind) 1/2"
6. Cold water inlet 1"
7. Lower coil return 1"
8. Lower coil flow 1"
9. Upper coil return 1"
10. Recirculation 1/2"
11. Upper coil flow 1"
12. Hot water flow 1"
13. Flange with electric heating element attachment 1" 1/2

O Optional accessory | – Accessory not compatible

Please note that optional accessories are available for purchase with all models of the heat pump. When compatibility is only possible with certain sizes, the information is shown in the table. Standard accessories are already included in the heat pump code.

01807 Hybride boiler HY 300 L

Compatible with:

	suspended	tower		
SHERPA AQUADUE	O	–	SHERPA MONOBLOC	O
SHERPA	O	–		

01808 HYS 300 L solar hybrid storage tank

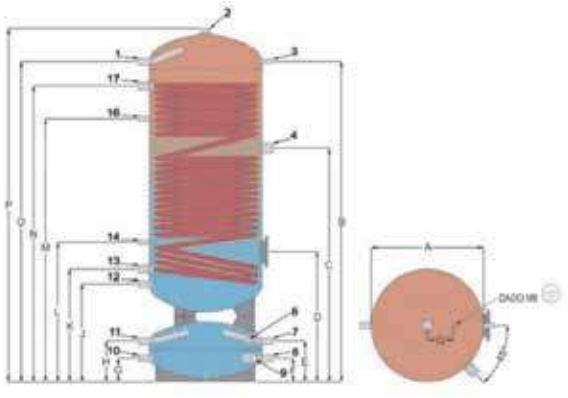
Compatible with:

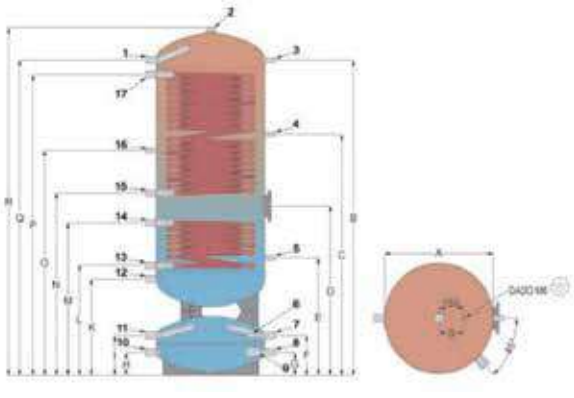
	suspended	tower		
SHERPA AQUADUE	O	–	SHERPA MONOBLOC	O
SHERPA	O	–		

Combined heat storage tanks. Upper storage tank with 1 or 2 coils with high exchange surface in carbon steel, complete with anodic protection, internal vitrification treatment according to DIN 4753-3 and UNI 10025 standards. Lower storage tanks for heated or chilled water, internal untreated. Rigid polyurethane insulation thickness 70 mm. Coating colour Sky Blue RAL 5010.

TECHNICAL DATA		01807	01808
Inhoud boiler HWW Nom.	l	300	300
Inhoud boiler HWW Effective	l	270	270
Puffer Capacity	l	80	80
Total heigh	mm	1925	1925
Diameter with insulation	mm	690	690
Insulation	mm	70	70
Energy class		B	B
Dispersion total	W	73	73
Dispersion temperature probe	W/°K	1,62	1,62
Coil exchangers N°		1	1 + 1 solar unit
Coil exchangers Surface Heat pump	m²	3,3	2,8
Coil exchangers Secondary surface	m²	-	0,9
Empty weight	kg	150	170

Dimensions		01807	01808
A	mm	550	550
B	mm	1755	1755
C	mm	1300	1420
D	mm	875	1035
E	mm	340	810
F	mm	160	340
G	mm	160	160
H	mm	340	160
I	mm	-	340
J	mm	675	-
K	mm	765	675
L	mm	940	755
M	mm	1425	945
N	mm	1675	1125
O	mm	1755	1280
P	mm	1925	1675
Q	mm	150	1755
R	mm	-	1925
S	mm	-	150





Storage tank 1 coil HY 300

1. Domestic hot water flow 1"
2. Anode 1" 1/4
3. Thermometer 1/2"
4. Electric heating element attachment 1" 1/2
6. Probe 1/2"
7. Boiler flow 1"
8. Boiler return 1"
9. Electric resistance 1" 1/2
10. Heating system return 1"
11. System flow 1"
12. Domestic cold water inlet 1"
13. Coil return 1" 1/4
14. Probe 1/2"
16. Recirculation 1/2"
17. Upper coil flow 1"

Storage tank 2 coils HYS 300

1. Domestic hot water flow 1"
2. Anode 1" 1/4
3. Thermometer 1/2"
4. Probe 1/2"
5. Probe 1/2"
6. Probe 1/2"
7. Boiler flow 1"
8. Boiler return 1"
9. Electric resistance 1" 1/2
10. Heating system return 1"
11. System flow 1"
12. Domestic cold water inlet 1"
13. Lower coil return 1"
14. Lower coil flow 1"
15. Upper coil return 1"
16. Recirculation 1/2"
17. Upper coil flow 1"

01199 Thermal accumulation 50 L

Compatible with:

	suspended	tower
SHERPA	O	O
SHERPA AQUADUE	O	O

SHERPA MONOBLOC	O

01200 Thermal accumulation 100 L

Compatible with:

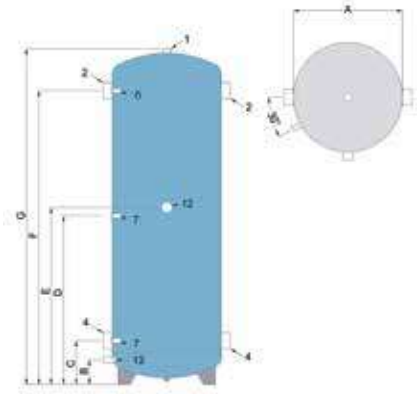
	suspended	tower
SHERPA	O	O
SHERPA AQUADUE	O	O

SHERPA COLD	≤ 10T
SHERPA MONOBLOC	O

Storage for chilled water, internal untreated. Can also be used for heating water. Polyurethane insulation 50 mm. Coating colour Sky Blue RAL 5010.

TECHNICAL DATA		01199	01200
Puffer Capacity	l	57	123
Total heigh	mm	935	1095
Diameter with insulation	mm	400	500
Insulation	mm	50	50
Energy class		B	B
Dispersion total	W	34	50
Dispersion temperature probe	W/°K	0,76	1,11
Empty weight	kg	25	35

Dimensions		01199	01200
A	mm	300	400
B	mm	100	100
C	mm	180	185
D	mm	485	560
E	mm	530	605
F	mm	785	935
G	mm	935	1095



1. Vent 1"
2. Water connection 1" 1/4
4. Water connection 1" 1/4
6. Probe 1/2"
7. Probe 1/2"
12. Electric resistance 1" 1/2
13. Drain 1/2"

B0618 Resistance for boiler 2 kW

Compatible with:

	suspended	tower
SHERPA	O	–

SHERPA COLD	O
SHERPA MONOBLOC	O

B0666 Resistance for boiler 3 kW

Compatible with:

	suspended	tower
SHERPA	O	–

SHERPA COLD	O
SHERPA MONOBLOC	O

Immersion in copper, IP 65, with internal adjustable thermostat and temperature limiter.

TECHNICAL DATA		B0618	B0666
Absorbed power	W	2000	3000
Supply voltage	V	230	230
Weight	Kg	1,5	1,5
Lenght (L)	mm	390	390
Diameter of coupling	inch	1"1/2	1"1/2

O Optional accessory | – Accessory not compatible

Please note that optional accessories are available for purchase with all models of the heat pump. When compatibility is only possible with certain sizes, the information is shown in the table. Standard accessories are already included in the heat pump code.

B0617 **Resistance flange kit**

Required accessory for correct positioning of the electric heating elements when used for anti-Legionnaires disease cycles.

Compatible with:

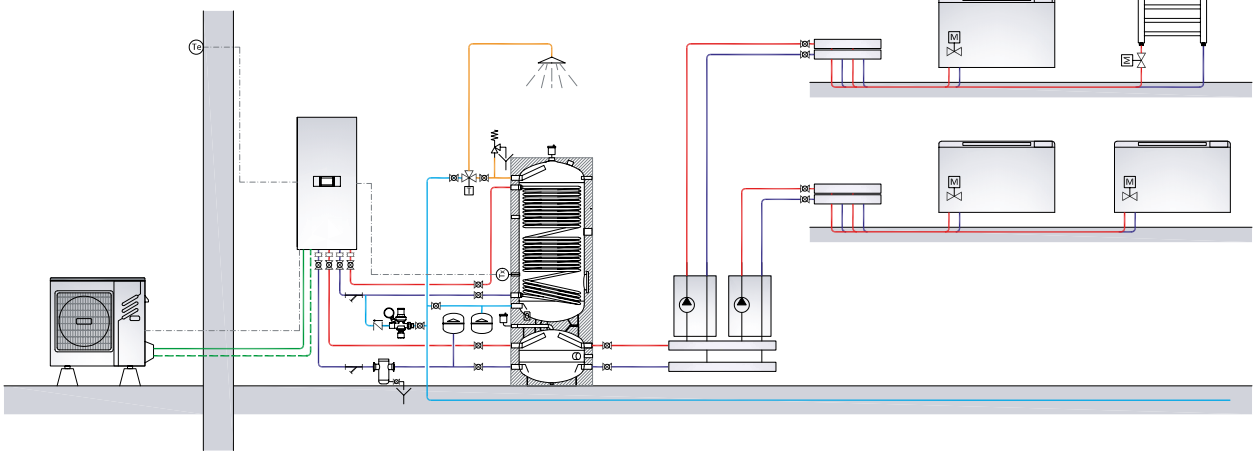
	suspended	tower
SHERPA	o	–

SHERPA COLD	o
SHERPA MONOBLOC	o

System diagrams

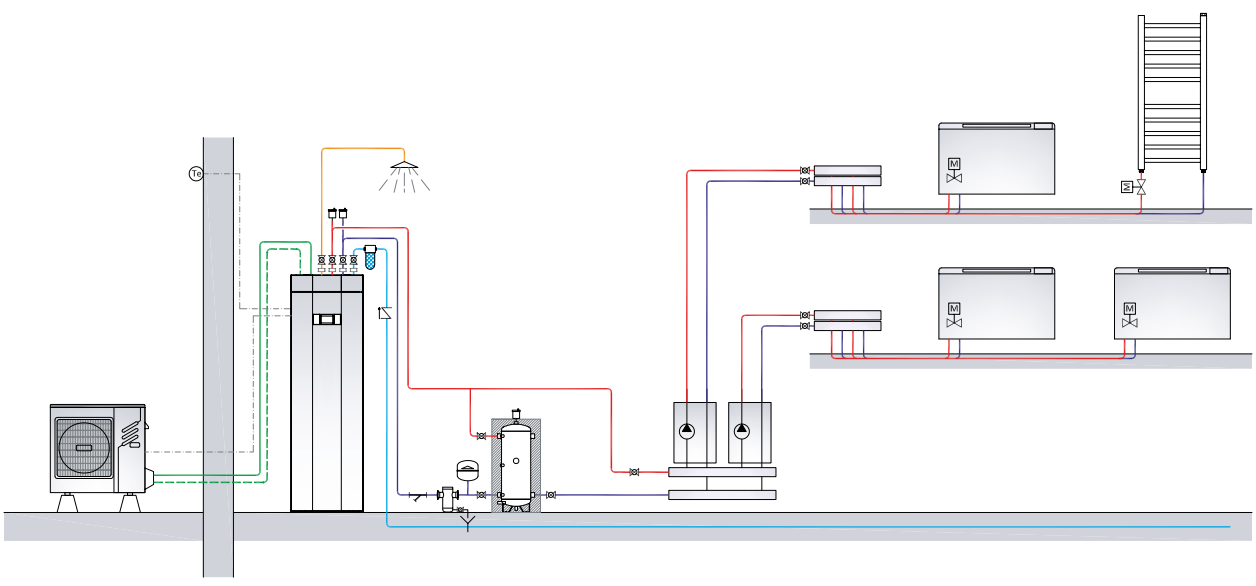
Sherpa Aquadue heat pumps

SHERPA AQUADUE S2/S3 heat pump (heating and air conditioning; production of high temperature DHW); Bi2 SLR radiant fan coil units; example of a two-zone configuration with a simple manifold and integrated inertial storage (used as a hydraulic separator) for the air conditioning system.



Schematic diagram, refer to the installation manual. In particular, the water filtration and treatment system is not shown.

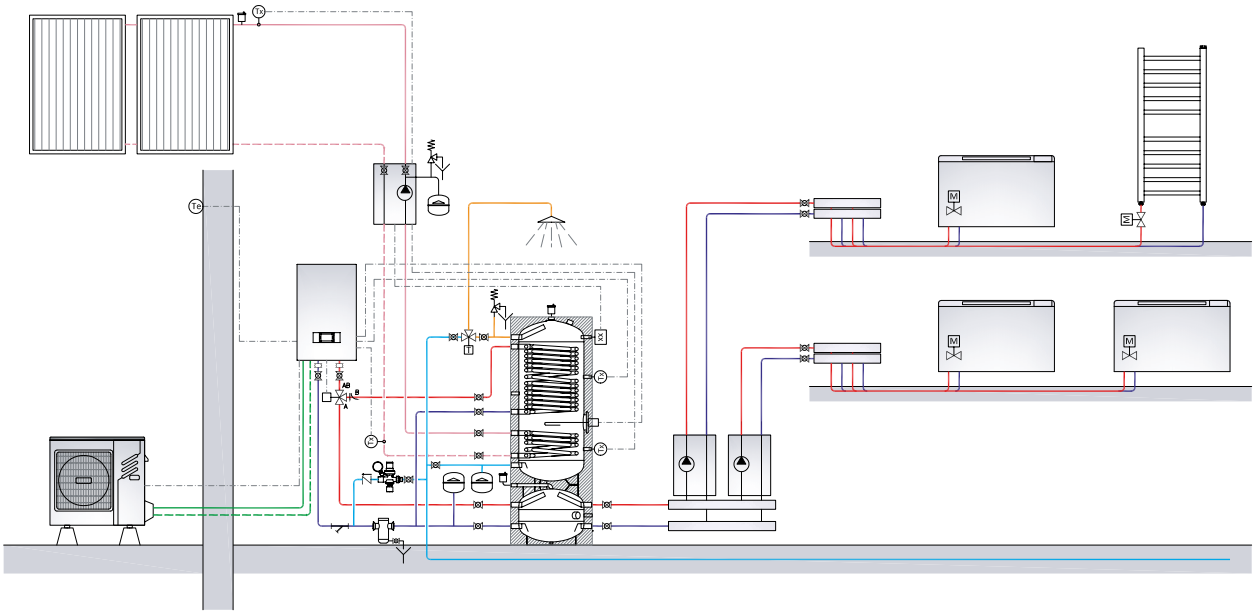
SHERPA AQUADUE TOWER S2/S3 heat pump (heating and air conditioning; production of high temperature DHW); Bi2 SLR radiant fan coil units; example of a two-zone configuration with a simple manifold and inertial storage (used as a hydraulic separator) for the air conditioning system.



Schematic diagram, refer to the installation manual. In particular, the water filtration and treatment system is not shown.

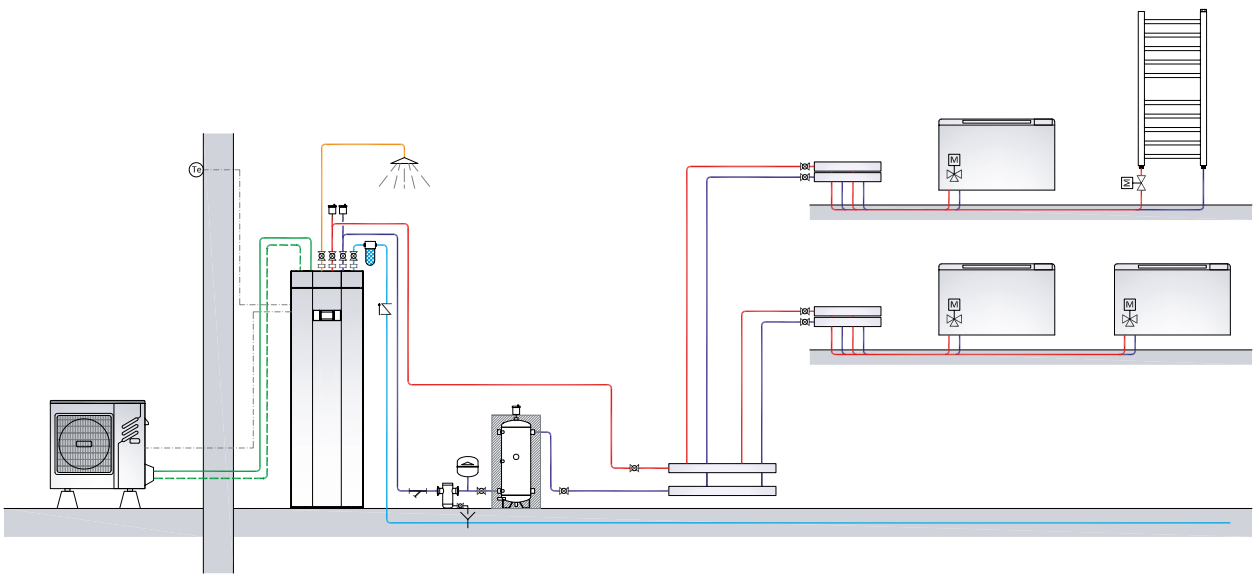
Sherpa heat pumps

SHERPA S2/S3 heat pump (heating and air conditioning; DHW production) Bi2 SLR radiant fan coil units; domestic water integration with solar thermal and integrated inertial storage (used as hydraulic separator) for the air conditioning system.



Schematic diagram, refer to the installation manual. In particular, the water filtration and treatment system is not shown.

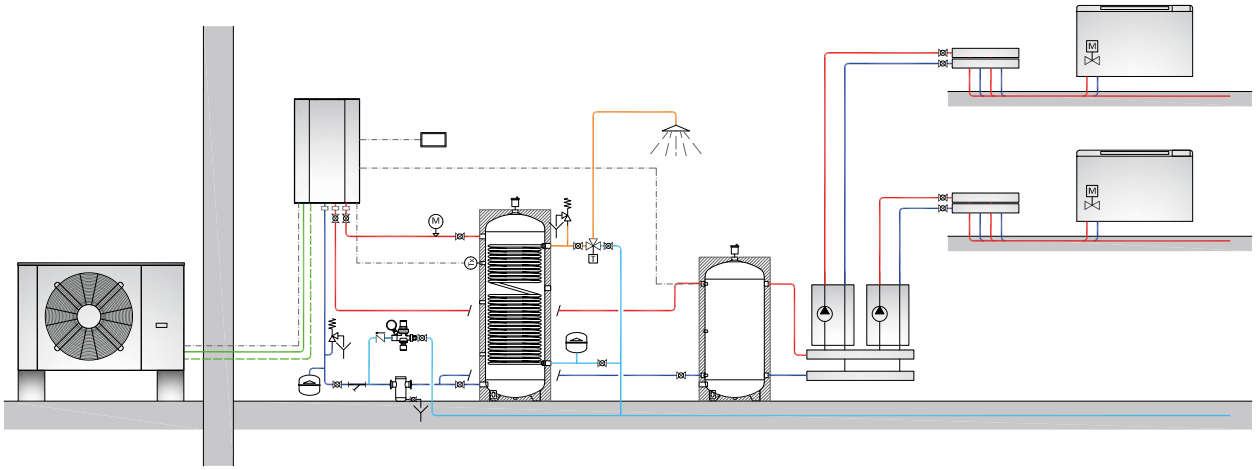
SHERPA TOWER S2/S3 heat pump (heating and air conditioning; DHW production) Bi2 SLR radiant fan coil units with 3-way valves and inertial storage in series on the return pipe of the air conditioning system.



Schematic diagram, refer to the installation manual. In particular, the water filtration and treatment system is not shown. N.B. Sherpa Tower S3E indoor unit with thermostatic mixer kit (BO971) and expansion tank kit for DHW (BO972).

Sherpa Cold heat pumps

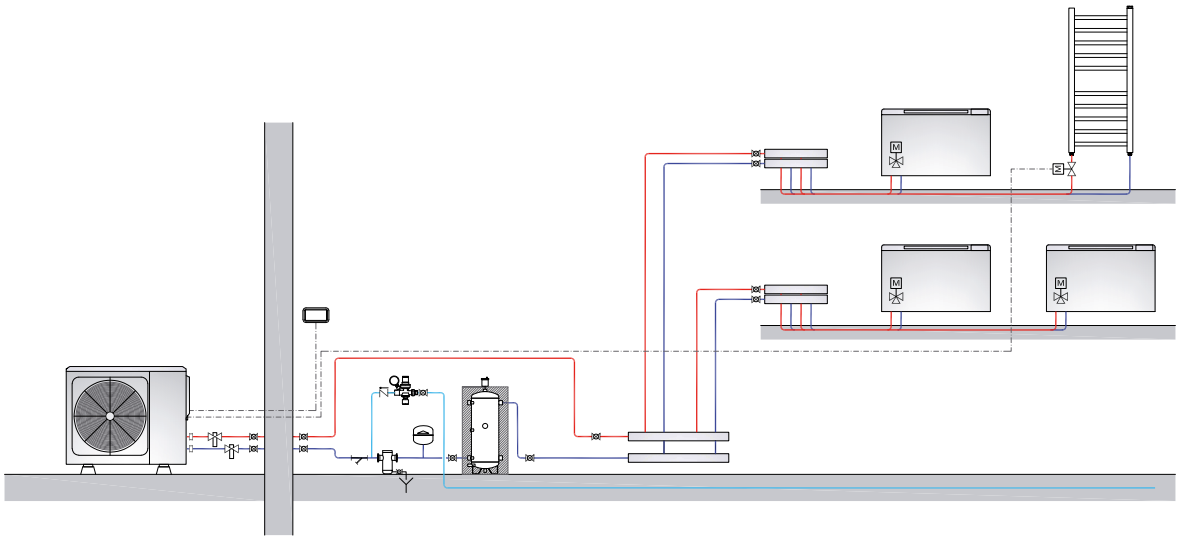
SHERPA COLD heat pump (heating and air conditioning; production of DHW) Bi2 SLR radiant fan coil units with 3-way valves and inertial storage tank (used as hydraulic separator). Storage of technical water with instant DHW production. It is mandatory to provide safety valves and appropriately sized expansion tanks outside the heat pump.



Schematic diagram, refer to the installation manual. In particular, the water filtration and treatment system is not shown.

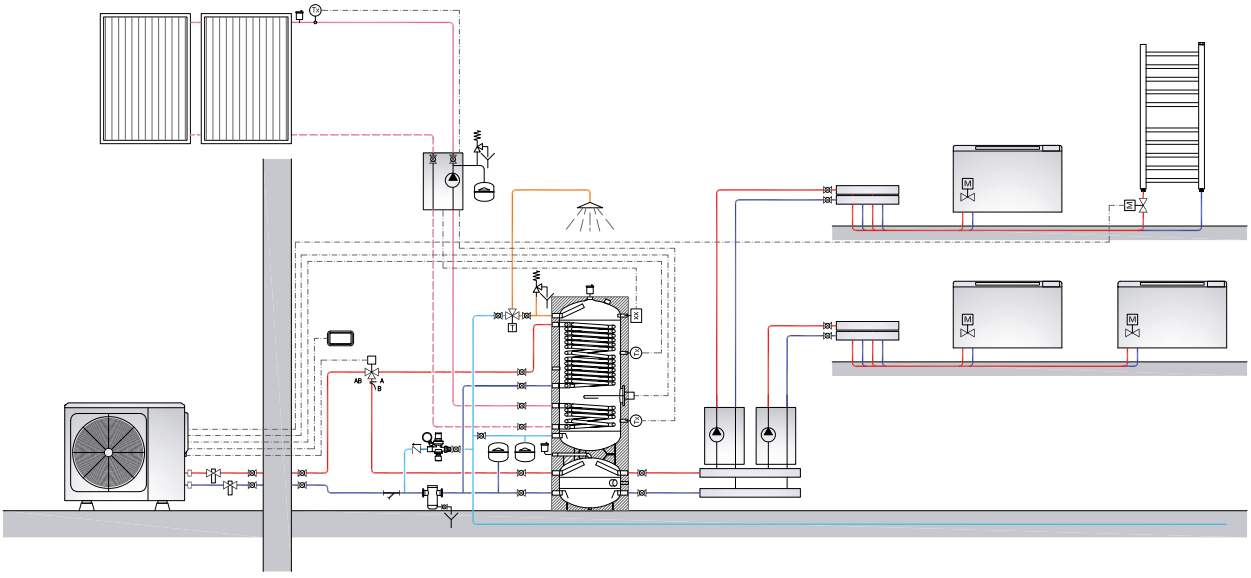
Sherpa Monobloc heat pumps

SHERPA MONOBLOC S2 E heat pump (heating and air conditioning) Bi2 SLR radiant fan coil units with 3-way valves and inertial storage in series on the return pipe of the air conditioning system.



Schematic diagram, refer to the installation manual. In particular, the water filtration and treatment system is not shown.

SHERPA MONOBLOC S2 E heat pump (heating and air conditioning; DHW production) Bi2 SLR radiant fan coil units, domestic water integration with solar thermal and integrated inertial storage (used as hydraulic separator) for the air conditioning system.



Schematic diagram, refer to the installation manual. In particular, the water filtration and treatment system is not shown.

Olimpia Splendid partecipates in the ECP programma for FCU. Check ongoing validity of certificate: www.eurovent-certification.com

Bi2

FAN COIL UNITS

For comfort throughout the year

Italian design winner of numerous international awards

Ultraslim and slim innovation

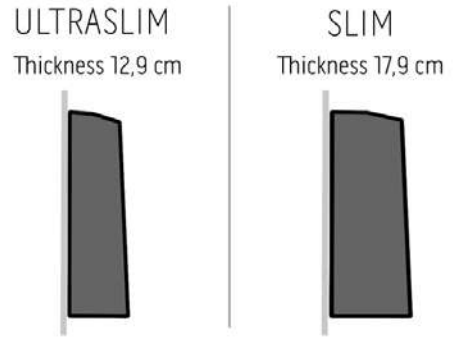
Attention to design and harmonious integration into the architecture has led Olimpia Splendid to reinvent fan coil units. The first to introduce ultraslim and slim fan coil units to the market, today the brand is synonymous of reduced thickness: in just 12.9 or 17.9 cm, Olimpia Splendid encompasses year-round comfort.

Design signed by Italian studios

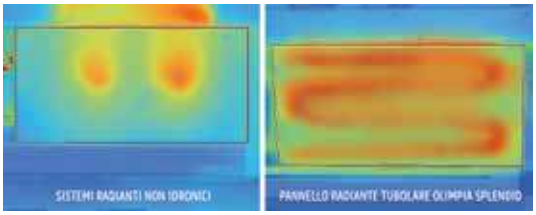
The Bi2 fan coil units boast prestigious names in the world of Italian industrial design. Each product is in fact designed with particular attention to architectural integration and ease of installation, management and maintenance. Olimpia Splendid has won 7 international awards for the aesthetics of its fan coil units, from 2013 to today.

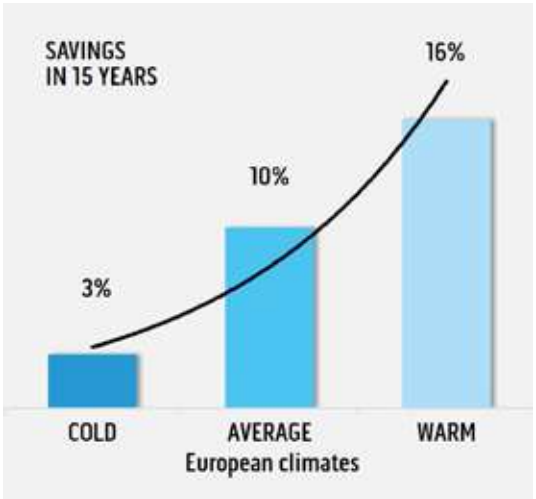
Made in Italy quality

Olimpia Splendid production is within its headquarters in Cellatica (BS). The typically Italian attention to detail is a further guarantee of product quality.



Innovative solutions to rethink the fan coil units





Olimpia Splendid radiant technology

The Bi2 fan coil units are also available in the radiant version, with a tubular heating panel, in addition to the coil, which stands out for its superior performance compared to other systems with radiant technology on the market: - higher radiated power, thanks to the higher average surface temperature; - amplification of natural convection; - possibility of static operation (fan off) for the complete absence of noise.

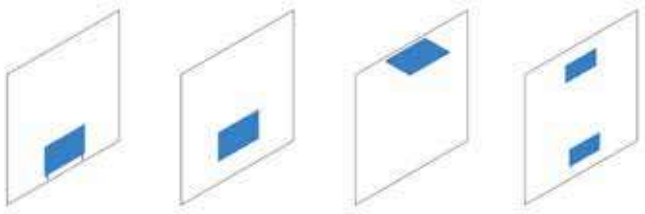
Comfort and optimised running costs

The slim and ultraslim radiant fan coil units offer comfort at least equal to that of floor heating, with greater flexibility, lower installation costs and more economical running, especially in warmer climates. The data shown in the graph refer to a comparative study commissioned by Olimpia Splendid to evaluate the different performances of a system, depending on whether the radiant fan coil units are used rather than the floor heating.

Installation

The choice of position

The Bi2 fan coil units are extremely versatile and can be installed both on the floor and on a low wall. The SL models, with traditional convection technology, are also suitable for ceiling installation, while the SLW solutions are easily placed on high or low walls, with a considerably reduced footprint, thanks to the console format. Please note: for all models, if wall-mounted thermostats are not used, the installation of 2- or 3-way valves is recommended for optimal cooling operation.



Operation

The modes for providing comfort

The structure of the fan of the Bi2 fan coil units and the electric motor that modulates its speed ensure even air distribution and homogeneity of temperature in the environment. The entire range has two operating modes: heating and cooling, with forced convection. In the SLR models, with Olimpia Splendid radiant technology, the heating mode also works in static mode (fan off), with natural convection and radiation from the front panel, for maximum acoustic comfort.

Maintenance

How to clean the fan coil unit

The easily removable air filters make cleaning and maintenance of the fan coil unit particularly easy, even in the built-in models.

Fan coil units range

Console FCU - brushless DC motors		ULTRASLIM DESIGN 200	400	600
Bi2 AIR Fan coil unit with integral design, motorised flap and integrated control.	**SLR VERSION**	SLR AIR 200 DC TR (01856)	SLR AIR 400 DC TR (01857)	SLR AIR 600 DC TR (01858)
		SLR AIR 200 DC AR (01772)	SLR AIR 400 DC AR (01773)	SLR AIR 600 DC AR (01774)
	SL VERSION	SL AIR 200 DC TR (01851)	SL AIR 400 DC TR (01852)	SL AIR 600 DC TR (01853)
		SL AIR 200 DC AR (01767)	SL AIR 400 DC AR (01768)	SL AIR 600 DC AR (01769)
		↙ 12,9 cm	↙ 12,9 cm	↙ 12,9 cm
Bi2 SMART Fan coil unit with total flat design.	**SLR VERSION**	SLR SMART S1 200 B DC (02127)	SLR SMART S1 400 B DC (02128)	SLR SMART S1 600 B DC (02129)
	SL VERSION	SL SMART S1 200 B DC (02122)	SL SMART S1 400 B DC (02123)	SL SMART S1 600 B DC (02124)
		↙ 12,9 cm	↙ 12,9 cm	↙ 12,9 cm
Bi2 NAKED Recessed fan coil unit	**SLIR VERSION**	SLIR 200 DC (01639)	SLIR 400 DC (01640)	SLIR 600 DC (01641)
	SLI VERSION	SLI 200 DC (01513)	SLI 400 DC (01514)	SLI 600 DC (01515)
		↙ 14,2 cm	↙ 14,2 cm	↙ 14,2 cm

High-wall FCU - brushless DC motors		400	600
Bi2 WALL Reversible fan coil unit, with motorised flap and integrated control.	**2-WAY VERSION**	SLW 400 DC V2V TR (01784)	SLW 600 DC V2V TR (01785)
		SLW 400 DC V2V AR (01875)	SLW 600 DC V2V AR (01876)
	3-WAY VERSION	SLW 400 DC V3V TR (01787)	SLW 600 DC V3V TR (01788)
		SLW 400 DC V3V AR (01878)	SLW 600 DC V3V AR (01879)
		↙ 12,9 cm	↙ 12,9 cm
Ci2 WALL Fan coil unit with motorised flap			
			

800	1000	SLIM DESIGN JUNE '23 1100	1400	1600
SLR AIR 800 DC TR (01859)	SLR AIR 1000 DC TR (01860)	NEW SLR AIR 1100 DC TR (02360)	SLR AIR 1400 DC TR (02052)	SLR AIR 1600 DC TR (02054)
SLR AIR 800 DC AR (01775)	SLR AIR 1000 DC AR (01776)	NEW SLR AIR 1100 DC AR (02359)	SLR AIR 1400 DC AR (02053)	SLR AIR 1600 DC AR (02055)
SL AIR 800 DC TR (01854)	SL AIR 1000 DC TR (01855)	NEW SL AIR 1100 DC TR (02362)	SL AIR 1400 DC TR (02048)	SL AIR 1600 DC TR (02050)
SL AIR 800 DC AR (01770)	SL AIR 1000 DC AR (01771)	NEW SL AIR 1100 DC AR (02361)	SL AIR 1400 DC AR (02049)	SL AIR 1600 DC AR (02051)
↙ 12,9 cm	↙ 12,9 cm	↙ 17,9 cm	↙ 17,9 cm	↙ 17,9 cm

SLR SMART S1 800 B DC (02130)				
SL SMART S1 800 B DC (02125)	SL SMART S1 1000 B DC (02126)			
↙ 12,9 cm	↙ 12,9 cm			

SLIR 800 DC (01642)	SLIR 1000 DC (01643)	NEW SLIR 1100 DC (02364)	SLIR 1400 DC (02071)	SLIR 1600 DC (02072)
SLI 800 DC (01516)	SLI 1000 DC (01517)	NEW SLI 1100 DC (02363)	SLI 1400 DC (02056)	SLI 1600 DC (02057)
↙ 14,2 cm	↙ 14,2 cm	↙ 21,7 cm	↙ 21,7 cm	↙ 21,7 cm

800	1200	1400
SLW 800 DC V2V TR (01786)		
SLW 800 DC V2V AR (01877)		
SLW 800 DC V3V TR (01789)		
SLW 800 DC V3V AR (01880)		
↙ 12,9 cm		

	LGW WALL S1 1200 DC (99283)	LGW WALL S1 1400 DC (99284)
	↙ 23,0 cm	↙ 23,0 cm

Bi2 AIR SL SLR

Compatible with: SiOS CONTROL

Ultraslim fan coil units, SL and SLR versions

INTEGRAL DESIGN

Front and side panels are joined for easy installation and maintenance.

MULTISET CONTROL

Integrated electronics allows touch operation, remote control and home automation connection.

FEATURES

- Heats, Cools, Dehumidifies and Filters.
- Integral aesthetics with intake from the lower side.
- Front in metal, sides in ABS.
- Compact: Min thickness 12,9 cm max 15 cm.
- Range consisting of 5 power modules.
- DC brushless motor.
- Monobloc body for work in comfort.
- Motorised steel air delivery flap.
- Anti-intrusion grilles on the air intake and outlet.
- Removable filters placed on the air intake.
- Remote control supplied (only for TR control).
- Available in the colours: ☐ White RAL 9003

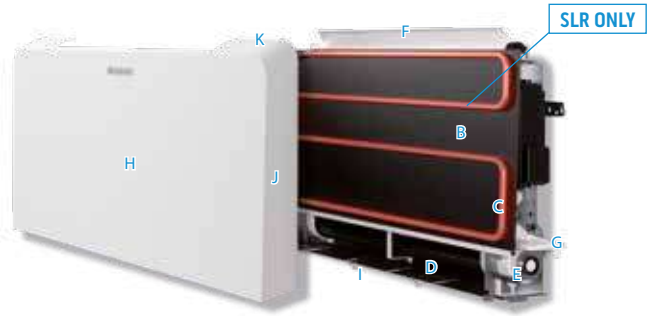
INTEGRATED CONTROLS AS STANDARD

TR (Touch Remote) CONTROL:
includes on-board touch control and remote control (supplied). Additionally, through a combination of keys, it is possible to remotely* control with a BO736 wall remote control or a home automation control (SiOS Control by Olimpia Splendid or MyHome by Bticino), via the Modbus RS485 ASCII serial protocol.

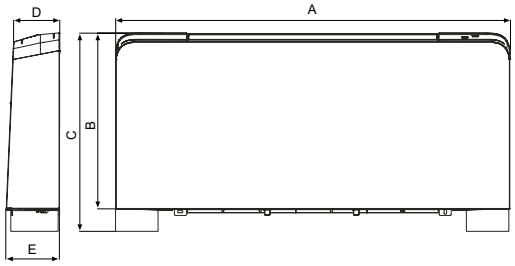
AR (Analog Remote) CONTROL:
allows remote control by interfacing with wall controls or home automation control systems via 0-10V analog input or contacts (for fan coil radiators, use the contact mode). It has a 230Vac output for control of a solenoid valve and a water probe inlet with the function of a minimum probe (for both modes of remote control). **AR models on request**.

LAYOUT, DIMENSIONS, WEIGHT

1. Heat exchanger battery
2. High efficiency radiant heating panel (SLR version)
3. Tangential fan
4. Brushless DC electric motor
5. Air delivery flap and anti-intrusion delivery grille
6. Condensate trap
7. Front body in electrogalvanised sheet metal
8. Anti-intrusion intake grille
9. Sides in ABS
10. On-board touch control (TR version)

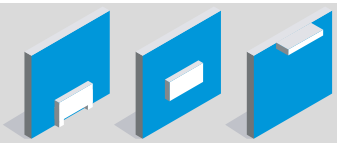


		200	400	600	800	1000
A	mm	695	895	1095	1295	1495
B	mm	599	599	599	599	599
C	mm	679	679	679	679	679
D	mm	129	129	129	129	129
E	mm	150	150	150	150	150
Weight SL	kg	11.5	13.0	15.5	18.5	21.5
Weight SLR	kg	13.5	15.5	19.5	22.5	25.5



INSTALLATION

Floor mounted, wall mounted or (only for SL versions) ceiling mounted.**



SL ONLY

* With the exception of the combination with SIOS Control, in all other cases: Touch control on the machine, air probe on the machine and remote control disabled
**Ceiling installation: kits required for ceiling installation and foot kit. The foot kit is optimised for floor installation.

TECHNICAL DATA					200			400			600			800			1000		
SL Air inverter (with TR command)					01851			01852			01853			01854			01855		
SL Air inverter (with AR command)					01767			01768			01769			01770			01771		
SLR Air inverter (with TR command)					01856			01857			01858			01859			01860		
SLR Air omvormer (with AR command)					01772			01773			01774			01775			01776		
Fan speed					Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.38	0.71	0.82	0.91	1.34	1.74	1.50	2.10	2.54	1.98	2.69	3.29	2.17	3.25	3.78
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.26	0.50	0.64	0.65	1.02	1.25	1.10	1.56	1.94	1.54	2.09	2.54	1.71	2.42	2.98
Fluid flow rate	a27/19 - w7/12	(a)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	3.8	10.6	13.1	2.4	5.5	8.2	7.5	14.2	19	7.3	13.8	18.7	5.7	13.1	18.2
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	0.64	0.84	1.05	1.25	1.65	2.31	1.75	2.56	3.12	2.21	3.10	4.10	3.05	3.77	4.67
Fluid flow rate	a20/15 - w50/-	(b)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	3.2	8.8	10.9	2.0	4.6	6.8	6.2	11.8	15.8	6.1	11.5	15.5	4.7	10.9	15.1
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	0.54	0.70	0.88	1.06	1.39	1.94	1.46	2.14	2.60	1.85	2.60	3.44	2.56	3.16	3.91
Fluid flow rate	a20/15 - w45/40	(c)		l/h	91.9	119.9	150.0	181.9	238.1	330.3	250.6	365.7	444.6	316.6	444.8	587.9	438.1	541.0	668.5
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	5.7	8.8	12.2	2.9	4.8	7.9	5.8	11.8	16.0	4.1	8.9	14.2	6.4	9.8	13.9
Absorbed power			(E)	W	5	7	11	6	9	19	7	11	20	8	12	24	9	14	27
Sound Power Lw (A)			(E)	dB(A)	38	45	52	39	46	53	41	47	53	42	48	54	42	48	54
Sound pressure Lp (A)		(d)		dB(A)	29	36	43	30	37	44	32	38	44	33	39	45	33	39	45
Air flow rate		(f)		m3/h	100	130	160	190	250	320	280	360	460	350	450	575	400	510	650
Battery water content				l	0.47			0.8			1.13			1.46			1.8		
Maximum operating pressure				bar	10			10			10			10			10		
Hydraulic fittings				inch	Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			Eurocono 3/4		
Electrical power supply				V/ph/Hz	230/1/50			230/1/50			230/1/50			230/1/50			230/1/50		
SLR ONLY Max static heating efficiency (50°C)				kW	0.37			0.42			0.5			0.62			0.77		
SLR ONLY Max static heating efficiency (70°C)				kW	0.59			0.71			0.84			1.04			1.28		
SLR ONLY Water content of the radiant panel				l	0.19			0.27			0.35			0.43			0.50		

The above services refer to the following operating conditions:
(a) Cooling mode at standard conditions: air temperature 27°C b.s. 19°C b.u., water inlet temperature 7°C, water outlet temperature 12°C
(b) Heating mode conditions of use 1: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 50°C, water flow equal to the cooling water standard condition
(c) Heating mode standard conditions: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 45°C, water outlet temperature 40°C
(d) Sound pressure level valid for closed rooms with a volume of 100 m3 with a reverberation time of 0.5 s and installation on the floor/ceiling, sound emission on 1/4 sphere at 3 m distance
(E) Eurovent certified data
(f) Air flow rate measured with clean filters

ACCESSORIES

			SL	SLR
CONTROLS	B0736	Wall-mounted Modbus chrono-thermostat kit	TR	TR
	B0921	Contact touch wall-mounted thermostat kit	AR	–
	INDRZ	Addressing of the Modbus control kit	TR	TR
	B0839	LH-RH connection rotation extension kit	O	O
HYDRAULICS KIT	B0832	2-way valve group kit with 4-wire actuator	O	O
	B0834	3-way valve group kit with 4-wire actuator	O	O
	B0205	Manual 2-way valve group kit	O	O
	B0204	Manual 2-way valve insulation kit	O	O
	B0200	Adapter connection kit for 1/2" gas thread	O	O
	B0201	Adapter connection kit for 3/4" gas thread	O	O
	B0203	Eurokonus 90° bending connection kit	O	O

ACCESSORIES

			SL	SLR
AESTHETIC KITS	B0852	Floor mounting bracket kit	≤1000	≤1000
	B0853	Aesthetic kit feet for covering	≤1000	≤1000
	B0847	Back panel	200	200
	B0848	Back panel	400	400
	B0849	Back panel	600	600
	B0850	Back panel	800	800
	B0851	Back panel	1000	1000
	B0520	Ceiling-mount kit (condensate trap)	200	–
	B0521	Ceiling-mount kit (condensate trap)	400	–
	B0522	Ceiling-mount kit (condensate trap)	600	–
	B0523	Ceiling-mount kit (condensate trap)	800	–
	B0524	Ceiling-mount kit (condensate trap)	1000	–

O Optional accessory | – Accessory not compatible

Accessory description on page 92

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

Bi2 AIR SL SLR

Slim fan coil units, SL and SLR versions

Compatible with: SiOS CONTROL

PRO-POWER

Up to 4.85 kW of power, for larger spaces and colder climates.

INTEGRAL DESIGN

Front and side panels are joined for easy installation and maintenance.

MULTISET CONTROL

Integrated electronics allows touch operation, remote control and home automation connection.

FEATURES

- Heats, Cools, Dehumidifies and Filters.
- Integral aesthetics with intake from the lower side.
- Front in metal, sides in ABS.
- Compact: Min thickness 17,9 cm max 20 cm.
- Range consisting of 3 power modules.
- DC brushless motor.
- Monobloc body for work in comfort.
- Double motorised steel air delivery flap.
- Anti-intrusion grilles on the air intake and outlet.
- Removable filters placed on the air intake.
- Remote control supplied (only for TR control).
- Available in the colours: ☐ White RAL 9003

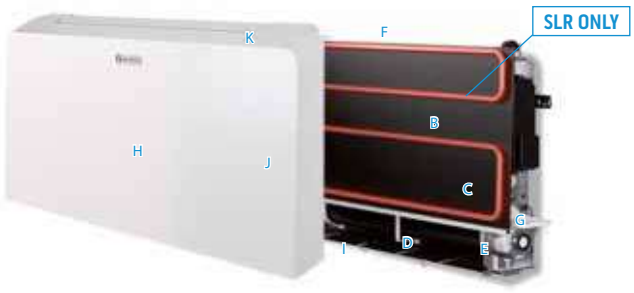
INTEGRATED CONTROLS AS STANDARD

TR (Touch Remote) CONTROL:
includes on-board touch control and remote control (supplied). Additionally, through a combination of keys, it is possible to remotely* control with a B0736 wall remote control or a home automation control (SiOS Control by Olimpia Splendid or MyHome by Bticino), via the Modbus RS485 serial protocol (ASCII or RTU). In addition, a correction of the room temperature read can be added via the user interface.

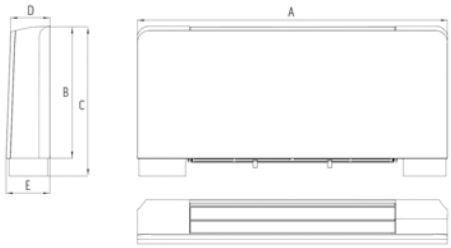
AR (Analog Remote) CONTROL:
Allows remote control by interfacing with wall controls or home automation control systems via 0-10V analog input or contacts (for radiant fan coil units, use the contact mode). It has a 230Vac output for control of a solenoid valve and a water probe inlet with the function of a minimum probe (for both modes of remote control). **AR models on request.**

LAYOUT, DIMENSIONS, WEIGHT

1. Heat exchanger battery
2. High efficiency radiant heating panel (SLR version)
3. Tangential fan
4. Brushless DC electric motor
5. Air delivery flap and anti-intrusion delivery grille
6. Condensate trap
7. Front body in electrogalvanised sheet metal
8. Anti-intrusion intake grille
9. Sides in ABS
10. On-board touch control (TR version)

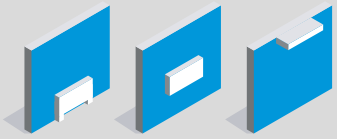


		1100	1400	1600
A	mm	1345	1345	1415
B	mm	599	599	599
C	mm	719	719	719
D	mm	179	179	179
E	mm	200	200	200
Weight SL	kg	22,0	22.5	24
Weight SLR	kg	24,0	24,5	26



INSTALLATION

Floor mounted, wall mounted or (only for SL versions) ceiling mounted.**



* With the exception of the combination with SIOS Control, in all other cases: Touch control on the machine, air probe on the machine and remote control disabled
**Ceiling installation: kits required for ceiling installation and foot kit. The foot kit is optimised for floor installation.

NEW

TECHNICAL DATA					1100			1400			1600		
SL Air inverter (with TR command)					02362			02048			02050		
SL Air inverter (with AR command)					02361			02049			02051		
SLR Air inverter (with TR command)					02360			02052			02054		
SLR Air omvormer (with AR command)					02359			02053			02055		
Fan speed					Lower	Middle	High	Lower	Middle	High	Lower	Middle	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	2.43	3.24	3.85	3.05	3.78	4.45	3.28	4.09	4.85
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	1.78	2.41	2.93	2.14	2.69	3.20	2.30	2.90	3.50
Fluid flow rate	a27/19 - w7/12	(a)		l/h	417.4	557.3	664.2	525.6	652.4	769.9	565.2	706	839.2
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	13.9	23.7	32.6	19	27.8	37.2	20.9	30.8	41
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	2.88	4.06	4.8	3.61	4.53	5.50	3.85	4.87	5.90
Fluid flow rate	a20/15 - w50/-	(b)		l/h	417.4	557.3	664.2	525.6	652.4	769.9	565.2	706	839.2
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	12.3	21.1	29.1	16.2	23.7	31.7	19.4	28.6	35.7
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	2.6	3.4	4.11	3.07	3.87	4.70	3.28	4.16	5.05
Fluid flow rate	a20/15 - w45/40	(c)		l/h	449	590	712	527.1	663.4	803.9	563.1	713	863.6
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	14.3	23.5	33.3	17.1	25.8	35.5	20.2	30.8	38.8
Absorbed power			(E)	W	6	13	26	6	13	26	6	15	29
Sound Power Lw (A)			(E)	dB(A)	39	46	50	38	49	54	39	50	55
Sound pressure Lp (A)		(d)		dB(A)	30	41	46	30	41	46	31	42	47
Air flow rate		(f)		m3/h	460	610	765	460	610	765	490	655	820
Battery water content				l	1.94			2.33			2.5		
Maximum operating pressure				bar	10			10			10		
Hydraulic fittings				inch	Eurocone 3/4			Eurocono 3/4			Eurocono 3/4		
Electrical power supply				V/ph/Hz	230/1/50			230/1/50			230/1/50		
SLR ONLY: Max static heating efficiency (50°C)				kW	0.45			0.45			0.5		
SLR ONLY: Max static heating efficiency (70°C)				kW	0.8			0.8			0.9		
SLR ONLY: Water content of the radiant panel				l	0.43			0.43			0.43		

The above services refer to the following operating conditions:
(a) Cooling mode at standard conditions: air temperature 27°C b.s. 19°C b.u., water inlet temperature 7°C, water outlet temperature 12°C
(b) Heating mode conditions of use 1: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 50°C, water flow equal to the cooling water standard condition
(c) Heating mode standard conditions: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 45°C, water outlet temperature 40°C
(d) Sound pressure level valid for closed rooms with a volume of 100 m3 with a reverberation time of 0.5 s and installation on the floor/ceiling, sound emission on 1/4 sphere at 3 m distance
(E) Eurovent certified data
(f) Air flow rate measured with clean filters

ACCESSORIES			SL	SLR
CONTROLS	B0736	Wall-mounted Modbus chrono-thermostat kit	TR	TR
	B0921	Contact touch wall-mounted thermostat kit	AR	–
	INDRZ	Addressing of the Modbus control kit	TR	TR
	B0839	LH-RH connection rotation extension kit	O	O
HYDRAULICS KIT	B0832	2-way valve group kit with 4-wire actuator	O	O
	B0834	3-way valve group kit with 4-wire actuator	O	O
	B0205	Manual 2-way valve group kit	O	O
	B0204	Manual 2-way valve insulation kit	O	O
	B0200	Adapter connection kit for 1/2" gas thread	O	O
	B0201	Adapter connection kit for 3/4" gas thread	O	O
	B0203	Eurokonus 90° bending connection kit	O	O

ACCESSORIES			SL	SLR
AESTHETIC KITS	B0875	Floor mounting bracket kit	≥1100	≥1100
	B0874	Aesthetic kit feet for covering	≥1100	≥1100
	B0876	Back panel	1100	1100
	B0876	Back panel	1400	1400
	B0877	Back panel	1600	1600
	B0878	Ceiling-mount kit (condensate trap)	1100	–
	B0878	Ceiling-mount kit (condensate trap)	1400	–
	B0879	Ceiling-mount kit (condensate trap)	1600	–

O Optional accessory | – Accessory not compatible

Accessory description on page 92

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

Bi2 WALL

High-wall fan coil units

Compatible with: SiOS CONTROL

REVERSIBILTY

By rotating the display, Bi2 Wall can be installed as a split unit or a console machine.

FAMILY FEELING

Similar design as the Bi2 Air terminal to allow aesthetically coordinated installations in the same environment.

MULTISET CONTROL

Integrated electronics allows touch operation, remote control and home automation connection.

FEATURES

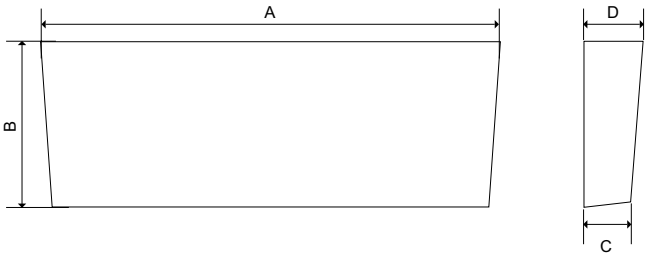
- Heats, Cools, Dehumidifies and Filters
- Brushless DC motor
- Equipped with large motorised flap
- Total flat aesthetics
- Compact: Thickness min. 12.9 cm max 15 cm.
- Range consisting of 3 models of different power.
- Fan coil unit supplied with 2 or 3-way valve integrated with 4 wire electrothermic actuators.
- Monobloc body for comfortable working.
- Motorised steel air delivery flap.
- Extractable filters placed on the air intake.
- Remote control supplied (only for TR control)
- Robust metal body
- Available in the colours: ☐ White RAL 9003

INTEGRATED CONTROLS AS STANDARD

TR (Touch Remote) CONTROL:
includes on-board touch control and a remote control (supplied). Additionally, through a combination of keys, it is possible to remotely* control with a B0736 wall remote control or a home automation control (SiOS Control by Olimpia Splendid or MyHome by Bticino), via the Modbus RS485 ASCII serial protocol.

AR (Analog Remote) CONTROL:
allows remote control by interfacing with wall controls or home automation control systems via 0-10V analog input or contacts (for radiant fan coil units, use the contact mode). It has a 230Vac output for control of a solenoid valve and a water probe inlet with the function of a minimum probe (only for use in contact mode). **AR models on request.**

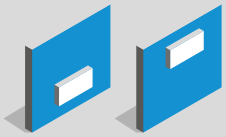
LAYOUT, DIMENSIONS, WEIGHT



		400	600	800
A	mm	906	1106	1306
B	mm	380	380	380
C	mm	129	129	129
D	mm	150	150	150
Weight	kg	13	14.5	16

INSTALLATION

Console and high-wall.



* With the exception of the combination with SIOS Control, in all other cases: Touch control on the machine, air probe on the machine and remote control disabled

TECHNICAL DATA					400			600			800		
SLW inverter (with 2-way valve and TR command)					01784			01785			01786		
SLW inverter (with 2-way valve and AR command)					01875			01876			01877		
SLW inverter (with 3-way valve and TR command)					01787			01788			01789		
SLW inverter (with 3-way valve and AR command)					01878			01879			01880		
Fan speed					Lower	Middle	High	Lower	Middle	High	Lower	Middle	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.52	0.71	1.01	0.69	0.89	1.23	0.77	1.09	1.82
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.42	0.59	0.91	0.58	0.80	1.15	0.65	0.95	1.47
Fluid flow rate	a27/19 - w7/12	(a)		l/h	90.6	124.0	177.0	120.1	155.1	215.5	134.0	189.7	317.7
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	2.8	5.2	8.9	4.9	6	7.9	2.1	4.8	11
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	0.67	0.99	1.55	0.98	1.37	2.16	1.14	1.68	2.85
Fluid flow rate	a20/15 - w50/-	(b)		l/h	90.6	124.0	177.0	120.1	155.1	215.5	134.0	189.7	317.7
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	2.4	4.5	7.1	1.9	2.9	2.5	2.0	4.6	8.8
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	0.58	0.86	1.40	0.86	1.20	1.90	0.99	1.45	2.50
Fluid flow rate	a20/15 - w45/40	(c)		l/h	99.1	146.3	237.5	146.5	204.6	322.8	168.1	247.8	425.4
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	3.4	6.7	11.6	6.7	11.9	5.4	8.5	16.4	15.3
Absorbed power			(E)	W	7	11	19	8	12	23	9	13	27
Sound Power Lw (A)			(E)	dB(A)	43	49	57	43	50	58	43	50	58
Sound pressure Lp (A)		(d)		dB(A)	34	40	48	34	41	49	34	41	49
Air flow rate		(f)		m3/h	140	190	290	190	260	400	200	280	430
Battery water content				l		0.3			0.4			0.5	
Maximum operating pressure				bar		8			8			8	
Hydraulic fittings				inch		Eurocono 3/4			Eurocono 3/4			Eurocono 3/4	
Electrical power supply				V/ph/Hz		230/1/50			230/1/50			230/1/50	
Max static heating efficiency (50°C)				kW		-			-			-	
Max static heating efficiency (70°C)				kW		-			-			-	
Water content of the radiant panel				l		-			-			-	

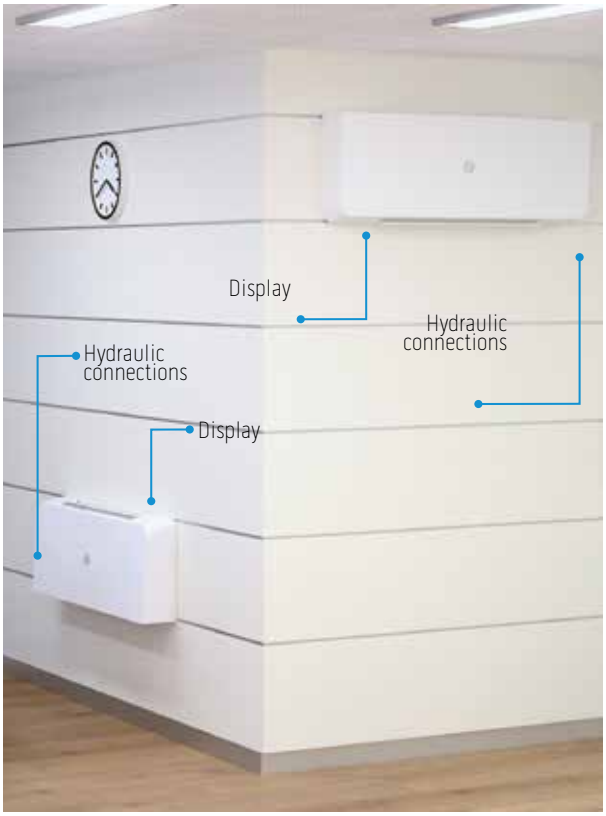
The above services refer to the following operating conditions:
(a) Cooling mode at standard conditions: air temperature 27°C b.s. 19°C b.u., water inlet temperature 7°C, water outlet temperature 12°C
(b) Heating mode conditions of use 1: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 50°C, water flow equal to the cooling water standard condition
(c) Heating mode standard conditions: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 45°C, water outlet temperature 40°C
(d) Sound pressure level valid for closed rooms with a volume of 100 m3 with a reverberation time of 0.5 s and installation on the floor/ceiling, sound emission on 1/4 sphere at 3 m distance
(E) Eurovent certified data
(f) Air flow rate measured with clean filters

ACCESSORIES

			SLW
CONTROLS	B0736	Wall-mounted Modbus chrono-thermostat kit	TR
	B0921	Contact touch wall-mounted thermostat kit	AR
	INDRZ	Addressing of the Modbus control kit	TR

Accessory description on page 92

Bi2 Wall is the first hydronic fan coil unit that can be installed as a high wall "split" (High Wall configuration) or as a low wall console machine (Console configuration). Depending on the installation configuration, with a combination of keys on the control on the machine, the display digits are rotated. In the High Wall configuration the water connections are positioned on the right and the display is positioned on the left. In the Console configuration the water connections are positioned on the left and the display is positioned on the right.



Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

Bi2 SMART S1 SL SLR

Ultraslim fan coil units, SL and SLR versions

Compatible with: SiOS CONTROL

TOTAL FLAT DESIGN

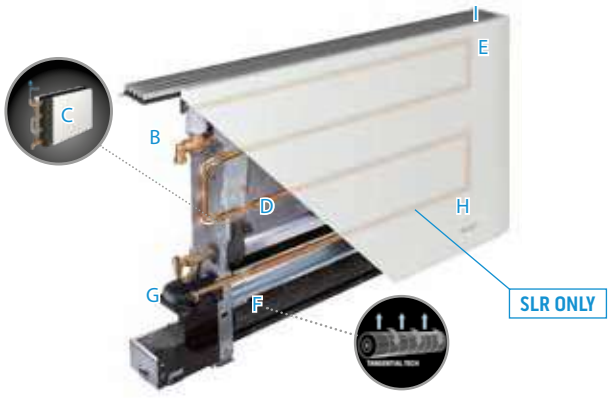
Linear aesthetics (with bottom suction system) for maximum integration with the surrounding architecture.

FEATURES

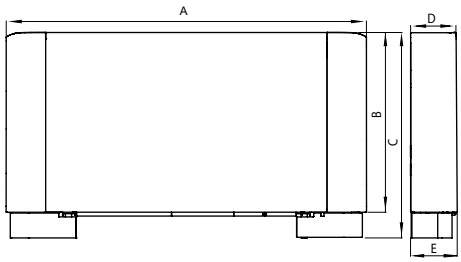
- Air Conditions, Dehumidifies, Heats and Filters.
- Fan coil unit with integrated radiant panel (SLR version).
- Compact: Thickness min 12.9 cm - max 15 cm
- Range consisting of 5 models to adapt to the power
- Brushless DC motor
- Metal front, Smart sides in ABS
- Total Flat aesthetic with air extraction system from the bottom side
- New standard configuration with short delivery grille, symmetrical, for installation of the touch controls possible on site
- Available in the colours: ☐ White RAL 9003

LAYOUT, DIMENSIONS, WEIGHT

1. Valve with thermoelectric actuator (accessory kit)
2. Tubular radiant heating panel (SLR version)
3. High-efficiency battery
4. Water temperature probe
5. High-efficiency tangential fan
6. Condensate trap
7. Brushless DC motor inverter
8. Electronic control (accessory kit)

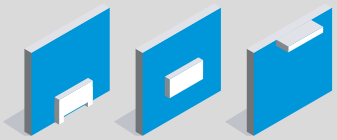


		200	400	600	800	1000
A	mm	759	959	1159	1359	1559
B	mm	579	579	579	579	579
C	mm	659	659	659	659	659
D	mm	129	129	129	129	129
E	mm	150	150	150	150	150
Weight SL	kg	11.5	13	15.5	18.5	21.5
Weight SLR	kg	13,5	15,5	19,5	22,5	-



INSTALLATION

Installation floor mounted, wall mounted or (only for SL versions) ceiling-mounted.*



SL ONLY

* Ceiling installation: kits required for ceiling installation and foot kit. The foot kit is optimised for floor installation.

TECHNICAL DATA					200			400			600			800			1000		
SL Smart S1 inverter					02122			02123			02124			02125			02126		
SLR Smart S1 inverter					02127			02128			02129			02130			-		
Fan speed					Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.38	0.71	0.82	0.91	1.34	1.74	1.50	2.10	2.54	1.98	2.69	3.29	2.17	3.25	3.78
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.26	0.50	0.64	0.65	1.02	1.25	1.10	1.56	1.94	1.54	2.09	2.54	1.71	2.42	2.98
Fluid flow rate	a27/19 - w7/12	(a)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	3.8	10.6	13.1	2.4	5.5	8.2	7.5	14.2	19	7.3	13.8	18.7	5.7	13.1	18.2
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	0.64	0.84	1.05	1.25	1.65	2.31	1.75	2.56	3.12	2.21	3.10	4.10	3.05	3.77	4.67
Fluid flow rate	a20/15 - w50/-	(b)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	3.2	8.8	10.9	2.0	4.6	6.8	6.2	11.8	15.8	6.1	11.5	15.5	4.7	10.9	15.1
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	0.54	0.70	0.88	1.06	1.39	1.94	1.46	2.14	2.60	1.85	2.60	3.44	2.56	3.16	3.91
Fluid flow rate	a20/15 - w45/40	(c)		l/h	91.9	119.9	150.0	181.9	238.1	330.3	250.6	365.7	444.6	316.6	444.8	587.9	438.1	541.0	668.5
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	5.7	8.8	12.2	2.9	4.8	7.9	5.8	11.8	16.0	4.1	8.9	14.2	6.4	9.8	13.9
Absorbed power			(E)	W	5	7	11	6	9	19	7	11	20	8	12	24	9	14	27
Sound Power Lw (A)			(E)	dB(A)	38	45	52	39	46	53	41	47	53	42	48	54	42	48	54
Sound pressure Lp (A)		(d)		dB(A)	29	36	43	30	37	44	32	38	44	33	39	45	33	39	45
Air flow rate		(f)		m3/h	100	130	160	190	250	320	280	360	460	350	450	575	400	510	650
Battery water content				l	0.47			0.8			1.13			1.46			1.8		
Maximum operating pressure				bar	10			10			10			10			10		
Hydraulic fittings				inch	Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			Eurocono 3/4		
Electrical power supply				V/ph/Hz	230/1/50			230/1/50			230/1/50			230/1/50			230/1/50		
SLR ONLY Max static heating efficiency (50°C)				kW	0.37			0.42			0.5			0.62			-		
SLR ONLY Max static heating efficiency (70°C)				kW	0.59			0.71			0.84			1.04			-		
SLR ONLY Water content of the radiant panel				l	0.19			0.27			0.35			0.43			-		

The above services refer to the following operating conditions:
(a) Cooling mode at standard conditions: air temperature 27°C b.s. 19°C b.u., water inlet temperature 7°C, water outlet temperature 12°C
(b) Heating mode conditions of use 1: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 50°C, water flow equal to the cooling water standard condition
(c) Heating mode standard conditions: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 45°C, water outlet temperature 40°C
(d) Sound pressure level valid for closed rooms with a volume of 100 m3 with a reverberation time of 0.5 s and installation on the floor/ceiling, sound emission on 1/4 sphere at 3 m distance
(E) Eurovent certified data
(f) Air flow rate measured with clean filters

ACCESSORIES			SL	SLR
CONTROLS	B0872	On-board autonomous flat touch control kit	O	O
	B0873	Electronic contacts/0-10V remote control kit	O	O
	B0736	Wall-mounted Modbus chrono-thermostat kit	O	O
	B0921	Contact touch wall-mounted thermostat kit	O	–
	B0633	LH-RH connection rotation extension kit	O	O
HYDRAULICS KIT	B0832	2-way valve group kit with 4-wire actuator	O	O
	B0834	3-way valve group kit with 4-wire actuator	O	O
	B0205	Manual 2-way valve group kit	O	O
	B0204	Manual 2-way valve insulation kit	O	O
	B0200	Adapter connection kit for 1/2" gas thread	O	O
	B0201	Adapter connection kit for 3/4" gas thread	O	O
	B0203	Eurokonus 90° bending connection kit	O	O

ACCESSORIES			SL	SLR
AESTHETIC KITS	B0938	Floor mounting bracket kit	O	O
	B0937	Aesthetic kit feet for covering	O	O
	B0520	Ceiling-mount kit (condensate trap)	200	–
	B0521	Ceiling-mount kit (condensate trap)	400	–
	B0522	Ceiling-mount kit (condensate trap)	600	–
	B0523	Ceiling-mount kit (condensate trap)	800	–
	B0524	Ceiling-mount kit (condensate trap)	1000	–

O Optional accessory | – Accessory not compatible

Accessory description on page 92

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

Bi2 NAKED SLI SLIR

Compatible with: SiOS CONTROL

Ultraslim fan coil units, SLI and SLIR versions

SPACE SAVINGS

Formwork measuring only 14.2 cm deep.

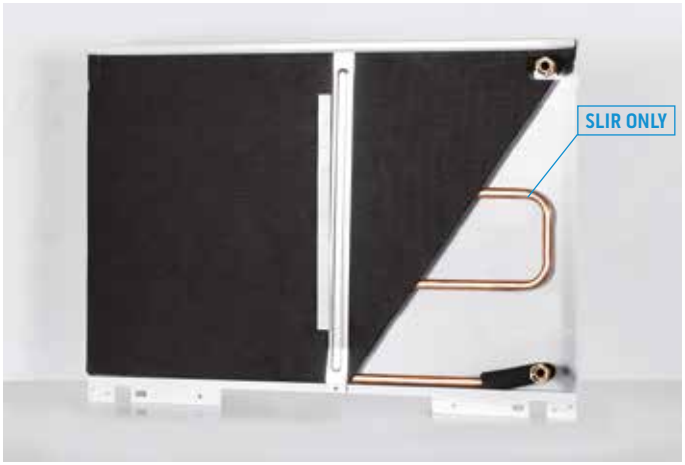
SMALL FOOTPRINT

Closing panel in metal for wall installation.

FEATURES

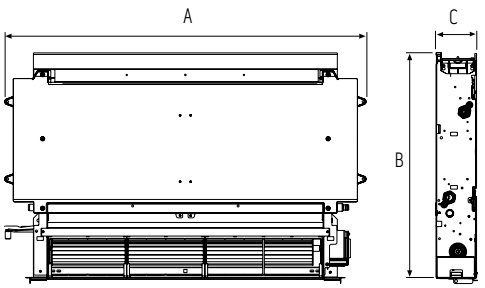
- Air Conditions, Dehumidifies, Heats and Filter
- Recessed version (with integrated radiant panel for the SLIR version)
- Compact: Recessed wall-mounted thickness of only 142 mm
- Range consisting of 5 models of different power
- Brushless DC motor
- SLIR version available only with hydraulic connections on the left.
- Metal closing panel available in the colours: ☐ white RAL 9003

LAYOUT, DIMENSIONS, WEIGHT



Fan coil unit

		200	400	600	800	1000
A	mm	525	725	925	1125	1325
B	mm	576	576	576	576	576
C	mm	126	126	126	126	126
Weight SLI	kg	7	9.5	11	14	17
Weight SLIR	kg	9	12	15	18	21



INSTALLATION

Wall with panel

Required accessories: recessed formwork and closing panel.




Wall with grilles

Required accessories: air extraction kit and insulated 90° delivery plenum (grilles and panel not supplied).

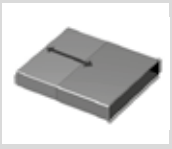



SLI ONLY


False ceiling

Required accessories: air extraction kit, telescopic top or insulated 90° delivery plenum, delivery grilles and air intake grilles with an airfoil profile.

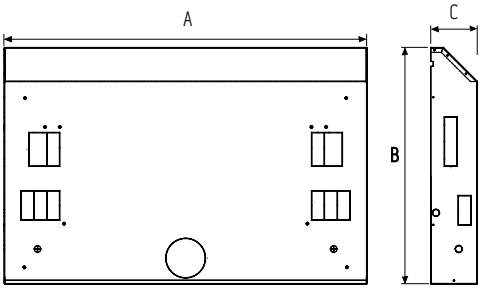





SLI ONLY

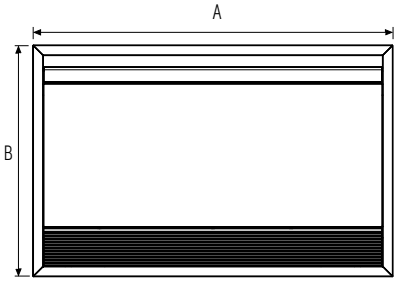

Recessed formwork

		200	400	600	800	1000
A	mm	713	913	1113	1313	1513
B	mm	725	725	725	725	725
C	mm	142	142	142	142	142



Closing panel

		200	400	600	800	1000
A	mm	772	972	1172	1372	1572
B	mm	754	754	754	754	754



TECHNICAL DATA					200			400			600			800			1000		
SLI inverter					01513			01514			01515			01516			01517		
SLIR inverter					01639			01640			01641			01642			01643		
Fan speed					Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High	Lower	Middle	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.38	0.71	0.82	0.91	1.34	1.74	1.50	2.10	2.54	1.98	2.69	3.29	2.17	3.25	3.78
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.26	0.50	0.64	0.65	1.02	1.25	1.10	1.56	1.94	1.54	2.09	2.54	1.71	2.42	2.98
Fluid flow rate	a27/19 - w7/12	(a)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	3.8	10.6	13.1	2.4	5.5	8.2	7.5	14.2	19	7.3	13.8	18.7	5.7	13.1	18.2
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	0.64	0.84	1.05	1.25	1.65	2.31	1.75	2.56	3.12	2.21	3.10	4.10	3.05	3.77	4.67
Fluid flow rate	a20/15 - w50/-	(b)		l/h	66.2	123.3	142.9	157.6	232.0	302.5	259.2	363.1	440.3	341.9	464.7	570.0	374.8	561.4	654.8
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	3.2	8.8	10.9	2.0	4.6	6.8	6.2	11.8	15.8	6.1	11.5	15.5	4.7	10.9	15.1
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	0.54	0.70	0.88	1.06	1.39	1.94	1.46	2.14	2.60	1.85	2.60	3.44	2.56	3.16	3.91
Fluid flow rate	a20/15 - w45/40	(c)		l/h	91.9	119.9	150.0	181.9	238.1	330.3	250.6	365.7	444.6	316.6	444.8	587.9	438.1	541.0	668.5
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	5.7	8.8	12.2	2.9	4.8	7.9	5.8	11.8	16.0	4.1	8.9	14.2	6.4	9.8	13.9
Absorbed power			(E)	W	5	7	11	6	9	19	7	11	20	8	12	24	9	14	27
Sound Power Lw (A)			(E)	dB(A)	38	45	52	39	46	53	41	47	53	42	48	54	42	48	54
Sound pressure Lp (A)		(d)		dB(A)	29	36	43	30	37	44	32	38	44	33	39	45	33	39	45
Air flow rate		(f)		m3/h	100	130	160	190	250	320	280	360	460	350	450	575	400	510	650
Battery water content				l	0.47			0.8			1.13			1.46			1.8		
Maximum operating pressure				bar	10			10			10			10			10		
Hydraulic fittings				inch	Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			Eurocono 3/4			Eurocono 3/4		
Electrical power supply				V/ph/Hz	230/1/50			230/1/50			230/1/50			230/1/50			230/1/50		
SLIR ONLY Max static heating efficiency (50°C)				kW	0.37			0.42			0.50			0.62			0.77		
SLIR ONLY Max static heating efficiency (70°C)				kW	0.59			0.71			0.84			1.04			1.28		
SLIR ONLY Water content of the radiant panel				l	0.27			0.35			0.43			0.50			0.57		

The above services refer to the following operating conditions:
(a) Cooling mode at standard conditions: air temperature 27°C b.s. 19°C b.u., water inlet temperature 7°C, water outlet temperature 12°C
(b) Heating mode conditions of use 1: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 50°C, water flow equal to the cooling water standard condition
(c) Heating mode standard conditions: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 45°C, water outlet temperature 40°C
(d) Sound pressure level valid for closed rooms with a volume of 100 m3 with a reverberation time of 0.5 s and installation on the floor/ceiling, sound emission on 1/4 sphere at 3 m distance
(E) Eurovent certified data
(f) Air flow rate measured with clean filters

			SLI	SLIR
CONTROLS	B0872	On-board autonomous flat touch control kit	O	O
	B0873	Electronic contacts/0-10V remote control kit	O	O
	B0736	Wall-mounted Modbus chrono-thermostat kit	O	O
	B0921	Contact touch wall-mounted thermostat kit	O	–
	B0633	LH-RH connection rotation extension kit	O	–
HYDRAULICS KIT	B0832	2-way valve group kit with 4-wire actuator	O	O
	B0834	3-way valve group kit with 4-wire actuator	O	O
	B0205	Manual 2-way valve group kit	O	O
	B0204	Manual 2-way valve insulation kit	O	O
	B0200	Adapter connection kit for 1/2" gas thread	O	O
	B0201	Adapter connection kit for 3/4" gas thread	O	O
	B0203	Eurokonus 90° bending connection kit	O	O
KIT FOR RECESS WITH FORMWORK	B0568	Formwork for recessed installation	200	200
	B0569	Formwork for recessed installation	400	400
	B0570	Formwork for recessed installation	600	600
	B0571	Formwork for recessed installation	800	800
	B0572	Formwork for recessed installation	1000	1000
	B0950	Radiant closing panel RAL 9003	–	200
	B0951	Radiant closing panel RAL 9003	–	400
	B0952	Radiant closing panel RAL 9003	–	600
	B0953	Radiant closing panel RAL 9003	–	800
	B0954	Radiant closing panel RAL 9003	–	≥ 1000
	B0955	Closing panel RAL 9003	200	–
	B0956	Closing panel RAL 9003	400	–
	B0957	Closing panel RAL 9003	600	–
	B0958	Closing panel RAL 9003	800	–
	B0959	Closing panel RAL 9003	≥ 1000	–

			SLI	SLIR
KIT FOR RECESS WITHOUT FORMWORK	B0550	Air delivery grille with airfoil profile	200	–
	B0551	Air delivery grille with airfoil profile	400	–
	B0552	Air delivery grille with airfoil profile	600	–
	B0553	Air delivery grille with airfoil profile	800	–
	B0554	Air delivery grille with airfoil profile	1000	–
	B0559	Air intake grille with airfoil profile	200	–
	B0560	Air intake grille with airfoil profile	400	–
	B0561	Air intake grille with airfoil profile	600	–
	B0562	Air intake grille with airfoil profile	800	–
	B0563	Air intake grille with airfoil profile	1000	–
KIT FOR RECESS WITHOUT FORMWORK	B0194	Intake kit	200	–
	B0195	Intake kit	400	–
	B0196	Intake kit	600	–
	B0197	Intake kit	800	–
	B0198	Intake kit	1000	–
	B0160	Telescopic top delivery plenum	200	–
	B0161	Telescopic top delivery plenum	400	–
	B0162	Telescopic top delivery plenum	600	–
	B0163	Telescopic top delivery plenum	800	–
	B0164	Telescopic top delivery plenum	1000	–
	B0165	Insulated 90° delivery plenum	200	–
	B0166	Insulated 90° delivery plenum	400	–
	B0167	Insulated 90° delivery plenum	600	–
	B0168	Insulated 90° delivery plenum	800	–
	B0169	Insulated 90° delivery plenum	1000	–

O Optional accessory | – Accessory not compatible

Accessory description on page 92

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

Bi2 NAKED SLI SLIR

Slim fan coil units, SLI and SLIR versions

Compatible with: SiOS CONTROL

PRO-POWER

Up to 4.85 kW of power, for larger spaces and colder climates.

SPACE SAVINGS

Formwork measuring only 21.7 cm deep.

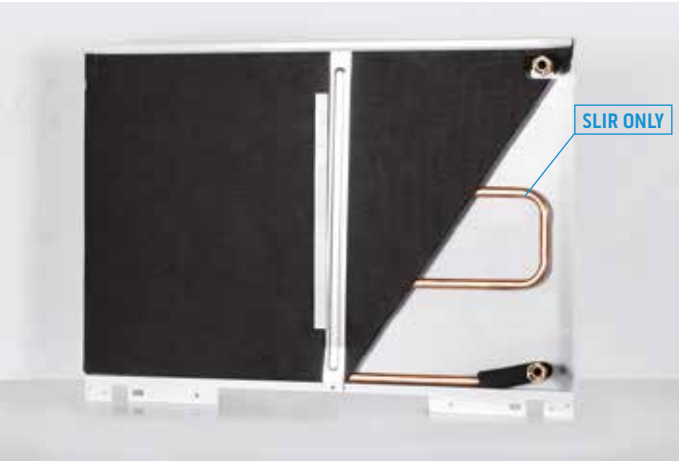
SMALL FOOTPRINT

Closing panel in metal for wall installation.

FEATURES

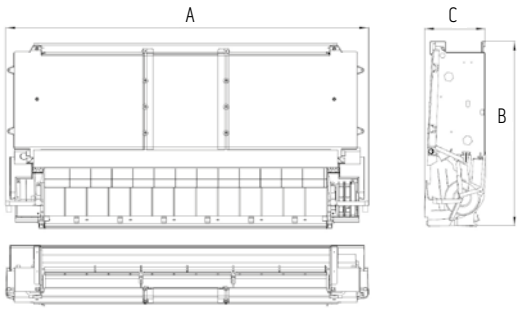
- Air Conditions, Dehumidifies, Heats and Filter
- Recessed version (with integrated radiant panel for the SLIR version)
- Compact: Recessed wall-mounted thickness of only 217 mm
- Range consisting of 3 models of different power
- Brushless DC motor
- SLIR version available only with hydraulic connections on the left.
- Metal closing panel available in the colours: ☐ white RAL 9003

LAYOUT, DIMENSIONS, WEIGHT



Fan coil unit

		1100	1400	1600
A	mm	1110	1110	1180
B	mm	599	599	599
C	mm	198	198	198
Weight SLI	kg	17.5	18	19.5
Weight SLIR	kg	19.5	20	21



INSTALLATION

Wall with panel

Required accessories: recessed formwork and closing panel.




Wall with grilles

Required accessories: air extraction kit and insulated 90° delivery plenum (grilles and panel not supplied).

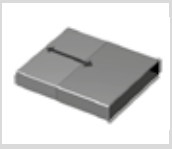



SLI ONLY

False ceiling

Required accessories: air extraction kit, telescopic top or insulated 90° delivery plenum, delivery grilles and air intake grilles with an airfoil profile.





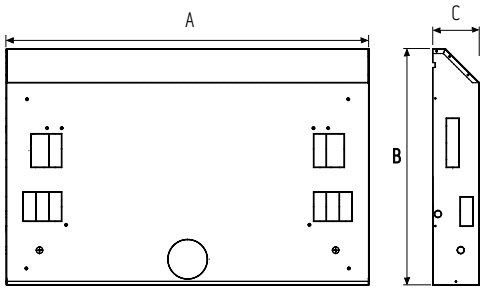

SLI ONLY

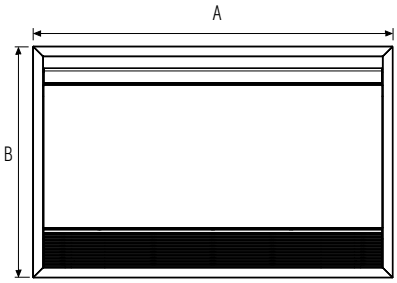
Recessed formwork

		1100	1400	1600
A	mm	1513	1513	1513
B	mm	725	725	725
C	mm	217	217	217

Closing panel

		1100	1400	1600
A	mm	1572	1572	1572
B	mm	754	754	754





NEW

TECHNICAL DATA					1100			1400			1600		
SLI inverter					02363			02056			02057		
SLIR inverter					02364			02071			02072		
Fan speed					Lower	Middle	High	Lower	Middle	High	Lower	Middle	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	2.43	3.24	3.85	3.05	3.78	4.45	3.28	4.09	4.85
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	1.78	2.41	2.93	2.14	2.69	3.20	2.30	2.90	3.50
Fluid flow rate	a27/19 - w7/12	(a)		l/h	417.4	557.3	664.2	525.6	652.4	769.9	565.2	706	839.2
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	13.9	23.7	32.6	19	27.8	37.2	20.9	30.8	41
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	2.88	4.06	4.8	3.61	4.53	5.50	3.85	4.87	5.90
Fluid flow rate	a20/15 - w50/-	(b)		l/h	417.4	557.3	664.2	525.6	652.4	769.9	565.2	706	839.2
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	12.3	21.1	29.1	16.2	23.7	31.7	19.4	28.6	35.7
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	2.6	3.4	4.11	3.07	3.87	4.70	3.28	4.16	5.05
Fluid flow rate	a20/15 - w45/40	(c)		l/h	449	590	712	527.1	663.4	803.9	563.1	713	863.6
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	14.3	23.5	33.3	17.1	25.8	35.5	20.2	30.8	38.8
Absorbed power			(E)	W	6	13	26	6	13	26	6	15	29
Sound Power Lw(A)			(E)	dB(A)	39	46	50	38	49	54	39	50	55
Sound pressure Lp (A)		(d)		dB(A)	30	41	46	30	41	46	31	42	47
Air flow rate		(f)		m3/h	460	610	765	460	610	765	490	655	820
Battery water content				l	1.94			2.33			2.5		
Maximum operating pressure				bar	10			10			10		
Hydraulic fittings				inch	Eurocono 3/4			Eurocono 3/4			Eurocono 3/4		
Electrical power supply				V/ph/Hz	230/1/50			230/1/50			230/1/50		
SLIR ONLY — Max static heating efficiency (50°C)				kW	0.45			0.45			0.5		
SLIR ONLY — Max static heating efficiency (70°C)				kW	0.8			0.8			0.9		
SLIR ONLY — Water content of the radiant panel				l	0.57			0.57			0.57		

The above services refer to the following operating conditions:
(a) Cooling mode at standard conditions: air temperature 27°C b.s. 19°C b.u., water inlet temperature 7°C, water outlet temperature 12°C
(b) Heating mode conditions of use 1: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 50°C, water flow equal to the cooling water standard condition
(c) Heating mode standard conditions: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 45°C, water outlet temperature 40°C
(d) Sound pressure level valid for closed rooms with a volume of 100 m3 with a reverberation time of 0.5 s and installation on the floor/ceiling, sound emission on 1/4 sphere at 3 m distance
(E) Eurovent certified data
(f) Air flow rate measured with clean filters

ACCESSORIES

			SLI	SLIR
CONTROLS	B0872	On-board autonomous flat touch control kit	O	O
	B0873	Electronic contacts/0-10V remote control kit	O	O
	B0736	Wall-mounted Modbus chrono-thermostat kit	O	O
	B0921	Contact touch wall-mounted thermostat kit	O	–
	B0633	LH-RH connection rotation extension kit	O	–
HYDRAULICS KIT	B0832	2-way valve group kit with 4-wire actuator	O	O
	B0834	3-way valve group kit with 4-wire actuator	O	O
	B0205	Manual 2-way valve group kit	O	O
	B0204	Manual 2-way valve insulation kit	O	O
	B0200	Adapter connection kit for 1/2" gas thread	O	O
	B0201	Adapter connection kit for 3/4" gas thread	O	O
	B0203	Eurokonus 90° bending connection kit	O	O
KIT FOR RECESS WITH FORMWORK	B0894	Formwork for recessed installation	≥ 1100	≥ 1100
	B0954	Radiant closing panel RAL 9003	–	≥ 1000
	B0959	Closing panel RAL 9003	≥ 1000	–

ACCESSORIES

			SLI	SLIR
KIT FOR RECESS WITHOUT FORMWORK	B0880	Air delivery grille with airfoil profile	1100	–
	B0880	Air delivery grille with airfoil profile	1400	–
	B0881	Air delivery grille with airfoil profile	1600	–
	B0882	Air intake grille with airfoil profile	1100	–
	B0882	Air intake grille with airfoil profile	1400	–
	B0883	Air intake grille with airfoil profile	1600	–
	B0888	Intake kit	1100	–
	B0888	Intake kit	1400	–
	B0889	Intake kit	1600	–
	B0890	Telescopic top delivery plenum	1100	–
	B0890	Telescopic top delivery plenum	1400	–
	B0891	Telescopic top delivery plenum	1600	–
	B0892	Insulated 90° delivery plenum	1100	–
	B0892	Insulated 90° delivery plenum	1400	–
	B0893	Insulated 90° delivery plenum	1600	–

O Optional accessory | – Accessory not compatible

Accessory description on page 92

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

Ci2 WALL

High-wall fan coil units

Compatible with: SiOS CONTROL

PRO-POWER

Maximum power 3.81 kW in cooling and 3,18 kW in heating mode.

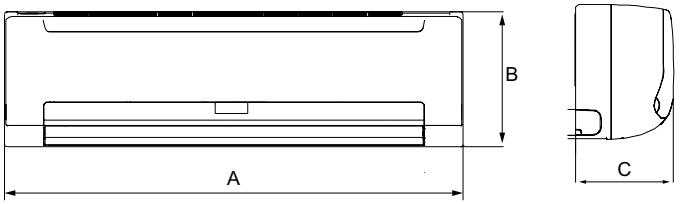
3-WAY VALVE INCLUDED

The terminal is equipped with an integrated 3-way valve for easy installation.

FEATURES

- Air Conditioning, Dehumidifying, Heating and Filtering
- Available in two sizes
- DC brushless motor
- Equipped with a large motorised flap
- Simple installation thanks to the flexible tubes supplied
- Three-way valve
- Remote control and wall-mounting brackets
- Plastic shell
- Removable front panel for easy maintenance
- Contact for external On-Off (presence contact)
- Contact for switching on/off of the external generator with 4-wire valve actuator
- Minimum sound power only 39dB (A)

LAYOUT, DIMENSIONS, WEIGHT



		1200	1400
A	mm	915	915
B	mm	290	290
C	mm	230	230
Weight	kg	12.7	12.7

INSTALLATION

High-wall

TECHNICAL DATA					1200			1400		
LGW Wall S1 inverter					99283			99284		
Fan speed					Lower	Middle	High	Lower	Middle	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	2.39	2.59	2.70	2.88	3.30	3.81
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	1.85	2.03	2.15	2.31	2.71	3.18
Fluid flow rate	a27/19 - w7/12	(a)		l/h	412.6	447.4	466.5	497.9	571.2	661.0
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	25.4	28.6	31.6	33.0	41.2	56.8
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	2.63	3.03	3.29	3.77	4.33	5.08
Fluid flow rate	a20/15 - w50/-	(b)		l/h	412.6	447.4	466.5	497.9	571.2	661.0
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	26.5	30.3	37.5	30.3	37.9	61.9
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	2.58	2.80	2.94	3.09	3.65	4.30
Fluid flow rate	a20/15 - w45/40	(c)		l/h	442.2	479.7	503.6	528.9	624.2	733.9
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	30.2	34.9	32.7	35.7	47.5	51.9
Absorbed power			(E)	W	9	11	12	15	21	33
Sound Power Lw (A)			(E)	dB(A)	39	42	44	47	51	57
Sound pressure Lp (A)		(d)		dB(A)	30	33	35	38	42	48
Air flow rate		(f)		m3/h	400	454	492	590	689	825
Battery water content				l	0.5			0.5		
Maximum operating pressure				bar	16			16		
Hydraulic fittings				inch	Eurocono 3/4 F			Eurocono 3/4 F		
Electrical power supply				V/ph/Hz	220-240/1/50			220-240/1/50		
Max static heating efficiency (50°C)				kW	-			-		
Max static heating efficiency (70°C)				kW	-			-		
Water content of the radiant panel				l	-			-		

The above services refer to the following operating conditions:
(a) Cooling mode at standard conditions: air temperature 27°C b.s. 19°C b.u., water inlet temperature 7°C, water outlet temperature 12°C
(b) Heating mode conditions of use 1: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 50°C, water flow equal to the cooling water standard condition
(c) Heating mode standard conditions: air temperature 20°C b.s., 15°C b.u. max, water inlet temperature 45°C, water outlet temperature 40°C
(d) Sound pressure level valid for closed rooms with a volume of 100 m3 with a reverberation time of 0.5 s and installation on the floor/ceiling, sound emission on 1/4 sphere at 3 m distance
(E) Eurovent certified data
(f) Air flow rate measured with clean filters

ACCESSORIES

			LGW
CONTROLS	BO856	Electronic wall-mounted control kit	O

O Optional accessory

Accessory description on page 92

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

FCU accessories

Download
Additional information on these accessories

Controls

INDRZ **Addressing of the Modbus control kit**

Factory mandatory addressing of the remote control kits (TR), in case of management via Modbus connection with SiOS Control, Bticino MyHome and any other home automation/BMS system communicating in Modbus.

B0872 **On-board autonomous flat touch control kit**

Backlit display with desired temperature display, real-touch buttons, selection of the operating mode and ventilation speed. Command with adjustable room thermostat, operating modes (ventilation, summer, winter, automatic) and ventilation programme (silent, auto, maximum, night), minimum water probe function. It has one input for the contact presence sensor connection and two 230VAC outputs for the control of 2 solenoid valves. Through the user interface it is possible to add a correction on the read room temperature. Remote control included. Can be remotely controlled by combination of keys for connection with Modbus RS485 ASCII or RTU protocol. **Combination with B0736 command, MyHome by Bticino and SiOS Control is always possible (mandatory pairing for use with Bi2 SLI and SLIR, in this case, remote control not working).** Colour RAL 9003.

Compatible with:	SL	SLR		SLI	SLIR
Bi2 SMART S1	O	O	Bi2 NAKED	O	O

B0873 **Electronic contacts/0-10V remote control kit**

Electronic interface card for management and control via 0-10V analog input or contacts (for radiant fan coil units use the contact mode and check that the management system interfaced to the B0756 card supports the control logic of Olimpia Splendid radiant technology). It has a 230VAC output for control of a solenoid valve and a water probe inlet with the function of a minimum probe (for both modes of remote control). **Can be combined with B0921 contact touch wall-mounted thermostat kit (not for radiant fan coil units) or with third party home automation/BMS systems that can be interfaced to contacts or via 0-10V signal.** Colour RAL 9003.

Compatible with:	SL	SLR		SLI	SLIR
Bi2 SMART S1	O	O	Bi2 NAKED	O	O

B0736 **Wall-mounted Modbus chrono-thermostat kit**

For MODBUS, RS485 connection. Up to 30 units can be controlled. Selection of the desired temperature selection, operating mode, ventilation speed, manual/chrono-thermostat mode. Ambient probe inserted in the control. Backlit LCD display. Presence sensor contact. The control is equipped with a dual insulated 230V/12 VAC power supply transformer and a backup battery. Wall mounting with hole interaxis compatible with standard 503 formwork box. **Can be combined with the controls TR, B0872 and SiOS Control.**

Compatible with:	SL	SLR		SLW
Bi2 AIR	TR	TR	Bi2 WALL	TR
Bi2 SMART S1	O	O		SLI / SLIR
			Bi2 NAKED	O / O

B0921 **Contact touch wall-mounted thermostat kit**

Digital thermostat with room probe, backlit display and touch buttons. Semi-recessed installation (15 mm out of the wall) in boxes with 60 mm round or square interaxis screws. Room temperature display, adjustment of the desired room temperature from 5°C to 35°C, setting of the "cooling" or "heating" mode, setting of the fan speed (Min/Med/Max). 230V AC power supply, it has a solenoid valve output and a water temperature probe input. **Can be paired with AR and B0873 remote control cards.**

Compatible with:	SL	SLR		SLW
Bi2 AIR	AR	–	Bi2 WALL	AR
Bi2 SMART S1	O	–		SLI / SLIR
			Bi2 NAKED	O / –

O Optional accessory | – Accessory not compatible

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

B0856 **Electronic wall-mounted control kit**
Equipped with LCD screen, mode control, control of the fan speed and room temperature.

Compatible with:

	LGW
Ci2 WALL	O

Electrical kits

B0633 **LH-RH connection rotation extension kit**
Electrical connection cable of the power supply and motor sensor for the installation of fan coil units in which the position of the hydraulic connection is rotated from left to right.

Compatible with:

	SL	SLR		SLI	SLIR
Bi2 SMART S1	O	O	Bi2 NAKED	O	–

B0839 **LH-RH connection rotation extension kit**
Electrical connection cable of the power supply and motor sensor for the installations in which the position of the hydraulic connection is rotated from left to right.

Compatible with:

	SL	SLR
Bi2 AIR	O	O

Hydraulics kit

B0832 **2-way valve group kit with 4-wire actuator**

It consists of a valve (with thermoelectric actuator and limit switch) and a lockshield. The former allows the control of the thermal emission of the fan coil unit by intercepting the passage of the water; the lockshield allows the balancing of the load losses of the system. This kit becomes mandatory in the SLR version except in the case where a 3-way valve kit is used or if there is a manifold with thermoelectric heads. Please note: for all terminal models, if wall-mounted thermostats are not used, the installation of 2- or 3-way valves is recommended for optimal cooling operation.

Compatible with:	SL	SLR		SLI	SLIR
Bi2 AIR	O	O	Bi2 NAKED	O	O
Bi2 SMART S1	O	O			

B0834 **3-way valve group kit with 4-wire actuator**

It consists of a three-way valve switch (with thermoelectric actuator and limit switch) and a lockshield. The former allows the control of the thermal emission of the fan coil unit by intercepting the passage of the water; the lockshield allows the balancing of the load losses of the system; the by-pass maintains the circulation of the water in the system. This kit is an alternative to the 2-way solenoid valve kit (mandatory in the SLR version).
Please note: for all terminal models, if wall-mounted thermostats are not used, the installation of 2- or 3-way valves is recommended for optimum cooling operation.

Compatible with:	SL	SLR		SLI	SLIR
Bi2 AIR	O	O	Bi2 NAKED	O	O
Bi2 SMART S1	O	O			

B0205 **Manual 2-way valve group kit**

It consists of a valve and a lockshield, the former allows the fan coil to be excluded from the system manually, while the lockshield allows the balancing of the system load losses. Permitted if solenoid valves on the manifold are managed by the Bi2 control kit.

Compatible with:	SL	SLR		SLI	SLIR
Bi2 AIR	O	O	Bi2 NAKED	O	O
Bi2 SMART S1	O	O			

B0204 **Manual 2-way valve insulation kit**

Prevents condensation during the cooling operation (already included in the thermoelectric hydraulic kits).

Compatible with:	SL	SLR		SLI	SLIR
Bi2 AIR	O	O	Bi2 NAKED	O	O
Bi2 SMART S1	O	O			

B0200 **Adapter connection kit for 1/2" gas thread**

It allows the conversion of the 3/4" Eurokonus connection of the Bi2 into a standard 1/2" gas thread connection.

Compatible with:	SL	SLR		SLI	SLIR
Bi2 AIR	O	O	Bi2 NAKED	O	O
Bi2 SMART S1	O	O			

B0201 **Adapter connection kit for 3/4" gas thread**

It allows the conversion of the 3/4" Eurokonus connection of the Bi2 into a standard 3/4" gas thread connection.

Compatible with:	SL	SLR		SLI	SLIR
Bi2 AIR	O	O	Bi2 NAKED	O	O
Bi2 SMART S1	O	O			

B0203 **Eurokonus 90° bending connection kit**

Facilitates connection in case of hydraulic connections with wall-mounted pipes.

Compatible with:	SL	SLR		SLI	SLIR
Bi2 AIR	O	O	Bi2 NAKED	O	O
Bi2 SMART S1	O	O			

O Optional accessory | — Accessory not compatible

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

Aesthetic kits

OLIMPIA SPLENDID

Floor mounting bracket kit
Kit for support brackets and floor mounting of the fan coil unit (glass front applications or on non-load-bearing walls). It also has the function of aesthetic kit for covering (white colour RAL 9003) and is therefore not compatible with the aesthetic kit of feet for covering.

Compatible with:

		SL	SLR
B0852	Bi2 AIR	≤1000	≤1000
B0938	Bi2 SMART S1	o	o

Floor mounting bracket kit
Kit for support brackets and floor mounting of the fan coil unit (glass front applications or on non-load-bearing walls). To be used in conjunction with the B0874 kit. Increases the fan coil unit depth by 17 mm (18 mm if with back panel)

Compatible with:

		SL	SLR
B0875	Bi2 AIR	≥1100	≥1100

Aesthetic kit feet for covering
Aesthetic kit containing two feet for covering any pipes coming from the floor. Available in the colour white RAL 9003.

Compatible with:

		SL	SLR
B0853	Bi2 AIR	≤1000	≤1000
B0874	Bi2 AIR	≥1100	≥1100

		SL	SLR
B0937	Bi2 SMART S1	o	o

Back panel
In white painted sheet metal (RAL 9003), for glass front applications.

Compatible with:

		SL	SLR
B0847	Bi2 AIR	200	200
B0848	Bi2 AIR	400	400
B0849	Bi2 AIR	600	600
B0850	Bi2 AIR	800	800
B0851	Bi2 AIR	1000	1000
B0876	Bi2 AIR	1100	1100
B0876	Bi2 AIR	1400	1400
B0877	Bi2 AIR	1600	1600

Ceiling-mount kit (condensate trap)
Condensate trap kit for collection of the condensate in case of horizontal installation.

Compatible with:

		SL	SLR
B0520	Bi2 AIR - Bi2 SMART S1	200	–
B0521	Bi2 AIR - Bi2 SMART S1	400	–
B0522	Bi2 AIR - Bi2 SMART S1	600	–
B0523	Bi2 AIR - Bi2 SMART S1	800	–
B0524	Bi2 AIR - Bi2 SMART S1	1000	–
B0878	Bi2 AIR	1100	–
B0878	Bi2 AIR	1400	–
B0879	Bi2 AIR	1600	–

Kit for recess

Formwork for recessed installation
Frame for vertical recessed installation (to be combined with the closing panel).

Compatible with:

		SLI	SLIR
B0568	Bi2 NAKED	200	200
B0569	Bi2 NAKED	400	400
B0570	Bi2 NAKED	600	600

		SLI	SLIR
B0571	Bi2 NAKED	800	800
B0572	Bi2 NAKED	1000	1000
B0894	Bi2 NAKED	≥ 1100	≥ 1100

Radiant closing panel RAL 9003
Aesthetic panel for recessed radiant closing for vertical installation (mandatory kit, to be combined with the recessed formwork). Colour white RAL 9003.

Compatible with:

		SLI	SLIR
B0950	Bi2 NAKED	–	200
B0951	Bi2 NAKED	–	400
B0952	Bi2 NAKED	–	600

		SLI	SLIR
B0953	Bi2 NAKED	–	800
B0954	Bi2 NAKED	–	≥ 1000

Closing panel RAL 9003
Aesthetic panel for recessed closing for vertical installation (to be combined with the recessed formwork). Colour white RAL 9003.

Compatible with:

		SLI	SLIR
B0955	Bi2 NAKED	200	–
B0956	Bi2 NAKED	400	–
B0957	Bi2 NAKED	600	–

		SLI	SLIR
B0958	Bi2 NAKED	800	–
B0959	Bi2 NAKED	≥ 1000	–

Air delivery grille with airfoil profile
Kit for recessed false ceiling mounting.

Compatible with:

		SLI	SLIR
B0550	Bi2 NAKED	200	–
B0551	Bi2 NAKED	400	–
B0552	Bi2 NAKED	600	–
B0553	Bi2 NAKED	800	–
B0554	Bi2 NAKED	1000	–

		SLI	SLIR
B0880	Bi2 NAKED	1100	–
B0880	Bi2 NAKED	1400	–
B0881	Bi2 NAKED	1600	–

Air intake grille with airfoil profile
Kit for recessed false ceiling mounting.

Compatible with:

		SLI	SLIR
B0559	Bi2 NAKED	200	–
B0560	Bi2 NAKED	400	–
B0561	Bi2 NAKED	600	–
B0562	Bi2 NAKED	800	–
B0563	Bi2 NAKED	1000	–

		SLI	SLIR
B0882	Bi2 NAKED	1100	–
B0882	Bi2 NAKED	1400	–
B0883	Bi2 NAKED	1600	–

O Optional accessory | – Accessory not compatible

Please note that optional accessories are available for purchase in conjunction with all models of the terminal. When compatibility is only possible with certain sizes or models, the information is shown in the table.

Intake kit

Kit for false ceiling or roof hatch mounting. Not compatible with recessed frame. Channels the intake air from the intake grille to the fan coil.

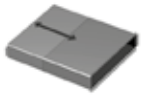
Compatible with:

		SLI	SLIR
B0194	Bi2 NAKED	200	–
B0195	Bi2 NAKED	400	–
B0196	Bi2 NAKED	600	–
B0197	Bi2 NAKED	800	–
B0198	Bi2 NAKED	1000	–

		SLI	SLIR
B0888	Bi2 NAKED	1100	–
B0888	Bi2 NAKED	1400	–
B0889	Bi2 NAKED	1600	–

Telescopic top delivery plenum

Not compatible with recessed frame. Channels the air from the fan coil to the delivery grille.



Compatible with:

		SLI	SLIR
B0160	Bi2 NAKED	200	–
B0161	Bi2 NAKED	400	–
B0162	Bi2 NAKED	600	–
B0163	Bi2 NAKED	800	–
B0164	Bi2 NAKED	1000	–

		SLI	SLIR
B0890	Bi2 NAKED	1100	–
B0890	Bi2 NAKED	1400	–
B0891	Bi2 NAKED	1600	–

Insulated 90° delivery plenum

Not compatible with recessed frame. Channels the air from the fan coil to the delivery grille.

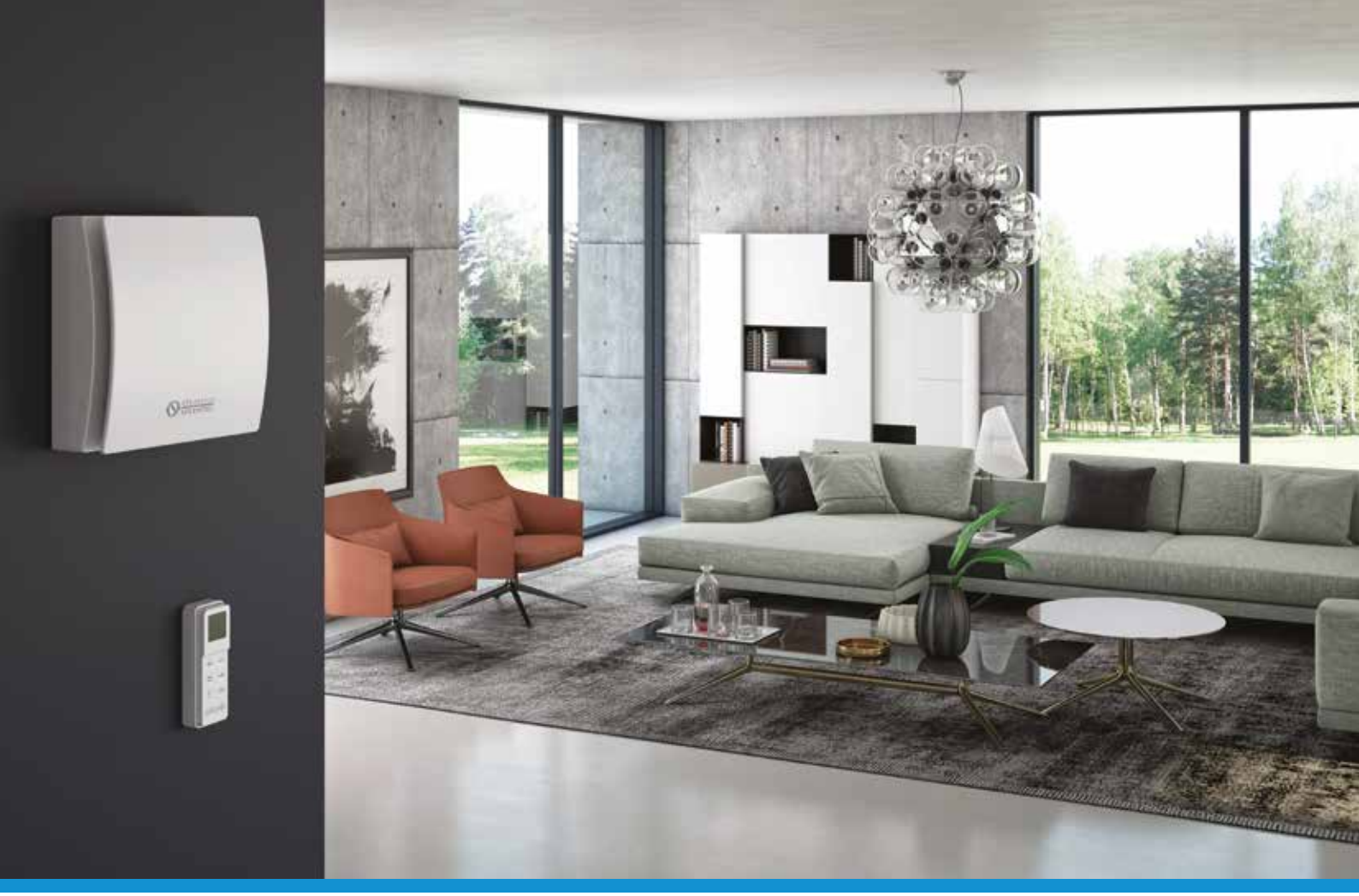
Compatible with:

		SLI	SLIR
B0165	Bi2 NAKED	200	–
B0166	Bi2 NAKED	400	–
B0167	Bi2 NAKED	600	–
B0168	Bi2 NAKED	800	–
B0169	Bi2 NAKED	1000	–

		SLI	SLIR
B0892	Bi2 NAKED	1100	–
B0892	Bi2 NAKED	1400	–
B0893	Bi2 NAKED	1600	–

HEAT RECOVERY VENTILATION

Decentralised and centralised systems for treating air in the home



Indoor air quality. The importance of the introduction of outdoor air

Heat Recovery Ventilation: many advantages for indoor comfort

The most authoritative exponents of the scientific community agree on the importance of the introduction of outdoor air indoors, to increase the quality of indoor air. The greater the quantity of external air introduced into closed environments, the lower the concentration of pollutants and pathogens.

A change of air carried out through the opening of the windows may not always be possible (for example in summer and winter) or sufficient: the quantity of air introduced is in fact not controllable or its uniform distribution. If there are HRV systems, the experts therefore recommend activating their continuous operation (7/7 days and H24) and increasing the exchange flow rate as much as possible.

High-efficiency and comfort decentralised and centralised systems

Diversified solutions for each project

To meet the needs of every room, Olimpia Splendid's Sitali range includes both decentralised and centralised units. Recommended for existing buildings, ad hoc solutions do not require any air distribution system or invasive installation work. For buildings where it is possible to design and implement a distribution system complete with ducts and terminals, however, the installation of centralised units is recommended.

All the solutions for centralised systems include a PPE structure with sheet metal finish and plastic fittings. They are fitted with high-performance, energy-saving EC brushless motors. The centralised machines are fitted with G4 filters (ISO Coarse 60%) to protect the exchanger and for some sizes, it is possible to use F7 filters (ISO ePM1 60%) for improved air filtering on input.

Thanks to the heat recovery unit, it is possible to transfer the heat of the air extracted from inside the rooms to the fresh air supplied from the outside, limiting the activation of the heating system and improving the building's energy performance.

HRV range

Decentralised systems		100	150
SITALI SFE 100 Continual single flow HRV		Sitali SFE 100 (99422)	
SITALI SF 150 Alternating single-flow HRV 			Sitali SF 150 S1 (99299)

Centralised systems		120	180	280	400	550
SITALI CX 120 Double flow HRV with vertical ore reversible installation 	**AUTOMATIC CONTROLS**	Sitali CXRA 120 (99250) NEW				
		Sitali CXVA 120 (99249) NEW				
SITALI CX 180 Double flow HRV with horizontal installation 	**AUTOMATIC CONTROLS**		Sitali CXOA 180 (99248) NEW			
	MANUAL CONTROLS		Sitali CXOM 180 (99247) NEW			
SITALI CX 280 Double flow HRV with vertical installation 	**AUTOMATIC CONTROLS**			Sitali CXVA 280 (99246) NEW		
	MANUAL CONTROLS			Sitali CXVM 280 (99245) NEW		
SITALI CX 400 Double flow HRV with vertical installation 	**AUTOMATIC CONTROLS**				Sitali CXVA 400 (99244) NEW	
SITALI CX 550 Double flow HRV with vertical installation 	**AUTOMATIC CONTROLS**					Sitali CXVA 550 (99243) NEW

SITALI SFE 100
1 2 3 4

Decentralised nomenclature

Valid for decentralised systems

Position 1: Line name Sitali
Position 2: Flow (SF=Single flow)
Position 3: Type (E=Extractor)
Position 4: Hole diameter (mm)

SITALI CXRA 120
1 2 3 4 5 6

Centralised nomenclature

Valid for new centralised systems

Position 1: Line name Sitali
Position 2: Type (C=Centralised)
Position 3: Flow (X=Crossed)
Position 4: Installation (R=Reversible, V=Vertical, O=Horizontal)
Position 5: Controls (A=Automatic, M=Manual)
Position 6: Air flow rate

SITALI SF 150 S1

Compatible with: SiOS CONTROL

Decentralized Heat Recovery Ventilation with alternate single flow

SILENT FUNCTION

The most silent: only 10 -dB (A) Optimized for continuous 24/24h operation.

INTELLIGENT FUNCTION

Thanks to the presence of the temperature detection probe, the air flow inversion time is self-adjusted to allow the best comfort indoors.

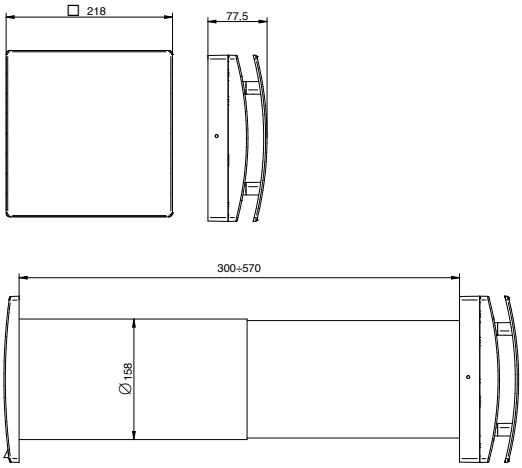
MAGNETIC FUNCTION

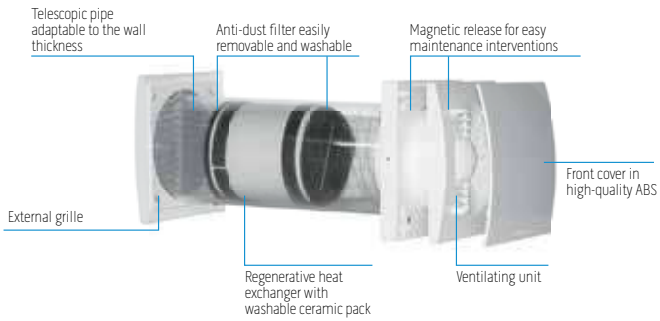
Quick release via magnets for easy maintenance without the need for specialized staff.

FEATURES

- Temperature probe that adjusts the air flow inversion times to maintain the indoor comfort level
- Energy class: A
- EC brushless motor
- Integrated humidity sensor
- Easy maintenance, indoor magnetic release
- Infra-red remote control with LCD
- Double filter on the inner/outer side of the exchanger
- Multicolor LED indicator
- 5 ventilation speeds available
- Magnetic wall support for remote control
- ON/OFF contact

DIMENSIONS AND TECHNICAL SPECIFICATIONS





TECHNICAL DATA	SF 150 S1
Product code	99299
Hole diameter mm	160
Energy class	A
Air flow rate m³/h	60/50/40/30/20
Sound level* dB(A)	29/24/20/14/10
Absorption W	6/4,5/3,5/2,5/2
Max thermal efficiency	82%
Max room temperature °C	-20°C +50°C
Weight kg	5,5
Degree of protection IP	IPX4
M² treated** m²	20 m²

220-240 V ~ 50-60Hz aeraulic performance measured according to ISO 5801 at 230V 50Hz, air density 1.2 Kg/m3 - data measured in TÜV Rheinland accredited laboratory
* sound pressure level at 3m in free field
**Maximum treated area for civil dwellings (regulatory reference UNI 10339:1995) considering 30 m3/h as the maximum flow rate, being of alternate flow.

SITALI SFE 100

Compatible with: SiOS CONTROL

Decentralized Heat Recovery Ventilation with continuous single flow.

SILENT FUNCTION

The most silent: only 11 dB (A) Optimized for continuous 24/24h operation.

AIR EXCHANGE

Decentralized HRV unit with continuous single flow, Ø100 mm, with very low energy consumption, for replacing stale air in the humid environments with maximum acoustic comfort. Ideal for preventing problems of condensate and mould, which inevitably damage the structure and compromise the health of the occupants.

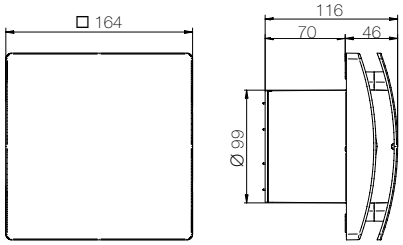
HUMIDITY DETECTION

The unit is fitted with a humidity detection sensor, adjustable from 50% to 95% R.H. and a timer; this can be adjusted from 0 to approx. 30 minutes. The unit operates continuously at the minimum speed selected, which increases automatically to the average speed when the R.H. percentage exceeds the threshold set.

FEATURES

- Top quality ABS structure
- High-efficiency aerodynamic fan
- EC brushless motor with thermal protection
- Integrated humidity sensor
- Elegant design with minimalist lines
- Front cover; easy to remove for cleaning, without the use of tools
- Aerodynamic deflectors
- Very low energy consumption
- 4 ventilation speeds available

DIMENSIONS AND TECHNICAL SPECIFICATIONS



TECHNICAL DATA	
Product code	99422
Hole diameter mm	100 (110 with telescopic tube)
Air flow rate m³/h	83 / 47 / 29 / 21
Absorption W	2,5 / 1,7 / 1,2 / 1
Sound level* dB(A)	26 / 23 / 13 / 11
Max room temperature °C	50
Degree of protection IP	IPX4
Weight kg	0,6
M² treated**	7 m²

220-240 V ~ 50-60Hz aeraulic performance measured according to ISO 5801 at 230V 50Hz, air density 1.2 Kg/m3 - data measured in TÜV Rheinland accredited laboratory
* sound pressure level at 3m in free field
**Maximum treated area for civil dwellings (regulatory reference UNI 10339:1995) considering 70 m3/h as max flow rate, 10 Pa prevalence and a room height of 2.7 m.

NEW

SITALI CX 120

Compatible with: SiOS CONTROL

Double flow centralised compact HRV

COMPACT DIMENSIONS

The compact size makes the units each to install in any room.

FLEXIBLE INSTALLATION

The reversible CXRA version can be installed on the wall in a vertical position, and horizontal position on the ceiling or false ceiling (the CXVA version can only be installed in the vertical position).

AUTOMATIC CONTROLS

Multi-function control panel.

FEATURES

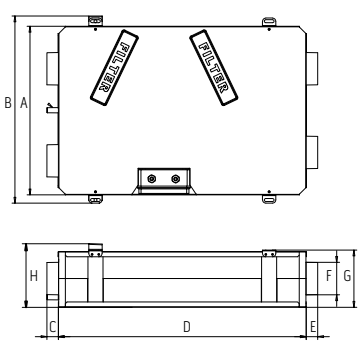
- External panels made of pre-coated RAL 9010 and made of galvanized steel.
- Main structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on ball bearings for long service life.
- Ultra-quiet and high-performance centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- The pre-wired unit makes electrical connection easy.
- ISO Coarse 60% (G4) filters easily removable from the outside: no need to remove the access panel to perform maintenance operations. ISO ePM1 60% (F7) filter on request.
- Integrated condensate drain.
- Automatic frost protection prevents the formation of ice on the inlet side of the heat exchanger.

OPERATION

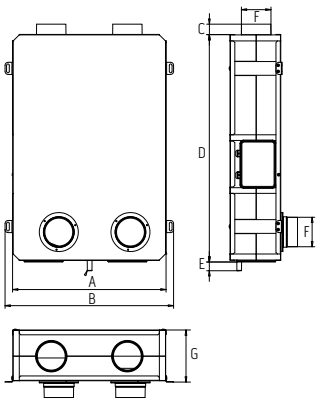
- The unit is supplied with a multi-function control panel, with the following control and connection options:
- 3-speed setting option (to be set during installation)
- BOOST activation
- Reset filter
- On/off
- Keypad lock
- Anti-frost activation indicator
- Fault indicator
- Filter replacement indicator
- Connection to remote room sensors (humidity, CO2, etc.)
- Modbus interface.

LAYOUT, DIMENSIONS, WEIGHT

Sitali CXRA 120



Sitali CXVA 120

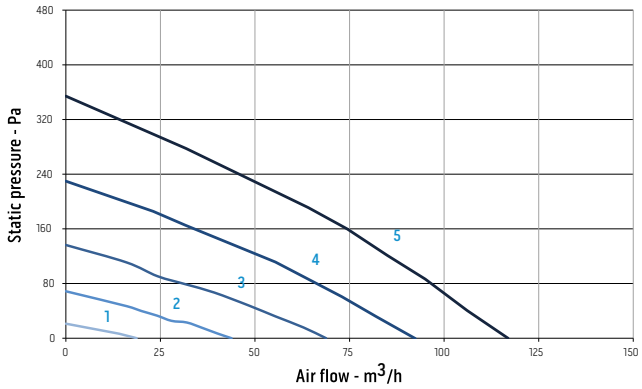


		SITALI CXRA 120	SITALI CXVA 120
A	mm	504	504
B	mm	559	553
C	mm	34	34
D	mm	741	746
E	mm	34	29
F	mm	97	97
G	mm	171	171
H	mm	190	-
Weight	kg	11,5 kg	11,5 kg

TECHNICAL DATA		SITALI CXRA 120	SITALI CXVA 120
PRODUCT CODE		99250	99249
EAN CODE		8021183992502	8021183992496
Maximum flow rate @100 Pa	m3/h	91	102
Electrical power consumption (at the maximum flow rate)	W	58	58
SEC class (local demand control)		A	A
SEC class (central demand control)		A	A
SEC class (manual control - No demand control ventilation)		B	B
Thermal efficiency	%	82	82
Reference flow rate	m3/h	64	71
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m3/h	0.391	0.352
Sound power level (LWA)	dB(A)	50	50
Electrical power supply		220-240V~/50-60Hz	220-240V~/50-60Hz
IP protection rating		IPX4	IPX4
Sound pressure @3m(1)	dB(A)	18	18
Max room temperature	°C	+40	+40

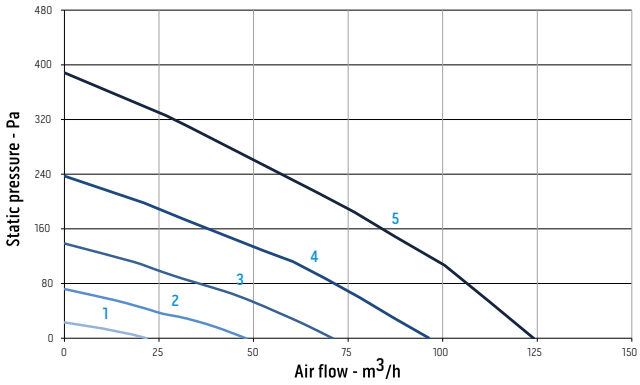
(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes.

SITALI CXRA 120



	Speed %	W max	m³/h max
1	20	9	22
2	40	13	48
3	60	20	71
4	80	32	96
5	100	56	114

SITALI CXVA 120



	Speed %	W max	m³/h max
1	20	9	22
2	40	13	48
3	60	20	71
4	80	32	96
5	100	58	124

Inlet curves in accordance with European regulation 1253/2014 (Er P)

Sitali CXRA 120

Sitali CXVA 120

1. Air inlet from exterior
2. Air expulsion to exterior
3. Air supplied to interior
4. Air extracted from interior
5. Condensation drain

NEW

SITALI CX 180

Double flow centralised HRV

Compatible with: SiOS CONTROL

INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer

HORIZONTAL INSTALLATION

Ideal for installation the ceiling or false ceilings, in a horizontal position.

MANUAL OR AUTOMATIC CONTROLS

Sitali COAX 180 features a multi-function control panel with LCD display (see image on the side).
Sitali COVID 180 does not have controls and must be combined with an S-type control (simplified, one of codes B1061, B1062, B1063).

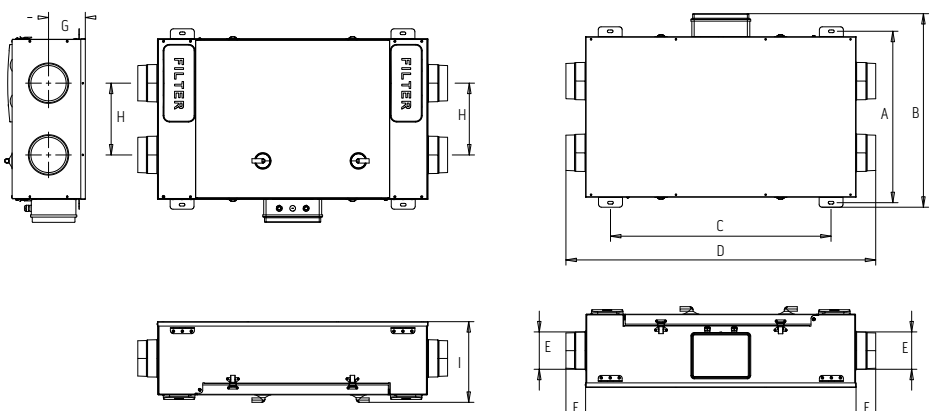
FEATURES

- External frame made of pre-coated RAL 9010 galvanized steel.
- Internal structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on ball bearings for long service life.
- Ultra-quiet and high-performance, balanced centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- Simplified electrical connection: the unit is supplied pre-wired.
- ISO Coarse 60% (G4) filters easily removable from the outside: no need to remove the access panel to perform maintenance operations. ISO ePM1 60% filter (F7) on request.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensate drain that can be used based on climatic requirements.

OPERATION

Version with CX0A 180 automatic control
3-speed setting and selection.
Boost function.
Holiday and Night Mode function.
Weekly programming.
By-pass control
Air flow balancing.
Filter maintenance and fault indicator.
Hour count indicator
Settings savings and uploading.
Connection to remote room sensors (humidity, CO2, etc.)
ModBus interface.
Connection to electric heating element before and after the ventilation unit.
Connection to water heating coil
Version with COVID 180 manual control
Three-speed operation with simplified external S-type control, which also allows manual activation of the bypass.

LAYOUT, DIMENSIONS, WEIGHT

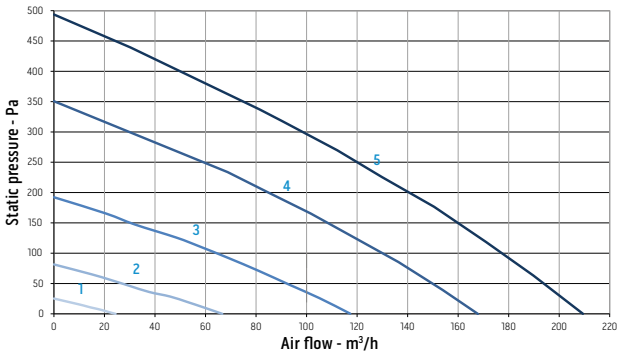


		SITALI CX0A 180	SITALI CX0M 180
A	mm	574	574
B	mm	648	648
C	mm	738	738
D	mm	1037	1037
E	mm	125	125
F	mm	66	66
G	mm	123	123
H	mm	240	240
I	mm	270	270
Weight	kg	20 kg	20 kg

TECHNICAL DATA		SITALI CXOA 180	SITALI CXOM 180
PRODUCT CODE		99248	99247
EAN CODE		8021183992489	8021183992472
Maximum flow rate @100 Pa	m3/h	177	177
Electrical power consumption (at the maximum flow rate)	W	105	105
SEC class (local demand control)		A	A
SEC class (central demand control)		A	A
SEC class (manual control - No demand control ventilation)		B	B
Thermal efficiency	%	82	82
Reference flow rate	m3/h	124	124
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m3/h	0.412	0.412
Sound power level (LWA)	dB(A)	50	50
Electrical power supply		220-240V~/50-60Hz	220-240V~/50-60Hz
IP protection rating		IPX4	IPX4
Sound pressure @3m(1)	dB(A)	21	21
Max room temperature	°C	+40	+40

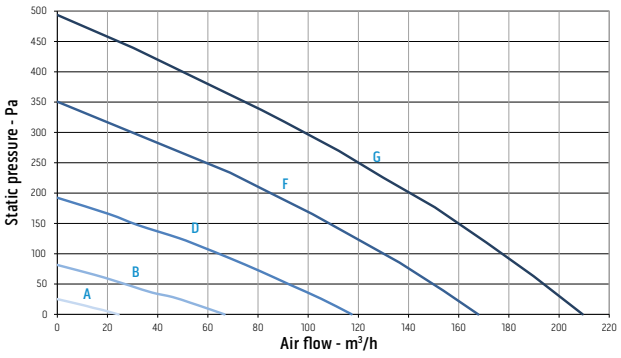
(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes.

SITALI CXOA 180

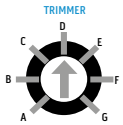


	Speed %	W max	m³/h max
1	20	10	24
2	40	18	67
3	60	36	117
4	80	77	178
5	100	105	209

SITALI CXOM 180



Trimmer Position	Speed %	W max	m³/h max
A	20	10	24
B	40	18	67
C	53	28	100
D	60	36	117
E	70	47	139
F	80	68	168
G	100	105	209



Inlet curves in accordance with European regulation 1253/2014 (Er P)

1. Air inlet from exterior
2. Air expulsion to exterior
3. Air supplied to interior
4. Air extracted from interior

(Winter condensation drain)
(Summer condensation drain)

NEW

SITALI CX 280

Double flow centralised HRV

Compatible with: SiOS CONTROL

INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer

VERTICAL INSTALLATION

Suitable for wall installation in a vertical position.

MANUAL OR AUTOMATIC CONTROLS

Sitali CXVA 280 features a multi-function control panel with LCD display (see image on the side).
Sitali CXVM 280 does not have controls and must be combined with an S-type control (simplified, one of codes B1061, B1062, B1063).

FEATURES

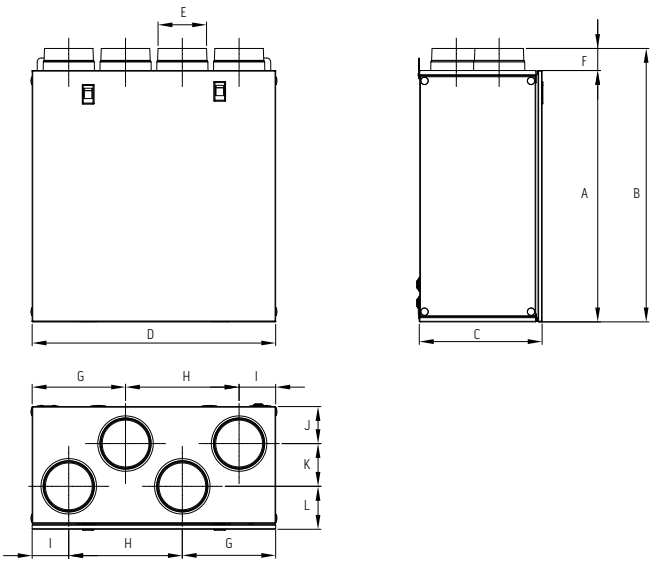
- External frame made of pre-coated RAL 9010 galvanized steel.
- Internal structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on long-lasting ball bearings.
- Ultra-quiet and high-performance, balanced centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- Simplified electrical connection: the unit is supplied pre-wired.
- Removable front panel for access to the filters and exchanger.
- Supplied with easily removable ISO Coarse 60% (G4) filters. ISO ePM1 55% filter (F7) on request.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensate drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

OPERATION

Version with CXVA 280 automatic control
3-speed setting and selection.
Boost function.
Holiday and Night Mode function.
Weekly programming.
By-pass control
Air flow balancing.
Filter maintenance and fault indicator.
Hour count indicator
Settings savings and uploading.
Connection to remote room sensors (humidity, CO2, etc.)
ModBus interface.
Connection to electric heating element before and after the ventilation unit.
Connection to water heating coil

Version with CXVM 280 manual control
Three-speed operation with simplified external S-type control, which also allows manual activation of the bypass.

LAYOUT, DIMENSIONS, WEIGHT

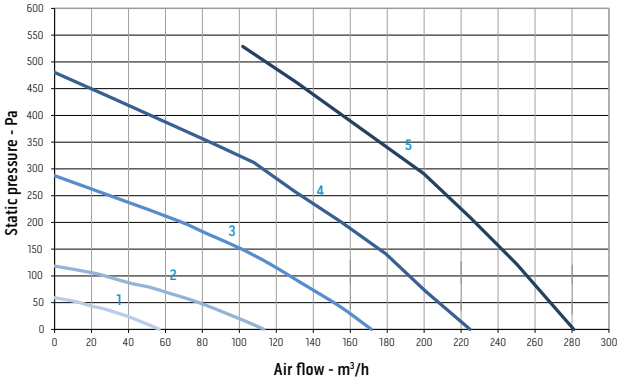


		SITALI CXVA 280	SITALI CXVM 280
A	mm	610	610
B	mm	665	665
C	mm	298	298
D	mm	592	592
E	mm	125	125
F	mm	55	55
G	mm	227	227
H	mm	276	276
I	mm	89	89
J	mm	90	90
K	mm	104	104
L	mm	104	104
Weight	kg	21,4 kg	23 kg

TECHNICAL DATA		SITALI CXVA 280	SITALI CXVM 280
PRODUCT CODE		99246	99245
EAN CODE		8021183992465	8021183992458
Maximum flow rate @100 Pa	m3/h	256	256
Electrical power consumption (at the maximum flow rate)	W	160	160
SEC class (local demand control)		A	A
SEC class (central demand control)		A	A
SEC class (manual control - No demand control ventilation)		B	B
Thermal efficiency	%	83	83
Reference flow rate	m3/h	179	179
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m3/h	0.385	0.385
Sound power level (LWA)	dB(A)	56	56
Electrical power supply		220-240V~/50-60Hz	220-240V~/50-60Hz
IP protection rating		IPX2	IPX2
Sound pressure @3m(1)	dB(A)	27	27
Max room temperature	°C	+40	+40

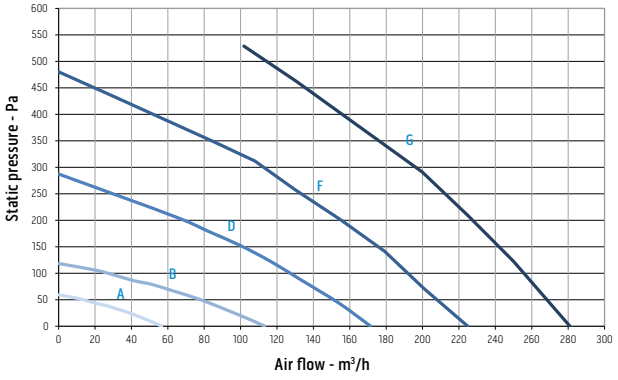
(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes.

SITALI CXVA 280

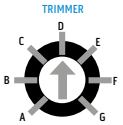


	Speed %	W max	m³/h max
1	20	13	57
2	40	25	113
3	60	51	172
4	80	98	225
5	100	167	281

SITALI CXVM 280



Trimmer Position	Speed %	W max	m³/h max
A	20	13	57
B	40	17	88
C	53	25	113
D	60	41	153
E	70	51	172
F	80	100	225
G	100	167	281



Inlet curves in accordance with European regulation 1253/2014 (Er P)

1. Air expulsion to exterior
2. Air inlet from exterior
3. Air extracted from interior
4. Air supplied to interior

(Winter condensation drain)
(Summer condensation drain)
LH flow direction

NEW

SITALI CX 400

Double flow centralised HRV

Compatible with: SiOS CONTROL

INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer

VERTICAL INSTALLATION

Suitable for wall installation in a vertical position.

AUTOMATIC CONTROL

The unit is supplied with a multi-function control panel and LCD display.

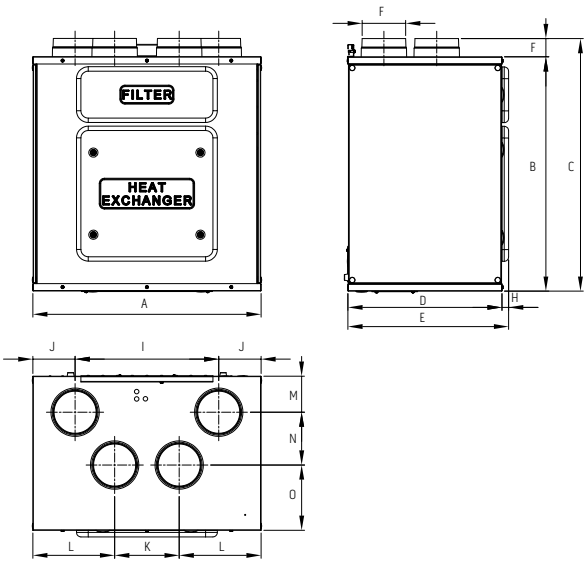
FEATURES

- External frame made of pre-coated RAL 9010 galvanized steel.
- Internal structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on ball bearings for long service life.
- Ultra-quiet and high-performance, balanced centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- Simplified electrical connection: the unit is supplied pre-wired.
- ISO Coarse 60% (G4) filters easily removable from the outside. The unit is also fitted with an ISO ePM1 60% filter (F7) on the air inlet.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensate drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

OPERATION

- 3-speed setting.
- Boost function.
- Holiday and Night Mode function.
- Weekly programming.
- Bypass control.
- Air flow balancing.
- Filter maintenance and fault indicator.
- Operating hours counter.
- Settings saving and upload.
- Connection of remote room sensors (humidity, CO2, etc.)
- ModBus interface.
- Connection to electric heating element before and after the ventilation unit.
- Water coil connection for heating.

LAYOUT, DIMENSIONS, WEIGHT

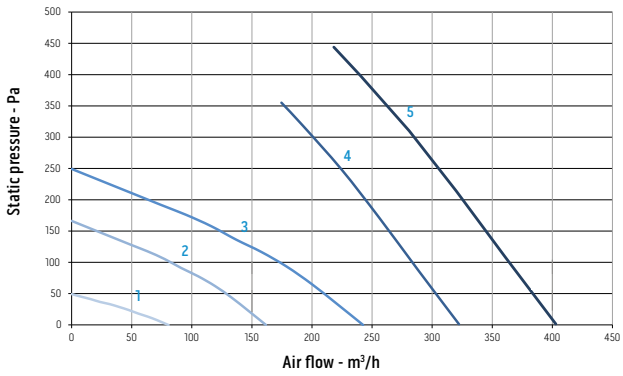


		SITALI CXVA 400
A	mm	778
B	mm	799
C	mm	860
D	mm	525
E	mm	549
F	mm	148
G	mm	62
H	mm	23
I	mm	490
J	mm	144
K	mm	220
L	mm	279
M	mm	1225
N	mm	180
O	mm	222.5
Weight	kg	34,5 kg

TECHNICAL DATA		SITALI CXVA 400
PRODUCT CODE		99244
EAN CODE		8021183992441
Maximum flow rate @100 Pa	m3/h	363
Electrical power consumption (at the maximum flow rate)	W	160
SEC class (local demand control)		A+
SEC class (central demand control)		A
SEC class (manual control - No demand control ventilation)		A
Thermal efficiency	%	86
Reference flow rate	m3/h	254
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m3/h	0.268
Sound power level (LWA)	dB(A)	52
Electrical power supply		220-240V~/50-60Hz
IP protection rating		IPX4
Sound pressure @3m(1)	dB(A)	26
Max room temperature	°C	+40

(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes.

SITALI CXVA 400



	Speed %	W max	m³/h max
1	20	10	84
2	40	22	162
3	60	48	243
4	80	90	322
5	100	160	403

Inlet curves in accordance with European regulation 1253/2014 (Er P)

1. Air expulsion to exterior
2. Air inlet from exterior
3. Air supplied to interior
4. Air extracted from interior
(Winter condensation drain)
(Summer condensation drain)
LH flow direction

NEW

SITALI CX 550

Double flow centralised HRV

Compatible with: SiOS CONTROL

INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer

VERTICAL INSTALLATION

Suitable for wall installation in a vertical position.

AUTOMATIC CONTROL

The unit is supplied with a multi-function control panel and LCD display.

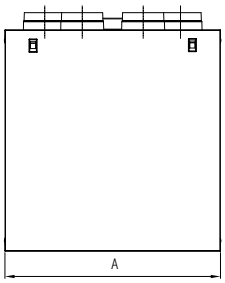
FEATURES

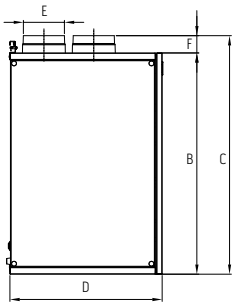
- External frame made of pre-coated RAL 9010 galvanized steel.
- Internal structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on long-lasting ball bearings.
- Ultra-quiet and high-performance, balanced centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- Simplified electrical connection: the unit is supplied pre-wired.
- Removable front panel for access to the filters and exchanger.
- Supplied with ISO Coarse 60% (G4) filters that can be easily removed from the outside. The unit is also fitted with an ISO ePM1 60% filter (F7) on the air inlet.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensate drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

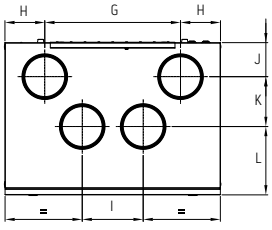
OPERATION

- 3-speed setting.
- Boost function.
- Holiday and Night Mode function.
- Weekly programming.
- Bypass control.
- Air flow balancing.
- Filter maintenance and fault indicator.
- Operating hours counter.
- Settings saving and upload.
- Connection of remote room sensors (humidity, CO2, etc.)
- ModBus interface.
- Connection to electric heating element before and after the ventilation unit.
- Water coil connection for heating.

LAYOUT, DIMENSIONS, WEIGHT





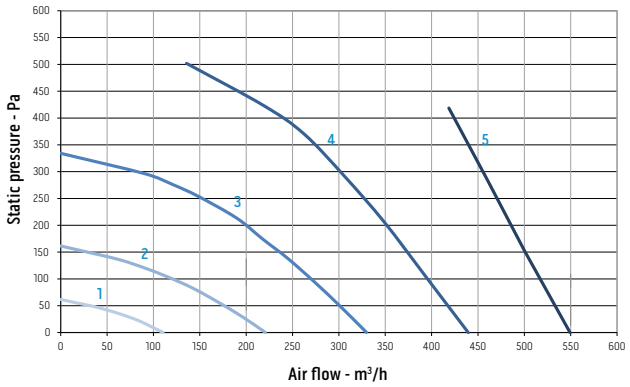


		SITALI CXVA 550
A	mm	778
B	mm	799
C	mm	860
D	mm	549
E	mm	148
F	mm	62
G	mm	490
H	mm	144
I	mm	220
J	mm	122.5
K	mm	180
L	mm	2465
Weight	kg	44 kg

TECHNICAL DATA		SITALI CXVA 550
PRODUCT CODE		99243
EAN CODE		8021183992434
Maximum flow rate @100 Pa	m3/h	520
Electrical power consumption (at the maximum flow rate)	W	333
SEC class (local demand control)		A
SEC class (central demand control)		A
SEC class (manual control - No demand control ventilation)		B
Thermal efficiency	%	82
Reference flow rate	m3/h	364
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m3/h	0.412
Sound power level (LWA)	dB(A)	58
Electrical power supply		220-240V~/50-60Hz
IP protection rating		IPX4
Sound pressure @3m(1)	dB(A)	34
Max room temperature	°C	+40

(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes.

SITALI CXVA 550



	Speed %	W max	m³/h max
1	20	17	110
2	40	44	221
3	60	110	330
4	80	264	440
5	100	333	550

Inlet curves in accordance with European regulation 1253/2014 (Er P)

1. Air expulsion to exterior
2. Air inlet from exterior
3. Air supplied to interior
4. Air extracted from interior
(Winter condensation drain)
(Summer condensation drain)
LH flow direction

Decentralized HRV accessories

Download
Additional information on these accessories

B0838 **External grille**
High-quality ABS fixed external grille, resistant to impacts and UV rays. Colour RAL 9010. Diameter 100mm. Compatible with Sitali SFE 100.

B0837 **Telescopic pipe**
PVC telescopic pipe which adapts to the thickness of the wall. Diameter 100mm. Compatible with Sitali SFE 100.

Centralised HRV accessories

External air distribution

ABS ext grille
High-quality ABS fixed external grille, resistant to impacts and UV rays. Colour RAL 9010.

B1065	Diameter 100mm
B1066	Diameter 125mm
B1067	Diameter 150mm

Flex ALU ISO
Flexible pipe, 10m in length, made with aluminium/polyester/micro-perforated aluminium walls for air passage noise reduction and steel concertina wire. Polyester fibre thermal insulation coating (thickness 25mm/16kg/m3) and aluminium-coated polyolefin film outer protection.

B1068	Diameter 127mm
B1069	Diameter 160mm

Wall passage
Wall penetration kit with external terminal in galvanised sheet metal coated in RAL 9010 and fitted with sound-absorbing mat.

B1074	Diameter 125mm
B1075	Diameter 150mm

Telescopic pipe
PVC telescopic pipes which adapt to the thickness of the wall. (L=300-570 mm).

B1103	Diameter 100mm
B1104	Diameter 125mm
B1105	Diameter 150mm

EPE pipe
Insulated and soundproofed EPE pipe, with smooth interior and exterior; length 2m.

B1110	DN125 L=2m
B1114	DN150 L=2m

EPE 90 bend
Insulated and soundproofed EPE bend, with smooth interior and exterior.

B1111	DN125
B1115	DN150

EPE coupling
Coupling for connecting EPE pipe/EPE pipe, EPE pipe/EPE 90 bend.

B1112	DN125
B1116	DN150

EPE collar
Bracket collar and for connection of the EPE/ventilation unit pipe and EPE pipe/distribution plenum.

B1113	DN125
B1117	DN150

Internal air distribution

E-I designer vent
Extraction/inlet vent with flow rate adjustment module; front cover made of high-quality ABS; white RAL 9010. The adjustment module consists of removable concentric circles to define the desired volume of air.

B1058	Diameter 80mm
B1055	Diameter 100mm
B1056	Diameter 125mm
B1057	Diameter 150mm

FT-WHITE grille
Rectangular steel grille pre-coated in RAL 9010 white, with round perforated screen and magnetic attachment system.

B1070	Dimension 200x100mm
B1072	Dimension 300x100mm

FT-METAL grille
Rectangular steel grille with metallic finish, round perforated screen and magnetic attachment system.

B1071	Dimension 200x100mm
B1073	Dimension 300x100mm

B1059 **Flex HDPE 75/63**
Flexible 75/63 pipe with antimicrobial, antibacterial and antistatic treatment, made with high-density double polyethylene wall; corrugated on the outside and smooth on the inside; supplied with end caps; used to channel the air from the distribution plenum to the air inlet and extraction vents. Suitable for installation in concrete slab, false ceilings or on walls. Length 50 m.

B1054 **FLEX HDPE 75/63 90° adaptor**
90° angle adaptor, Ø125mm with 2 attachments Ø80mm (for Flex HDPE 75/63 duct), including 2 protection/end caps, length 250mm. Suitable for designer vents with 125mm diameter and extraction/inlet valves.

FLEX HDPE 75/63 hooks
Connection kit for Flex HDPE 75/63 pipe to make worksite installation easier. Available in packs of 12 in red or blue to identify the air flow direction.

B1076	Blue
B1077	Red

B1078 **FLEX HDPE 75/63 90° bend**
90° bend kit for Flex HDPE 75/63 pipe with sealing rings included.

B1087 **FLEX HDPE 75/63 coupling**
Coupling kit for Flex HDPE 75/63 pipe with sealing rings included.

B1088 **O-Ring FLEX HDPE 75/63**
O-ring kit for Flex HDPE 75/63 pipe (pack of 10).

B1095 **Plenum P Ø125mm - 4 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø125mm, 4 outlets Ø80mm (for Flex HDPE 75/63 duct) and 5 protection/end caps supplied.

B1096 **Plenum P Ø125mm - 6 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø125mm, 6 outlets Ø80mm (for Flex HDPE 75/63 duct) and 7 protection/end caps supplied.

B1094 **Plenum P Ø125mm - 10 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø125mm, 10 outlets Ø80mm (for Flex HDPE 75/63 duct) and 11 protection/end caps supplied.

B1098 **Plenum P Ø150mm - 10 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø150mm, 10 outlets Ø80mm (for Flex HDPE 75/63 duct) and 11 protection/end caps supplied.

B1099 **Plenum P Ø150mm - 15 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø150mm, 15 outlets Ø80mm (for Flex HDPE 75/63 duct) and 16 protection/end caps supplied.

B1092 **Plenum L 200x100mm - 1 coupling (for Flex HDPE)**
Inlet/extraction plenum, 1 fitting on the long side Ø80mm, complete with anti-mortar closure and 1 cap (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

B1093 **Plenum L 300x100mm - 2 couplings (for Flex HDPE)**
Inlet/extraction plenum, 2 fittings on the long side Ø80mm, complete with anti-mortar closure and 2 caps (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

B1101 **Plenum P 200x100mm - 1 coupling (for Flex HDPE)**
Inlet/extraction plenum, 1 rear fitting Ø80mm, complete with anti-mortar closure and 1 cap (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

B1102 **Plenum P 300x100mm - 2 couplings (for Flex HDPE)**
Inlet/extraction plenum, 2 fittings on the rear Ø80mm, complete with anti-mortar closure and 2 caps (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

B1091 **Plenum LCS 200x100mm - 1 coupling (for Flex HDPE)**
Inlet/extraction plenum, 1 fitting on the short side Ø80mm, complete with anti-mortar closure and 1 cap (for Flex HDPE 75/63 duct).

B1089 **Plenum L 140x140mm - 1 coupling (for Flex HDPE)**
Inlet/extraction plenum with 1 side coupling Ø80mm (for HDPE 75/63). Including anti-mortar closure and 1 protection/end cap. Dimension 140x140mm. Suitable for designer vents measuring 80 and 100mm in diameter.

B1090 **Plenum L 200x200mm - 2 couplings (for Flex HDPE)**
Inlet/extraction plenum with 2 side couplings Ø80mm (for HDPE 75/63). Including anti-mortar closure and 2 protection/end caps. Dimension 200x200mm. Suitable for designer vents measuring 125 and 150mm in diameter.

B1097 **Plenum P 140x140mm - 1 coupling (for Flex HDPE)**
Inlet/extraction plenum with 1 rear coupling Ø80mm (for HDPE 75/63). Including anti-mortar closure and 1 protection/end cap. Suitable for designer vents measuring 80 and 100mm in diameter.

B1100 **Plenum P 200x200mm - 2 couplings (for Flex HDPE)**
Inlet/extraction plenum with 2 rear couplings Ø80mm (for HDPE 75/63). Including anti-mortar closure and 2 protection/end caps. Suitable for designer vents measuring 125 and 150mm in diameter.

B1106 **CAL80 damper**
Flow rate regulator damper, designed to be attached to the vents Ø80mm of the inlet/extraction plenum or distribution plenum, made of polypropylene, with quick-fit system, including wing-shaped fins to ensure maximum acoustic comfort. Pack of three.

B1107 **METAL EST 125 valve**
Valid for extraction in RAL 9010 coated steel, Ø125mm, manually and progressively adjustable.

B1108 **PP EST-MM 125 valve**
Valid for extraction/inlet in white PP, Ø125mm, manually and progressively adjustable.

B1109 **METAL IMM 125 valve**
Valid for inlet in RAL 9010 coated steel, Ø125mm, manually and progressively adjustable.

Remote controls

B1061 **Control-S 2 recessed modules**
Remote control for HRV unit with heat recovery, including 3 switches. Option to select 3 speeds and enable free-cooling mode. 230V~ 50/60Hz.

B1062 **Control-S 3 recessed modules**
Remote control for HRV unit with heat recovery, including 3 switches. Option to select 3 speeds and enable free-cooling mode. 230V~ 50/60Hz. Version for recessed installation with 3 modules suitable for box 503.

B1063 **Control-S wall installation**
Remote control for HRV unit with heat recovery, including 3 switches. Option to select 3 speeds and enable free-cooling mode. 230V~ 50/60Hz.

Other accessories

B1060 **F7 filter box**
External cassette including F7 filter with galvanised metal sheet pre-coated with RAL 9010 and attachment with 125mm attachment. Suitable for CX 120, CX180 and CX28

F7 filters
Class F7 filtration elements (pack of 1 item).

B1079	For Sitali CX 120
B1081	For Sitali CX 180
B1083	For Sitali CX 280
B1085	For Sitali CX 400-550

G4 filters
Class G4 filtration elements (pack of 2 items).

B1080	For Sitali CX 120
B1082	For Sitali CX 180
B1084	For Sitali CX 280
B1086	For Sitali CX 400 - 550

AIR CONDITIONING


YACHT INTERIORS
JOHNNY DEPP
professional chef
THE LIGHT OF PARIS
CORNWELL
ÛNICO

UNICO

AIR CONDITIONERS WITHOUT OUTDOOR UNIT

To keep your home beautiful outside and cool inside

A unique product. Also for production technology

Patented in 1998 by Olimpia Splendid and produced, still today, in Italy, with the use of new low GWP and reclaimed refrigerants

A cutting-edge production pavilion

Since 1998 Unico has been produced in Italy, 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 that has now been further enhanced, giving life to a cutting-edge production pavilion in the world of residential air conditioning, in which automated multigas lines - designed for the safe management of low GWP refrigerants and powered by photovoltaic energy - integrate with the work of highly skilled workers.

Reclaimed and low GWP refrigerants

First residential air conditioner with 100% reclaimed gas, today Unico is also the first air conditioner without outdoor unit produced in Italy with R32 gas. The conversion to new refrigerants is for Olimpia Splendid a concrete commitment, taken personally, to be an active part in the creation of more sustainable home comfort solutions.

The widest and most diversified range

Up to 3.5 kW of power. With different aesthetics, to meet every air conditioning need with a unique product

Behind the range, a project

2 types of motors, 3 different refrigerant gases and multiple power sizes. The Unico range is the widest and most diversified on the market today, designed to meet the different installation needs - residential and commercial - with a specific solution: unique.

Behind every design, an Italian signature

The collaboration between Olimpia Splendid and Italian designers - emerging or world-famous - has deep roots. The first design of Unico by King & Miranda was in 1998: an iconic product that inspired, in the following years, the projects of other important Italian brands: Sara Ferrari, Matteo Thun and Antonio Rodriguez and Ercoli+Garlandini. An internationally awarded design recognised by the most prestigious competitions in the sector.

Range of air conditioners without outdoor unit

		<2.0 kW	2.1÷2.5 kW
UNICO AIR Only 16 cm thick. Also recessed	**ON/OFF VERSION**	Unico Air 8 SF (01503)	
		Unico Air 8 HP (01504)	
		A	
	**INVERTER VERSION**	Unico Air 20 SF EVA (02112)*	Unico Air 25 SF EVA (02094)*
		Unico Air 20 HP EVA (02111)*	Unico Air 25 HP EVA (02095)*
		A	A
			Unico Air Inverter 10 SF (01997)
			A
UNICO EDGE Design by Ercoli+Garlandini	**ON/OFF VERSION**		
	**INVERTER VERSION**		
UNICO PRO Design by Matteo Thun	**INVERTER VERSION**		
			

Energy efficiency classes in cooling, outdoor ambient temperature DB 35°C / WB 24°C; indoor room temperature DB 27°C / WB 19°C.

2.6÷3.0 kW	3.1÷3.5 kW
Unico Edge 30 SF RFA (02132)* NEW	
Unico Edge 30 HP RFA (02133)* NEW	
A	
Unico Edge 30 SF EVA (02116)*	
Unico Edge 30 HP EVA (02115)*	
A	
Unico Pro 30 HP EVA (01999)*	Unico Pro 35 HP EVA (02000)*
A+	A
Unico Pro 12 HP A+ (01866)	Unico Pro 14 HP (01868)
A+	A

UNICO EDGE 30 HP RFA
1 2 3 4 567

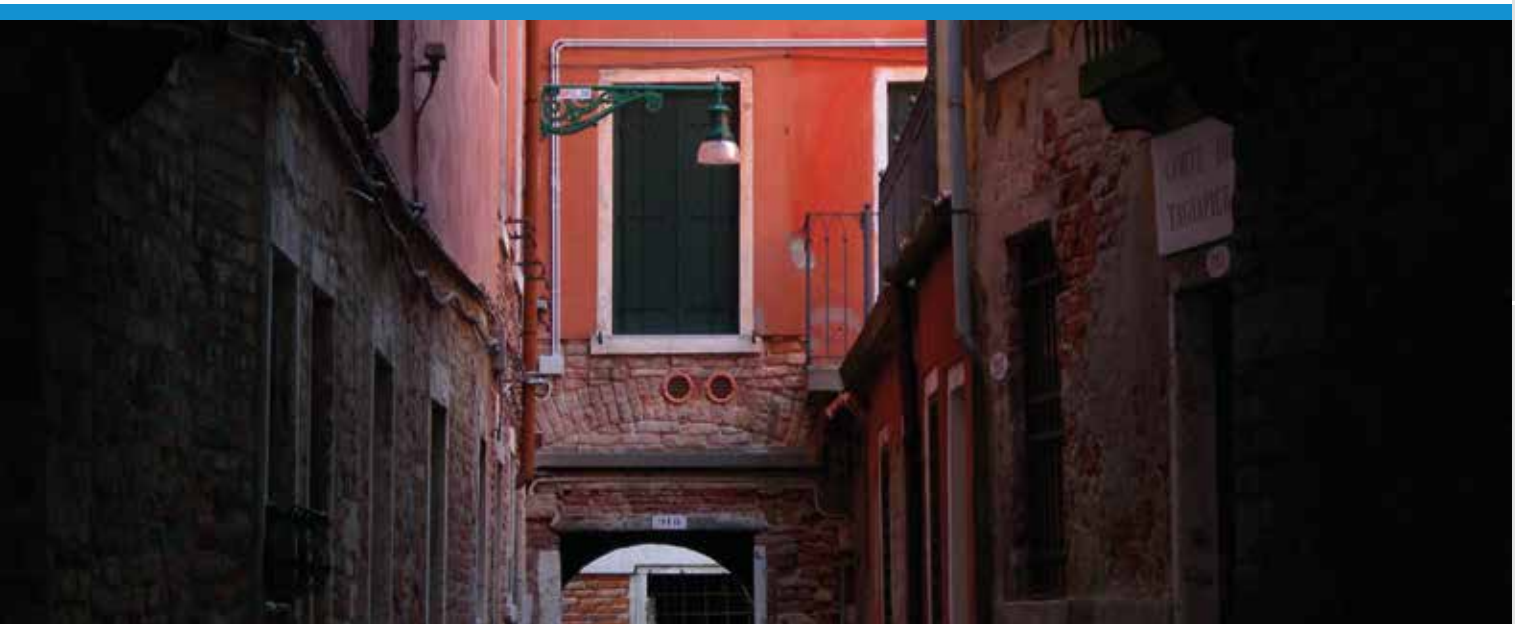
New nomenclature

Valid for products marked with *

Position 1: Unique line name
Position 2: Range Name (AIR, EDGE, PRO, TOWER)
Position 3: Size (20, 25, 30, 35)
20=Class up to 2.0 kW of rated power in cooling
25=Class from 2.1 kW up to 2.5 kW of rated power in cooling
30=Class from 2.6 kW up to 3.0 kW of rated power in cooling
35=Class from 3.1 kW up to 3.5 kW of rated power in cooling
Position 4: Operation specification (SF=cooling only, HP=heat pump)
Position 5: Refrigerant (R=R410A, E=R32, R=R410A)
Position 6: Compressor technology (F=on/off, V=inverter)
Position 7: Country specific legislation (A=Europe)

Air conditioner with 100% reclaimed refrigerant R410A

Air conditioner with low GWP refrigerant R32



Range of air conditioners without outdoor unit

		<2.0 kW	2.1÷2.5 kW
UNICO TOWER Vertical format 	**INVERTER VERSION**		Unico Tower 25 HP RVA (02153)* A
UNICO TWIN For two rooms 	**ON/OFF VERSION**		
UNICO EASY Console format 	**ON/OFF VERSION**	Unico Easy S1 SF (02037) Unico Easy S1 HP (02036) A	
UNICO R 2 kW auxiliary backup 	**ON/OFF VERSION**		Unico R 10 HP (01495) A

Energy efficiency class in cooling, external ambient temperature DB 35°C / WB 24°C; internal ambient temperature 27°C / WB 19°C. Unlike all other models in the range (which can be installed at the top or bottom of the wall), Unico Tower and Unico Easy can only be installed on the floor.

2.6÷3.0 kW	3.1÷3.5 kW
Unico Twin Master 30 HP RFA (02138)* NEW	
Unico Twin Wall S1 (01996)	
A	
Unico R 12 HP (01496)	
A	

UNICO TOWER 25 HP RVA
1 2 3 4 567

New nomenclature

Valid for products marked with *

Position 1: Unique line name
Position 2: Range Name (AIR, EDGE, PRO, TOWER)
Position 3: Size (20, 25, 30, 35)
20=Class up to 2.0 kW of rated power in cooling
25=Class from 2.1 kW up to 2.5 kW of rated power in cooling
30=Class from 2.6 kW up to 3.0 kW of rated power in cooling
35=Class from 3.1 kW up to 3.5 kW of rated power in cooling
Position 4: Operation specification (SF=cooling only, HP=heat pump)
Position 5: Refrigerant (R=R410A, E=R32, R=R410A)
Position 6: Compressor technology (F=on/off, V=inverter)
Position 7: Country specific legislation (A=Europe)

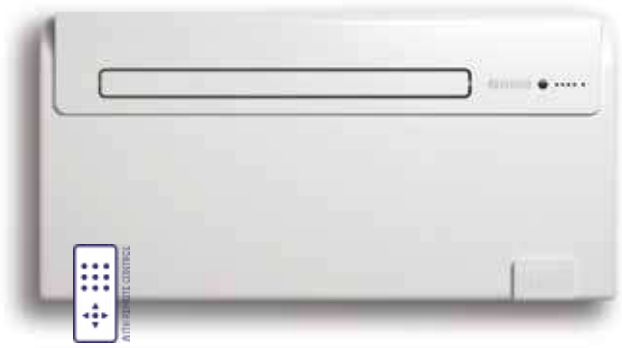
Air conditioner with 100% reclaimed refrigerant R410A

Air conditioner with low GWP refrigerant R32

Italian design by:

UNICO AIR

The thinnest (only 16 cm thick)



SLIM DESIGN

All Unico's technology in just 16 cm thickness. Unico Air is the thinnest air conditioner without outdoor unit,

SILENT SYSTEM

Thanks to sound-absorbing and anti-vibration materials, Unico Air ensures the lowest noise levels in the range. Sound pressure drops up to 27 dB (A)*

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).

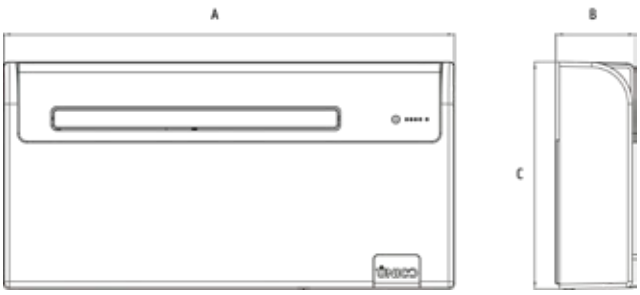
FEATURES

- Power: 1.8 kW
- Available in the versions: SF (Cool Only) –HP (Heat Pump)
- Cooling class A
- R410A refrigerant gas
- 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).
- Multifunction remote control

FUNCTIONS

- **Cooling, heating** (HP only)**, 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.
- **Condensate drain function:** automatic draining in cooling mode.
- **24 H timer**

DIMENSIONS AND WEIGHT



		8
A	mm	978
B	mm	164
C	mm	491
Weight	kg	37

* Measurement in a semi-anechoic chamber at 2m distance ventilation only.

TECHNICAL DATA			Unico Air 8 SF	Unico Air 8 HP
PRODUCT CODE			01503	01504
EAN CODE			8021183015034	8021183015041
Cooling power (min/max)		kW	-	-
Heating power (min/max)		kW	-	-
Nominal cooling capacity (1)	Prated	kW	1,8	1,8
Nominal heating capacity (1)	Prated	kW	-	1,7
Nominal power consumption for cooling (1)	PEER	kW	0,7	0,7
Nominal absorption for cooling (1)		A	3,1	3,1
Nominal power consumption for heating (1)	PCOP	kW	-	0,5
Nominal absorption for heating (1)		A	-	2,5
Nominal energy efficiency index (1)	EERd		2,6	2,6
Nominal efficiency coefficient (1)	COPd		-	3,1
Energy efficiency class in cooling (1)			A	A
Energy efficiency class in heating (1)			-	A
Energy consumption in "thermostat off" mode	PTO	W	14,0	14,0
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	0,7	0,7
Energy consumption for double pipe appliances (1) - heating function	QDD	kWh/h	-	0,5
Supply voltage		V-F-Hz	230-1-50	230-1-50
Supply voltage (min/max)		V	198 / 264	198 / 264
Absorbed power in cooling mode (min/max)		kW	-	-
Absorption in cooling mode (min/max)		A	-	-
Absorbed power in heating mode (min/max)		kW	-	-
Maximum absorption in heating mode (min/max)		A	-	-
Maximum power consumption with electric resistance heating		kW	-	-
Maximum absorption with electric resistance heating		A	-	-
Dehumidification capacity		l/h	0,6	0,6
Air flow rate in cooling environment (max/med/min)		m³/h	215/180/150	215/180/150
Air flow rate in heating environment (max/med/min)		m³/h	-	215/180/150
Air flow rate with electric resistance heating environment		m³/h	-	-
External air flow rate in cooling (max/min)		m³/h	380	380
External air flow rate in heating (max/min)		m³/h	-	380
Internal ventilation speed			3	3
External ventilation speed			1	1
Diameter wall holes		mm	162	162
Electric resistance heating			-	-
Maximun remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	978 x 491 x 164	978 x 491 x 164
Dimensions (WxHxD) (with packaging)		mm	1060 x 595 x 250	1060 x 595 x 250
Weight (without packaging)		kg	37	37
Weight (with packaging)		kg	41	41
Internal sound pressure (min/max) (2)		dB(A)	27-38	27-38
Internal sound power level (EN 12102)	LWA	dB(A)	53	53
Degree of protection provided by covers			IP 20	IP 20
Refrigerant gas*		Type	R410A	R410A
Global warming potential	GWP		2088	2088
Refrigerant gas charge		kg	0,47	0,47
Maximum operating pressure		MPa	4,20	4,20
Power cable (N° pole x section mm²)			3 x 1,5	3 x 1,5

LIMITS OF OPERATING CONDITIONS

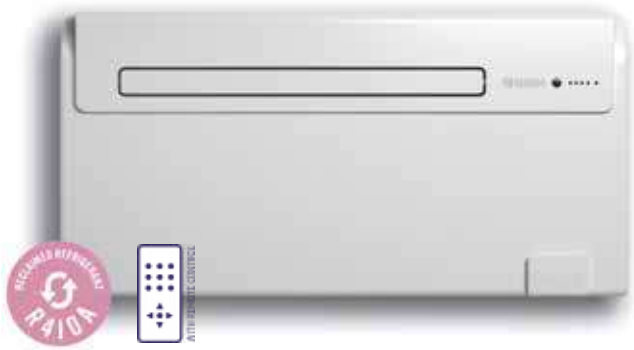
Indoor ambient temperature	**Maximum temperature in cooling**	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	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 2088.

Italian design by:

UNICO AIR

The slimmest, with inverter motor



RECLAIMED REFRIGERANT

It uses R410A reclaimed refrigerant gas. This refrigerant, identical to virgin refrigerant in purity and specifications, is reclaimed from existing industrial processes and subsequently re-processed. By avoiding the production of virgin refrigerant, Unico contributes to the development of a circular economy.

SLIM DESIGN

All Unico's technology in just 16 cm thickness. Unico Air is the thinnest air conditioner without outdoor unit,

SILENT SYSTEM

Thanks to sound-absorbing and anti-vibration materials, Unico Air ensures the lowest noise levels in the range. Sound pressure drops up to 27 dB (A)*

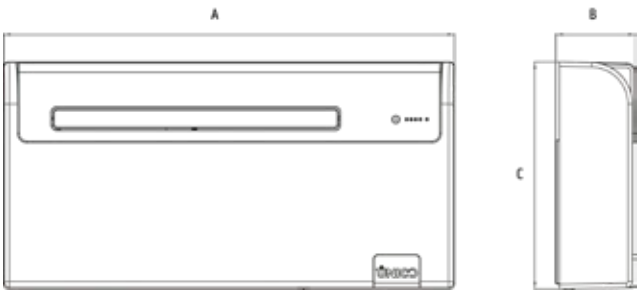
FEATURES

- Max power: 2.7 kW
- Available in the SF (Cool Only) version
- Cooling class A
- Reclaimed R410A refrigerant gas
- 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).
- Multifunction remote control

FUNCTIONS

- **Cooling, dehumidification and ventilation**
- **Economy function:** allows energy savings, automatically optimising machine performance
- **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



		10
A	mm	978
B	mm	164
C	mm	500
Weight	kg	39

* Measurement in a semi-anechoic chamber at 2m distance ventilation only.

TECHNICAL DATA			Unico Air Inverter 10 SF
PRODUCT CODE			01997
EAN CODE			8021183019971
Cooling power (min/max)		kW	1,2/2,7
Heating power (min/max)		kW	-
Nominal cooling capacity (1)	Prated	kW	2,3
Nominal heating capacity (1)	Prated	kW	-
Nominal power consumption for cooling (1)	PEER	kW	0,9
Nominal absorption for cooling (1)		A	3,9
Nominal power consumption for heating (1)	PCOP	kW	-
Nominal absorption for heating (1)		A	-
Nominal energy efficiency index (1)	EERd		2,6
Nominal efficiency coefficient (1)	COPd	COPd	-
Energy efficiency class in cooling (1)			A
Energy efficiency class in heating (1)			-
Energy consumption in "thermostat off" mode	PTO	W	33
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	-
Supply voltage		V-F-Hz	230-1-50
Supply voltage (min/max)		V	198 / 264
Maximum power consumption in cooling mode (1)		KW	0,4/1,1
Absorption in cooling mode (min/max)		A	1,8-4,1
Absorbed power in heating mode (min/max)		KW	-
Maximum absorption in heating mode (min/max)		A	-
Maximum power consumption with electric resistance heating		kW	-
Maximum absorption with electric resistance heating		A	-
Dehumidification capacity		l/h	0,8
Air flow rate in cooling environment (max/med/min)		m³/h	235/180/150
Air flow rate in heating environment (max/med/min)		m³/h	-
Air flow rate with electric resistance heating environment		m³/h	-
External air flow rate in cooling (max/min)		m³/h	380 / 190
External air flow rate in heating (max/min)		m³/h	-
Internal ventilation speed			3
External ventilation speed			2
Diameter wall holes		mm	162
Electric resistance heating			-
Maximun remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	978 x 500 x 164
Dimensions (WxHxD) (with packaging)		mm	1060 x 595 x 250
Weight (without packaging)		kg	39
Weight (with packaging)		kg	43
Internal sound pressure (min/max) (2)		dB(A)	27-38
Internal sound power level (EN 12102)	LWA	dB(A)	54
Degree of protection provided by covers			IP20
Refrigerant gas*		Type	R410A reclaimed
Global warming potential	GWP		2088
Refrigerant gas charge		kg	0,46
Maximum operating pressure		MPa	4,20
Power cable (N° pole x section mm²)			3 x 1,5

LIMITS OF OPERATING CONDITIONS

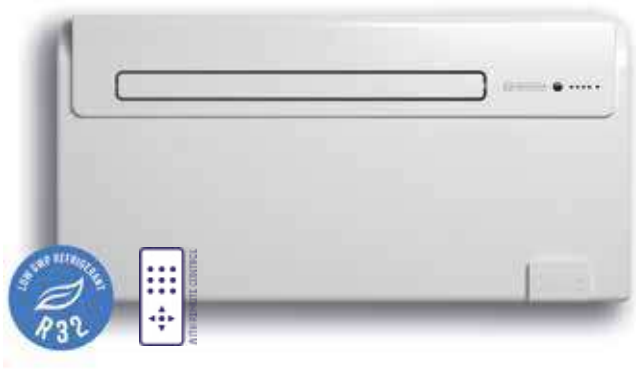
Indoor ambient temperature	**Maximum temperature in cooling**	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	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 2088.

Italian design by:

UNICO AIR

The slimmest, with inverter motor and R32 gas



LOW GWP GAS

Use the R32 refrigerant gas: more efficient and with greenhouse effect reduced to almost 70% (compared to R410A).

SLIM DESIGN

All Unico's technology in just 16 cm thickness. Unico Air is the thinnest air conditioner without outdoor unit,

SILENT SYSTEM

Thanks to sound-absorbing and anti-vibration materials, Unico Air ensures the lowest noise levels in the range. Sound pressure drops up to 27 dB (A)*

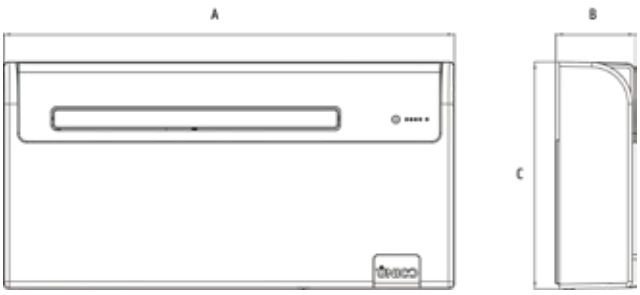
FEATURES

- Two models of Max power: 2.1 kW and 2.4 kW
- Available in the SF (Cool Only) - HP (Heat Pump) versions
- Cooling class A
- R32 refrigerant gas
- Large flap for the homogeneous diffusion of the air in the environment
- Multi-filtering system consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against unpleasant odours). Multifunction remote control

FUNCTIONS

- **Cooling, heating** (HP only), **dehumidification and ventilation**
- **Economy function:** allows energy savings, automatically optimising machine performance
- **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



		20	25
A	mm	978	978
B	mm	164	164
C	mm	491	500
Weight	kg	37	39

* Measurement in a semi-anechoic chamber at 2m distance ventilation only.

TECHNICAL DATA			Unico Air 20 SF EVA	Unico Air 20 HP EVA	Unico Air 25 SF EVA	Unico Air 25 HP EVA
PRODUCT CODE			02112	02111	02094	02095
EAN CODE			8021183021127	8021183021110	8021183020946	8021183020953
Cooling power (min/max)		kW	1,5/2,1	1,5/2,1	1,9/2,4	1,9/2,4
Heating power (min/max)		kW	-	1,3/1,7	-	1,8/2,3
Nominal cooling capacity (1)	Prated	kW	1,7	1,7	2,2	2,2
Nominal heating capacity (1)	Prated	kW	-	1,6	-	2,1
Nominal power consumption for cooling (1)	PEER	kW	0,7	0,7	0,8	0,8
Nominal absorption for cooling (1)		A	3,1	3,1	4,7	4,7
Nominal power consumption for heating (1)	PCOP	kW	-	0,5	-	0,7
Nominal absorption for heating (1)		A	-	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
Energy efficiency class in cooling (1)			A	A	A	A
Energy efficiency class in heating (1)			-	A	-	A
Energy consumption in "thermostat off" mode	PTO	W	24	24	33	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	0,7	0,7	0,8	0,8
Energy consumption for double pipe appliances (1) - heating function	QDD	kWh/h	-	0,5	-	0,7
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	0,5/0,9	0,5/0,9	0,7/1,1	0,7/1,1
Absorption in cooling mode (min/max)		A	2,4/4,1	2,4/4,1	3,7/5,3	3,7/5,3
Absorbed power in heating mode (min/max)		kW	-	0,4/0,8	-	0,5/0,8
Maximum absorption in heating mode (min/max)		A	-	2,0/3,7	-	2,5/4,6
Maximum power consumption with electric resistance heating		kW	-	-	-	-
Maximum absorption with electric resistance heating		A	-	-	-	-
Dehumidification capacity		l/h	0,6	0.6	0,8	0,8
Air flow rate in cooling environment (max/med/min)		m³/h	235/180/150	235/180/150	235/180/150	235/180/150
Air flow rate in heating environment (max/med/min)		m³/h	-	235/180/150	-	190/170/150
Air flow rate with electric resistance heating environment		m³/h	-	-	-	-
External air flow rate in cooling (max/min)		m³/h	380/190	380/190	380/190	380/190
External air flow rate in heating (max/min)		m³/h	-	380/190	-	380/190
Internal ventilation speed			3	3	3	3
External ventilation speed			2	2	2	2
Diameter wall holes		mm	162	162	162	162
Electric resistance heating			-	-	-	-
Maximun remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	978 x 491 x 164	978 x 491 x 164	978 x 500 x 164	978 x 500 x 164
Dimensions (WxHxD) (with packaging)		mm	1060 x 595 x 250	1060 x 595 x 250	1060 x 595 x 250	1060 x 595 x 250
Weight (without packaging)		kg	37	37	39	39
Weight (with packaging)		kg	41	41	43	43
Internal sound pressure (min/max) (2)		dB(A)	27-38	27-38	27-38	27-38
Internal sound power level (EN 12102)	LWA	dB(A)	53	53	54	54
Degree of protection provided by covers			IP20	IP20	IP20	IP20
Refrigerant gas*		Type	R32	R32	R32	R32
Global warming potential	GWP		675	675	675	675
Refrigerant gas charge		kg	0,28	0,28	0,37	0,37
Maximum operating pressure		MPa	4,28	4,28	4,28	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
	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.

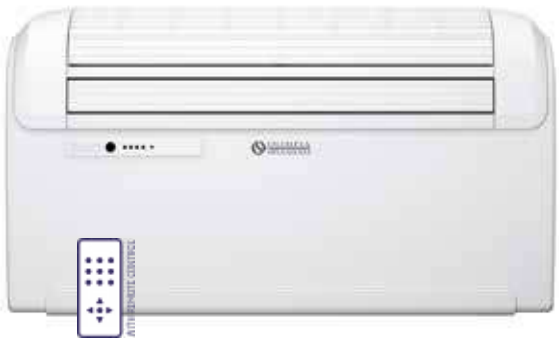
NEW

UNICO EDGE

2.7 kW of power

Italian design by:

ercoli+garlandini



NEW DESIGN

Designed by Ercoli + Garlandini studio, it stands out for its smooth lines, and the retro design, combined with a "strong personality" texture.

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

Heat pump air conditioner. Thanks to this feature you you can replace or support traditional heating in intermediate seasons (only in HP version).

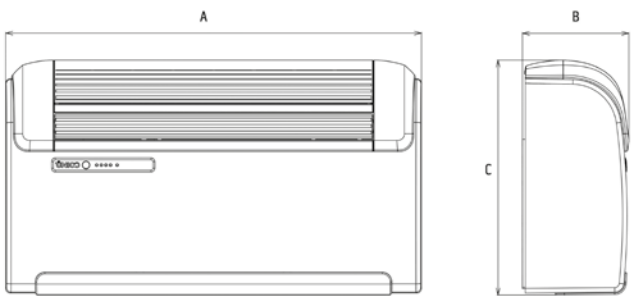
FEATURES

- Power: 2.7 kW
- Available in the versions: SF (Cool Only) - HP (Heat Pump)
- Cooling class A
- R410A refrigerant gas
- Equipped with a multi-filtering system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against unpleasant odours).
- Multifunction remote control

FUNCTIONS

- **Cooling, heating** (HP only)**, 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.
- **Condensate drainage function**: automatic drainage in cooling mode.
- **24 H timer**

DIMENSIONS AND WEIGHT



		30
A	mm	902
B	mm	229
C	mm	516
Weight	kg	40

TECHNICAL DATA			Unico Edge 30 SF RFA	Unico Edge 30 HP RFA
PRODUCT CODE			02132	02133
EAN CODE			8021183021325	8021183021332
Cooling power (min/max)		kW	-	-
Heating power (min/max)		kW	-	-
Nominal cooling capacity (1)	Prated	kW	2,7	2,7
Nominal heating capacity (1)	Prated	kW	-	2,5
Nominal power consumption for cooling (1)	PEER	kW	1,0	1,0
Nominal absorption for cooling (1)		A	4,3	4,3
Nominal power consumption for heating (1)	PCOP	kW	-	0,8
Nominal absorption for heating (1)		A	-	3,3
Nominal energy efficiency index (1)	EERd		2,6	2,6
Nominal efficiency coefficient (1)	COPd		-	3,1
Energy efficiency class in cooling (1)			A	A
Energy efficiency class in heating (1)			-	A
Energy consumption in "thermostat off" mode	PTO	W	14,0	14,0
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	1,0	1,0
Energy consumption for double pipe appliances (1) - heating function	QDD	kWh/h	-	0,8
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 (1)		kW	-	-
Absorption in cooling mode (min/max)		A	-	-
Absorbed power in heating mode (min/max)		kW	-	-
Maximum absorption in heating mode (min/max)		A	-	-
Maximum power consumption with electric resistance heating		kW	-	-
Maximum absorption with electric resistance heating		A	-	-
Dehumidification capacity		l/h	0,9	1,1
Air flow rate in cooling environment (max/med/min)		m³/h	490 / 430 / 360	490 / 430 / 360
Air flow rate in heating environment (max/med/min)		m³/h	-	450 / 400 / 330
Air flow rate with electric resistance heating environment		m³/h	-	-
External air flow rate in cooling (max/min)		m³/h	520 / 350	500 / 340
External air flow rate in heating (max/min)		m³/h	-	500 / 340
Internal ventilation speed			3	3
External ventilation speed			3	3
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	902 x 516 x 229	902 x 516 x 229
Dimensions (WxHxD) (with packaging)		mm	980 x 610 x 350	980 x 610 x 350
Weight (without packaging)		kg	40	40
Weight (with packaging)		kg	44	44
Internal sound pressure (min/max) (2)		dB(A)	33-42	33-42
Internal sound power level (EN 12102)	LWA	dB(A)	57	57
Degree of protection provided by covers			IP20	IP 20
Refrigerant gas*		Type	R410A	R410A
Global warming potential	GWP		2088	2088
Refrigerant gas charge		kg	0,54	0,55
Maximum operating pressure		MPa	3,6	3,6
Power cable (N° pole x section mm²)			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

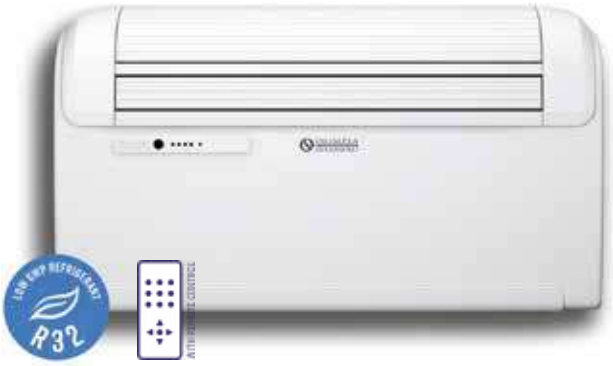
(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor environment DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor environment DB 27°C / WB 19°C
(2): Declaration of test data in a semi-anechoic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

Italian design by:

ercoli+garlandini

UNICO EDGE

Up to 3.0 kW of power, with inverter motor and R32 gas



LOW GWP GAS

Use the R32 refrigerant gas: more efficient and with greenhouse effect reduced to almost 70% (compared to R410A).

AWARD WINNING DESIGN

Designed by Ercoli + Garlandini studio, it stands out for its smooth lines, and the retro design, combined with a "strong personality" texture.

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).

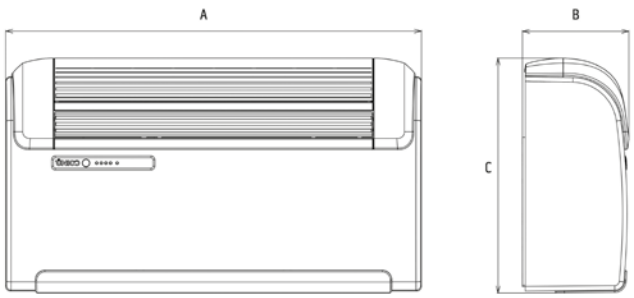
FEATURES

- Max Power: 3.0 kW
- Available in the versions: SF (Cool Only) - HP (Heat Pump)
- Cooling class A
- R32 refrigerant gas
- Large flap for the homogeneous diffusion of the air in the environment
- Multi-filtering system consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against unpleasant odours).
  Multifunction remote control

FUNCTIONS

- **Cooling, heating** (HP only)**, dehumidification and ventilation**
- **Economy function:** allows energy savings, automatically optimising machine performance
- **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



		30
A	mm	902
B	mm	229
C	mm	506
Weight	kg	39/40

TECHNICAL DATA			Unico Edge 30 SF EVA	Unico Edge 30 HP EVA
PRODUCT CODE			02116	02115
EAN CODE			8021183021165	8021183021158
Cooling power (min/max)		kW	1,9/3,0	1,9/3,0
Heating power (min/max)		kW	-	1,9/3,1
Nominal cooling capacity (1)	Prated	KW	2,7	2,7
Nominal heating capacity (1)	Prated	kW	-	2,4
Nominal power consumption for cooling (1)	PEER	kW	1,0	1,0
Nominal absorption for cooling (1)		A	5,0	5,0
Nominal power consumption for heating (1)	PCOP	kW	-	0,8
Nominal absorption for heating (1)		A	-	3,8
Nominal energy efficiency index (1)	EERd		2,6	2,6
Nominal efficiency coefficient (1)	COPd		-	3,1
Energy efficiency class in cooling (1)			A	A
Energy efficiency class in heating (1)			-	A
Energy consumption in "thermostat off" mode	PTO	W	29	29
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	1,0	1,0
Energy consumption for double pipe appliances (1) - heating function	QDD	kWh/h	-	0,8
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 (1)		kW	0,7/1,4	0,7/1,4
Absorption in cooling mode (min/max)		A	3,4/6,6	3,4/6,6
Absorbed power in heating mode (min/max)		kW	-	0,6/1,1
Maximum absorption in heating mode (min/max)		A	-	3,1/5,8
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	490 / 430 / 360	490 / 430 / 360
Air flow rate in heating environment (max/med/min)		m³/h	-	490 / 430 / 360
Air flow rate with electric resistance heating environment		m³/h	-	-
External air flow rate in cooling (max/min)		m³/h	520 / 350	500 / 340
External air flow rate in heating (max/min)		m³/h	-	500 / 340
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	902 x 506 x 229	902 x 506 x 229
Dimensions (WxHxD) (with packaging)		mm	980 x 610 x 350	980 x 610 x 350
Weight (without packaging)		kg	39	40
Weight (with packaging)		kg	43	43
Internal sound pressure (min/max) (2)		dB(A)	33-43	33-43
Internal sound power level (EN 12102)	LWA	dB(A)	58	58
Degree of protection provided by covers			IP 20	IP 20
Refrigerant gas*		Type	R32	R32
Global warming potential	GWP		675	675
Refrigerant gas charge		kg	0,42	0,42
Maximum operating pressure		MPa	4,28	4,28
Power cable (N° pole x section m2)			3 x 1,5	3 x 1,5

LIMITS OF OPERATING CONDITIONS

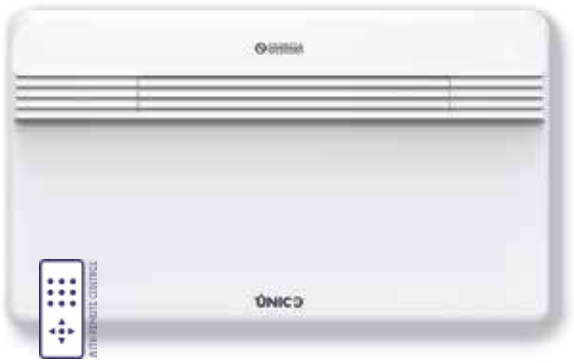
Indoor ambient temperature	**Maximum temperature in cooling**	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	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.

Italian design by:

UNICO PRO

The most powerful and efficient, with an inverter motor



POWER AND EFFICIENCY

Super cooling power and high efficiency class (up to A+).

NEW INVERTER SYSTEM

A new generation of inverter motor, with wide frequency range, DC inverter fans and an electronic management for the expansion valve.

AWARD WINNING DESIGN

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

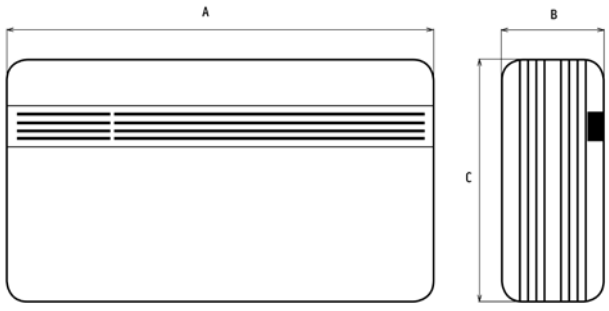
FEATURES

- Two models of Max power: 3.4 kW and 3.5 kW
- Available in the version: HP (Heat Pump)
- Class up to A+
- R410A refrigerant gas
- 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 Multifunction remote control with LCD display 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 up to -10 dB(A).
- **24 H timer**

DIMENSIONS AND WEIGHT



		12/14
A	mm	903
B	mm	215
C	mm	520
Weight	kg	39

TECHNICAL DATA			Unico Pro Inverter 12 HP A+	Unico Pro Inverter 14 HP
PRODUCT CODE			01866	01868
EAN CODE			8021183018660	8021183018684
Cooling power (min/max)		kW	1,7 / 3,4	1,7 / 3,5
Heating power (min/max)		kW	1,5 / 3,0	1,5 / 3,2
Nominal cooling capacity (1)	Prated	kW	2,2	2,9
Nominal heating capacity (1)	Prated	kW	2,4	2,6
Nominal power consumption for cooling (1)	PEER	kW	0,7	1,1
Nominal absorption for cooling (1)		A	3,1	4,9
Nominal power consumption for heating (1)	PCOP	kW	0,8	0,8
Nominal absorption for heating (1)		A	3,4	3,7
Nominal energy efficiency index (1)	EERd		3,1	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	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	0,7	1,1
Energy consumption for double pipe appliances (1) - heating function	QDD	kWh/h	0,8	0,8
Silent mode cooling capacity		kW	1,7	1,7
Silent mode heating capacity		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 (1)		kW	0,5/1,7	0,5/1,7
Absorption in cooling mode (min/max)		A	3,5-7,5	3,5-7,5
Absorbed power in heating mode (min/max)		kW	0,4/1,4	0,4/1,5
Maximum absorption in heating mode (min/max)		A	3,1-6,2	3,1-6,2
Maximum power consumption with electric resistance heating		kW	-	-
Maximum absorption with electric resistance heating		A	-	-
Dehumidification capacity		l/h	1,3	1,4
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			-	-
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)	32-43	32-43
Internal sound power level (EN 12102)	LWA	dB(A)	57	59
Silent Mode sound pressure level		dB(A)	34	34
Silent Mode sound power level	LWA	dB(A)	49	49
Degree of protection provided by covers			IP20	IP20
Refrigerant gas*		Type	R410A	R410A
Global warming potential	GWP		2088	2088
Refrigerant gas charge		kg	0,58	0,58
Maximum operating pressure		MPa	4,20	4,20
Power cable (N° pole x section mm²)			3 x 1,5	3 x 1,5

LIMITS OF OPERATING CONDITIONS

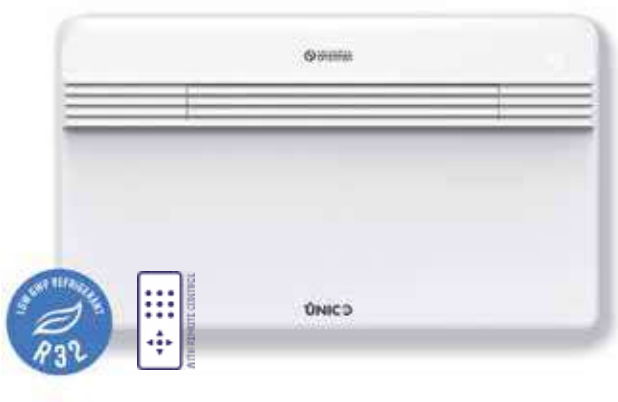
Indoor ambient temperature	**Maximum temperature in cooling**	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	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 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.

Italian design by:

UNICO PRO

The most powerful and efficient, with inverter motor and R32 gas



LOW GWP GAS

Use the R32 refrigerant gas: more efficient and with greenhouse effect reduced to almost 70% (compared to R410A).

POWER AND EFFICIENCY

Super cooling power and high efficiency class (up to A+).

NEW INVERTER SYSTEM

A new generation of inverter motor, with wide frequency range, DC inverter fans and an electronic management for the expansion valve.

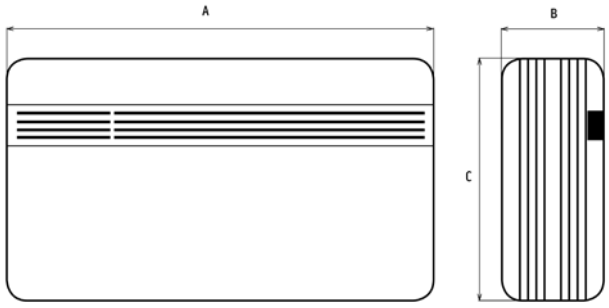
FEATURES

- Two models of Max power: 3.2 kW and 3.4 kW
- Available in the version: HP (Heat Pump)
- Class up to A+
- R32 refrigerant gas
- 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 Multifunction remote control with LCD display 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 up to -10 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 EVA	Unico Pro 35 HP EVA
PRODUCT CODE			01999	02000
EAN CODE			8021183019995	8021183020007
Cooling power (min/max)		kW	1,9/3,2	1,9/3,4
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	1,2
Energy consumption for double pipe appliances (1) - heating function	QDD	kWh/h	0,5	0,8
Silent mode cooling capacity		kW	1,9	1,9
Silent mode heating capacity		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 (1)		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
Maximum 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			-	-
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
Internal sound power level (EN 12102)	LWA	dB(A)	57	59
Silent Mode sound pressure level		dB(A)	34	34
Silent Mode sound power level	LWA	dB(A)	49	49
Degree of protection provided by covers			IP 20	IP 20
Refrigerant gas*		Type	R32	R32
Global warming potential	GWP		675	675
Refrigerant gas charge		kg	0,46	0,46
Maximum operating pressure		MPa	4,28	4,28
Power cable (N° pole x section mm²)			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.

UNICO TOWER

The air conditioner without outdoor unit, in vertical format, with inverter motor

SPACE SAVINGS

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.

NEW INVERTER SYSTEM

New generation inverter motor, with a wide frequency range and DC inverter fans.

TOUCHSCREEN DISPLAY

Backlit display and touch controls on the machine.



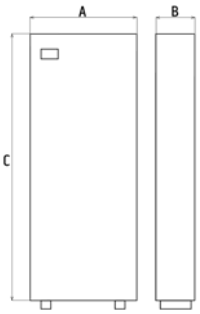

FEATURES

- Max power: 2.9 kW
- Available in the version: HP (heat pump)
- Cooling class: up to A
- Coolant gas: R410A
- All-metal body
- Floor-mounted installation
- Backlit display with on-board touch controls
- Multifunction remote control with LCD display 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 up to -13 dB(A).
- **24 H timer**

DIMENSIONS AND WEIGHT



		25
A	mm	470
B	mm	185
C	mm	1390
Weight	kg	54

TECHNICAL DATA			Unico Tower 25 HP RVA
PRODUCT CODE			02153
EAN CODE			8021183021530
Cooling power (min/max)		kW	1,5 / 2,9
Heating power (min/max)		kW	1,5 / 3,1
Nominal cooling capacity (1)	Prated	kW	2,4
Nominal heating capacity (1)	Prated	kW	2,3
Nominal power consumption for cooling (1)	PEER	kW	0,9
Nominal absorption for cooling (1)		A	4,9
Nominal power consumption for heating (1)	PCOP	kW	0,7
Nominal absorption for heating (1)		A	3,7
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	29
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	0,7
Silent mode cooling capacity		kW	1,5
Silent mode heating capacity		kW	1,5
Supply voltage		V-F-Hz	230-1-50
Supply voltage (min/max)		V	198 / 264
Maximum power consumption in cooling mode (1)		kW	0,5/1,7
Absorption in cooling mode (min/max)		A	3,5/8,5
Absorbed power in heating mode (min/max)		kW	0,4/1,4
Maximum absorption in heating mode (min/max)		A	3,1/6,20
Maximum power consumption with electric resistance heating		kW	-
Maximum absorption with electric resistance heating		A	-
Dehumidification capacity		l/h	1,0
Air flow rate in cooling environment (max/med/min)		m³/h	260/200/175
Air flow rate in heating environment (max/med/min)		m³/h	260/200/175
Air flow rate with electric resistance heating environment		m³/h	-
External air flow rate in cooling (max/min)		m³/h	486/230
External air flow rate in heating (max/min)		m³/h	486/230
Internal ventilation speed			3
External ventilation speed			6
Diameter wall holes		mm	162
Electric resistance heating			-
Maximun remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	470 x 1390 x 185
Dimensions (WxHxD) (with packaging)		mm	-
Weight (without packaging)		kg	54
Weight (with packaging)		kg	-
Internal sound pressure (min/max) (2)		dB(A)	27-40
Internal sound power level (EN 12102)	LWA	dB(A)	57
Silent Mode sound pressure level		dB(A)	31
Silent Mode sound power level	LWA	dB(A)	44
Degree of protection provided by covers			IP20
Refrigerant gas*		Type	R410A
Global warming potential	GWP		2088
Refrigerant gas charge		kg	0,50
Maximum operating pressure		MPa	4,20
Power cable (N° pole x section mm²)			3 x 1,5

LIMITS OF OPERATING CONDITIONS

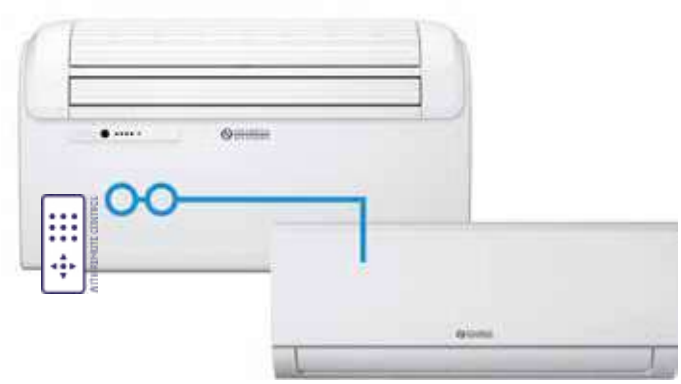
Indoor ambient temperature	**Maximum temperature in cooling**	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	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 2088.

NEW

UNICO TWIN

The only system to air condition two rooms without outdoor units



TWIN TECHNOLOGY

Twin technology allows the use of the two units (Master unit and Wall unit) simultaneously or separately depending on requirements, both in heating and cooling mode.

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

Heat pump air conditioner. Thanks to this feature you you can replace or support traditional heating in intermediate seasons (only in HP version).

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
- 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**

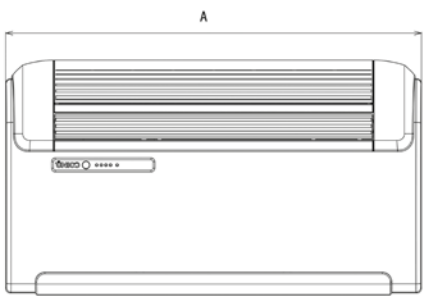
MASTER features

- 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: 46 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/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 power level (EN 12102)	LWA	dB(A)	57
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 mm²)			3 x 1,5

TECHNICAL DATA		Unico Twin Wall S1
PRODUCT CODE		01996
EAN CODE		8021183019964
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 power level (EN 12102)	dB(A)	46
Internal sound pressure (2)	dB(A)	25-36
Degree of protection provided by covers		IP X1
Power cable (N° pole x section mm²)		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.
In simultaneous operation ambient air fan speed works at minimum speed.
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.

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.

UNICO EASY

The consolle 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

Heat pump air conditioner. Thanks to this feature you you can replace or support traditional heating in intermediate seasons (only in HP version).

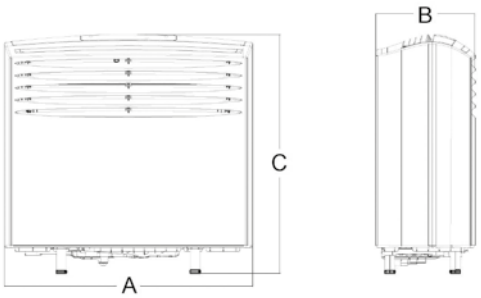
FEATURES

- Max Power: 2.0 kW
- Available in the versions: SF (Cool Only) - HP (Heat Pump)
- Cooling class A
- R410A refrigerant gas
- Floor installation
- Control display on the touch screen machine
- Remote control

FUNCTIONS

- **Cooling, heating** (HP only)**, 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	36

TECHNICAL DATA			Unico Easy S1 SF	Unico Easy S1 HP
PRODUCT CODE			02037	02036
EAN CODE			8021183020373	8021183020366
Cooling power (min/max)		kW	-	-
Heating power (min/max)		kW	-	-
Nominal cooling capacity (1)	Prated	kW	2,0	2,0
Nominal heating capacity (1)	Prated	kW	-	1,8
Nominal power consumption for cooling (1)	PEER	kW	0,8	0,8
Nominal absorption for cooling (1)		A	3,45	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	2,6
Nominal efficiency coefficient (1)	COPd		-	2,7
Energy efficiency class in cooling (1)			A	A
Energy efficiency class in heating (1)			-	B
Energy consumption in "thermostat off" mode	PTO	W	1,0	1,0
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	-	0,7
Supply voltage		V-F-Hz	220/240-1-50	220/240-1-50
Supply voltage (min/max)		V	198 / 264	198 / 264
Maximum power consumption in cooling mode		kW	1,027	1,036
Maximum absorption in cooling mode		A	5,46	5,55
Maximum power consumption in heating mode		kW	-	1,036
Maximum absorption in heating mode		A	-	5,6
Dehumidification capacity		l/h	2,2	2,2
Air flow rate in cooling environment (max/med/min)		m³/h	405 / 370 / 335	405 / 370 / 335
Air flow rate in heating environment (max/med/min)		m³/h	-	405 / 370 / 335
External air flow rate in cooling (max/min)		m³/h	505 / 0	505 / 0
External air flow rate in heating (max/min)		m³/h	-	505 / 0
Internal ventilation speed			3	3
External ventilation speed			2	2
Diameter wall holes**		mm	162	162
Electric resistance heating			-	-
Maximun remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	693 x 665 x 276	693 x 665 x 276
Dimensions (WxHxD) (with packaging)		mm	770 x 865 x 421	770 x 865 x 423
Weight (without packaging)		kg	36	35,6
Weight (with packaging)		kg	41	40,9
Internal sound power level (EN 12102)	LWA	dB(A)	60	60
Degree of protection provided by covers			IP X0	IPX0
Refrigerant gas*		Type	R410A	R410A
Global warming potential	GWP		2088	2088
Refrigerant gas charge		kg	0,51	0,515
Maximum operating pressure		MPa	4,2	4,2
Power cable (N° pole x section mm²)			3 x 1,5	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 2088.

UNICO R

With auxiliary backup, for the harshest climates

RECLAIMED REFRIGERANT

It uses R410A reclaimed refrigerant gas. This refrigerant, identical to virgin refrigerant in purity and specifications, is reclaimed from existing industrial processes and subsequently re-processed. By avoiding the production of virgin refrigerant, Unico contributes to the development of a circular economy.

+2 KW AUXILIARY BACKUP

Unico R is designed for the coldest temperatures. When the outdoor ambient temperatures are below 2°C, the heating mode is obtained by activating the electric heating elements and the fan only. For temperatures above 2°C, heating is obtained by means of a heat pump. The management of one or the other mode is completely automatic.

HEAT PUMP

Heat pump air conditioner. Thanks to this feature you you can replace or support traditional heating in intermediate seasons.

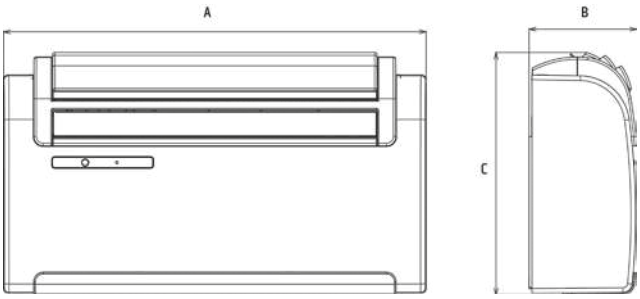
FEATURES

- Two power models: 2.3 kW - 2.7 kW
- Available in the versions: HP (Heat Pump)
- Cooling class A
- Reclaimed R410A refrigerant gas
- Bottom installation recommended, for enhanced air distribution
- Equipped with a multi-filtering system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against unpleasant odours).
- Multifunction 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



		10/12
A	mm	902
B	mm	229
C	mm	516
Weight (without packaging)	kg	40

TECHNICAL DATA			Unico R 10 HP	Unico R 12 HP
PRODUCT CODE			01495	01496
EAN CODE			8021183014952	8021183014969
Cooling power (min/max)		kW	-	-
Heating power (min/max)		kW	-	-
Nominal cooling capacity (1)	Prated	kW	2,3	2,7
Nominal heating capacity (1)	Prated	kW	2,3	2,5
Nominal power consumption for cooling (1)	PEER	kW	0,9	1,0
Nominal absorption for cooling (1)		A	3,70	4,30
Nominal power consumption for heating (1)	PCOP	kW	0,7	0,8
Nominal absorption for heating (1)		A	3,0	3,3
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	14,0	14,0
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	0,9	1,0
Energy consumption for double pipe appliances (1) - heating function	QDD	kWh/h	0,7	0,8
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		kW	0,9	1,1
Maximum absorption in cooling mode		A	3,9	4,8
Maximum power consumption in heating mode		kW	0,9	1,1
Maximum absorption in heating mode		A	3,8	4,7
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	0,9	1,1
Air flow rate in cooling environment (max/med/min)		m³/h	490 / 430 / 360	490 / 430 / 360
Air flow rate in heating environment (max/med/min)		m³/h	410 / 350 / 270	490 / 400 / 330
Air flow rate with electric resistance heating environment		m³/h	490	490
External air flow rate in cooling (max/min)		m³/h	520 / 350	500 / 340
External air flow rate in heating (max/min)		m³/h	520 / 350	500 / 340
Internal ventilation speed			3	3
External ventilation speed			3	3
Diameter wall holes**		mm	162/202	162/202
Electric resistance heating		W	2000	2000
Maximun remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	902 x 516 x 229	902 x 516 x 229
Dimensions (WxHxD) (with packaging)		mm	980 x 610 x 350	980 x 610 x 350
Weight (without packaging)		kg	40	40
Weight (with packaging)		kg	44	44
Internal sound pressure (min/max) (2)		dB(A)	33-41	33-42
Internal sound power level (EN 12102)	LWA	dB(A)	56	57
Degree of protection provided by covers			IP 20	IP 20
Refrigerant gas*		Type	R410A reclaimed	R410A reclaimed
Global warming potential	GWP		2088	2088
Refrigerant gas charge		kg	0,65	0,55
Maximum operating pressure		MPa	3,6	3,6
Power cable (N° pole x section mm²)			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 2088.
** Unico R is 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.

Accessories

B1015 **Kit Wi-Fi Unico**

Wi-Fi/Bluetooth interface card.

Compatible with:

UNICO AIR	UNICO PRO	UNICO R
UNICO EDGE	UNICO TOWER	

B1014 **Wireless serial interface**

Interface for receiving wireless commands (desired temperature, ventilation speed, air deflector operation and air change function) or via contacts (Cooling or Heating operating mode, ventilation speed). Presence sensor contact or Sleep mode. Alarm output in case of malfunction.

Compatible with:

UNICO AIR	UNICO TOWER
UNICO EDGE	UNICO EASY
UNICO PRO	UNICO R

B1012 **Wireless Wall Control**

Battery-powered wall-mounted control for sending wireless commands (desired temperature, ventilation speed, air deflector operation).

Compatible with:

UNICO AIR	UNICO TOWER
UNICO EDGE	UNICO EASY
UNICO PRO	UNICO R

B0776 **Closing panel for recessed structure**

Designed to completely camouflage the product within the architecture of the building.

Compatible with:

UNICO AIR

B0775 **Recessed formwork kit**

Supplied for quick installation and already prepared with holes for installation of the product.

Compatible with:

UNICO AIR

B0565 **200mm diameter installation kit**

1:1 scale installation template (valid for Unico Edge and Unico R), support bracket, PP universal sheets, pair of indoor flanges Ø 200 mm, pair of outdoor folding grilles Ø 200 mm.

Compatible with:

UNICO EDGE	UNICO R
UNICO TWIN	

B0564 **Grille kit diameter 160 mm**

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

Compatible with:

UNICO AIR	UNICO TOWER	UNICO R
UNICO EDGE	UNICO TWIN	
UNICO PRO	UNICO EASY	

B0620 **Heating cable**

To prevent the formation of ice in the condensate trap for drainage.

Compatible with:

UNICO AIR	UNICO TOWER
UNICO EDGE	UNICO TWIN
UNICO PRO	UNICO R

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 AIR	UNICO TWIN
UNICO EDGE	UNICO R
UNICO PRO	UNICO EASY

B1015: the kit to connect Unico to the smartphone

Easy to set up, works with Wi-Fi and Bluetooth connection

To manage comfort from a smartphone, inside and outside the home, the air conditioners without outdoor unit Unico can be equipped with Wi-Fi and bluetooth connectivity. Installing the kit, with the help of a qualified installer, is fast and the first configuration is simple. Thanks to the Wi-Fi connection (which does not require router configuration), it is also possible to manage Unico remotely outside the home.

The Olimpia Splendid Unico application to control and set up your Unico both locally and remotely. Available for download on the Apple Store and Google Play

Available on the iPhone App Store

ANDROID APP ON Google play

App features

Available for iPhone and iPad with IOS Operating System and for smartphones and tablets with Android Operating System (compatibility indication available on Apple Store and Google Play). It is used to manage one or more air conditioners.

App functionality

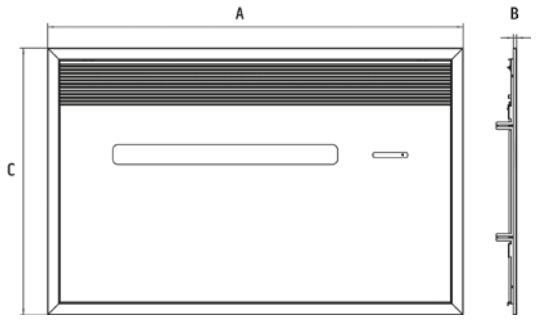
- All modes can be set: heating, cooling, dehumidification, ventilation only, automatic and vertical Swing function.
- Room temperature display
- Display of machine alarms and recording in the log • Checking of the intensity of the Wi-Fi signal detected by the card
- Service: for viewing/editing machine variables and parameters
- Available in: Italian, English, French, German and Spanish
- Guide: direct access to the Help in the relevant language (Italian, English, German, Spanish, French)
- Presence contact management: air conditioner disabled if the contact is opened and re-enabled when closed.

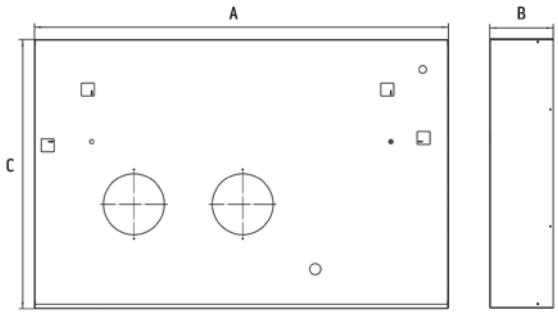
B0775 and B0776: the accessories for Unico built-in

How to make the air conditioner invisible, inside and outside the home

Compatible with all Unico Air models

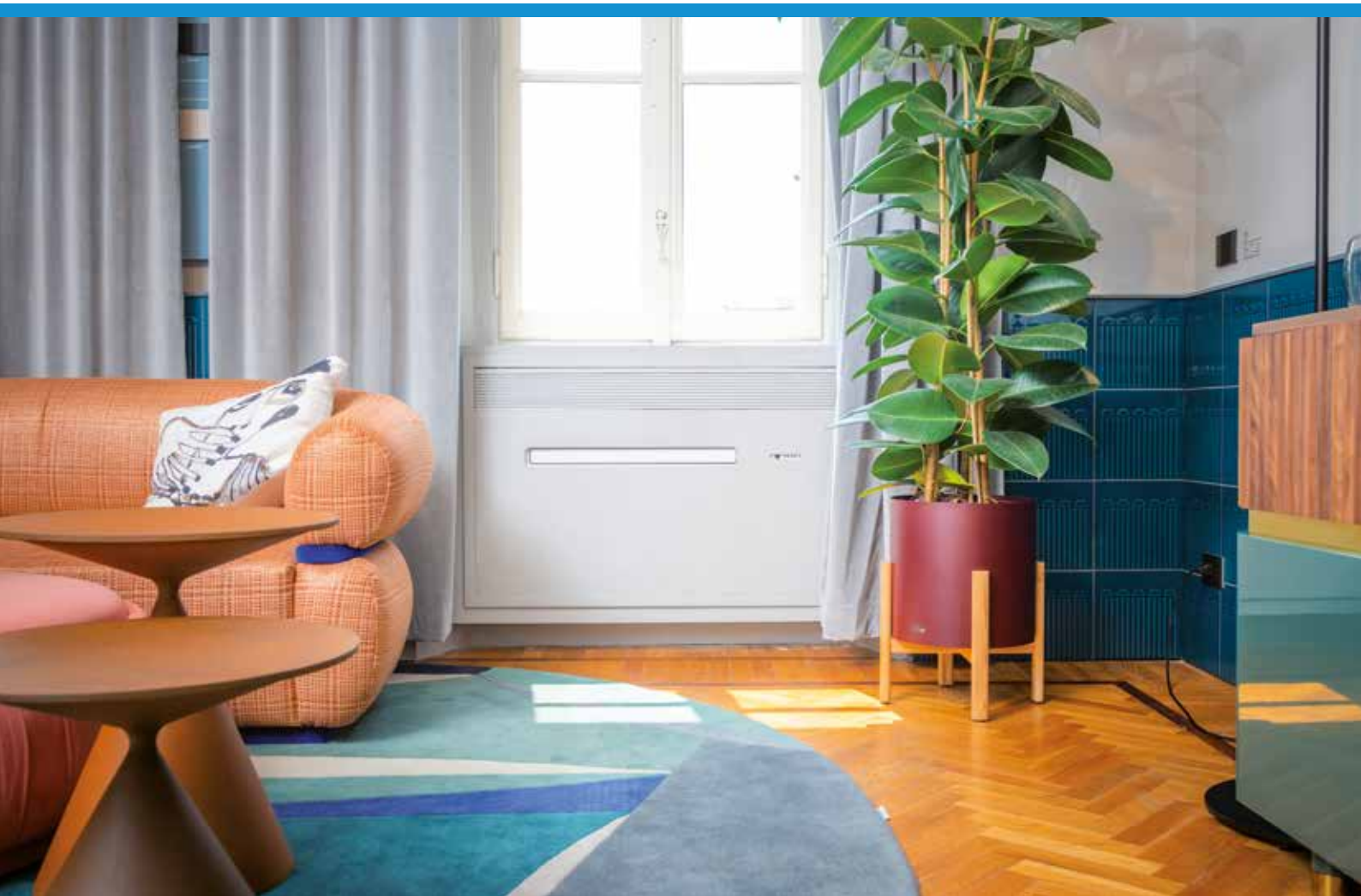
Unico Air is the slimmest air conditioner ever without outdoor unit. The reduced thickness (only 16 cm) makes it perfect for recessed installation, thus concealing the air conditioner, both inside and out. With the use of the special front panel and the formwork, it will finally be possible to completely hide the devices for home comfort.





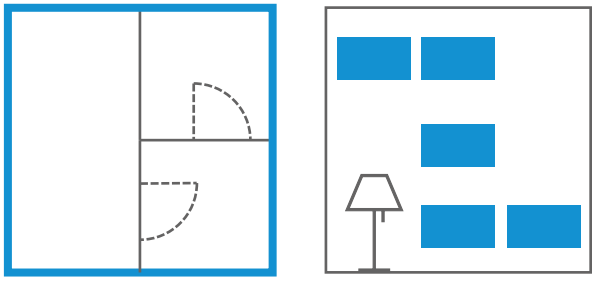
RECESSED PANEL		
A	**B**	**C**
1173 mm	9 mm	754 mm

FORMWORK FOR RECESS		
A	**B**	**C**
1114 mm	171 mm	725 mm



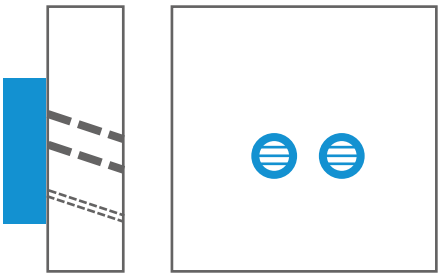
Installation guidelines

The main rules to follow



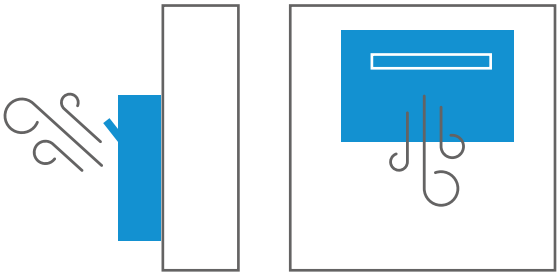
Choice of position

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 Tower 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.



Wall drilling

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. In models with heat pump (HP versions) it is always necessary to make a third small hole, for the condensate drain. 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.



Flap adjustment at the outlet

Depending on the type of installation chosen, it is necessary to optimise the distribution of air in the room, correctly configuring the flap opening.

FIXED AIR CONDITIONERS

Comfort with maximum efficiency, controlled directly from your smartphone

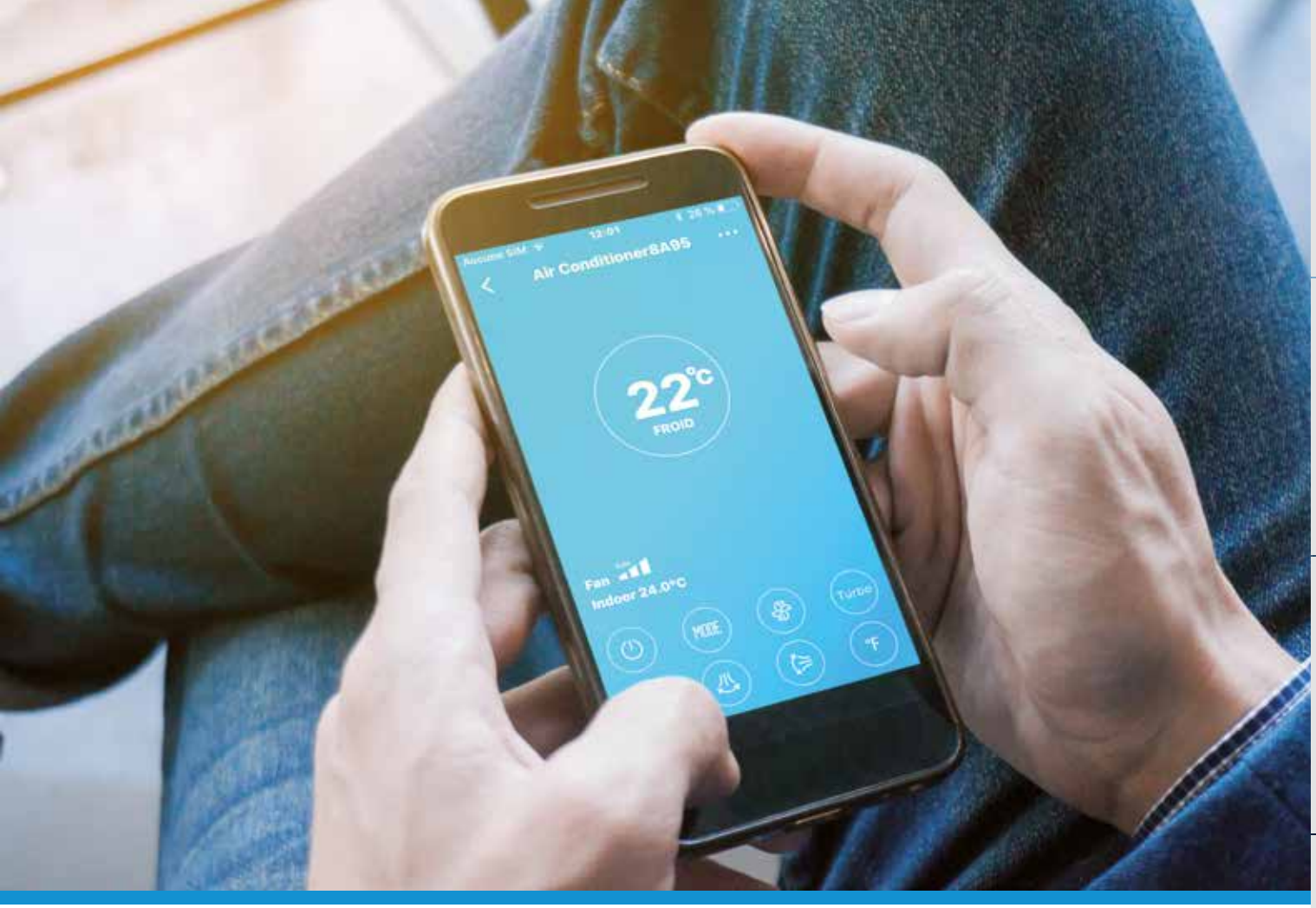
The benefits of Olimpia Spendid's mono and multi-split air conditioners

High efficiency e low GWP

The Olimpia Splendid air conditioners are among best performing in terms of energy efficiency (reaching up to a class of A+++) and use R32 refrigerant, which has a greenhouse effect reduced by almost 70% (compared to R410A).

Complete air treatment

Breathe in our home influences our health and the well-being of the whole family. Good indoor quality of air is therefore an integral part of a comfortable, healthy and safe home, and the technological development of Olimpia Splendid is oriented at transforming air conditioners into increasingly advanced air treatment devices. This is why the indoor units of the Olimpia Splendid air conditioners have cold catalytic filters, useful for inhibiting harmful gases (such as formaldehyde and benzene) and automatic hight emperature sterilisation functions. For climate comfort that is safer for everyone.



Wi-Fi kit: how to connect the air conditioner to your smartphone

Easy to install and set up

All the wall, duct, cassette and ceiling internal units of Olimpia Splendid's fixed air conditioners can be fitted with Wi-Fi connectivity to manage the comfort settings remotely, out of the home, via the 3G and 4G network from your smartphone. There are two solutions available:

- Wi-Fi B1020 kit: consisting of a special USB key to insert independently in the dedicated port under the front panel. The kit is included with all the wall units while it is optional (to order) for all the cassette internal units, sizes 24, 36 single- and three-phase and 48 three-phase.

- Wi-Fi B0970 kit: consisting of a disc, to be installed outside the wall/ceiling internal unit, containing a USB key for Wi-Fi integration. The kit is optional (to order) for all ducted and ceiling internal units and for cassette internal units, sizes 9, 12 and 18.

OS Comfort is Olimpia Splendid's application to control the air conditioner from your smartphone. Available for download on the Apple Store and Google Play.

Available on the iPhone App Store

Google play

App features

Available for iPhone and iPad with IOS Operating System and for smartphones and tablets with Android Operating System (compatibility indication available on Apple Store and Google Play). It is used to manage one or more air conditioners.

App functionality

- All modes can be set: heating, cooling, dehumidification, ventilation only, automatic
- Special functions can also be set: turbo, vertical and horizontal swing, echo
- Room temperature display
- Weekly timer with 1 time slot, with fixed modes and set points
- Frost protection: automatic activation of the air conditioner with ambient temperature below 8°C
- Sleep setting: possibility to manage the set point for each hour of the day

Mono-split air conditioner range

		SINGLE-PHASE ODU	
		9	12
NEXYA ENERGY E High wall mono-split air conditioners 	**Outdoor units**	UE Nexya Energy E 9 (OS-CEENH09EI)	UE Nexya Energy E 12 (OS-CEENH12EI)
	Indoor Units	UI Nexya Energy E 9 (OS-SEENH09EI)	UI Nexya Energy E 12 (OS-SEENH12EI)
		A+++	A+++
NEXYA S4 E High wall mono-split air conditioners 	**Outdoor units**	UE Nexya S4 E inverter 9 C (OS-KENEH09EI)	UE Nexya S4 E inverter 12 C (OS-KENEH12EI)
	Indoor Units	UI Nexya S4 E Inverter 9 (OS-SENEH09EI)	UI Nexya S4 E Inverter 12 (OS-SENEH12EI)
		A++	A++
ALYAS PRO E High wall mono-split air conditioners 	**Outdoor units**	UE Alyas Pro E inverter 9 (OS-CENOH09EI)	
	Indoor Units	UI Alyas Pro E inverter 9 (OS-SENOH09EI)	
		A+++	
NEXYA S4 E DUCT Mono-split air conditioners for large rooms S4 **Download** Technical data sheet for the entire S4 range	**Outdoor units**		
	Indoor Units		
NEXYA S4 E CASSETTE Mono-split air conditioners for large rooms S4 **Download** Technical data sheet for the entire S4 range	**Outdoor units**		
	Indoor Units		
NEXYA S4 E CEILING Mono-split air conditioners for large rooms S4 **Download** Technical data sheet for the entire S4 range	**Outdoor units**		
	Indoor Units		
NEXYA S5 E DUCT Mono-split air conditioner for large rooms  S5	**Outdoor units** NEW		
	Indoor Units NEW		
NEXYA S5 E CASSETTE Mono-split air conditioners for large rooms  S5	**Outdoor units** NEW		
	Indoor Units NEW		
NEXYA S5 E CEILING Mono-split air conditioner for large rooms  S5	**Outdoor units** NEW		
	Indoor Units NEW		

Energy efficiency class in cooling depending on the reference operating conditions of each model.
For multi-split units, the energy class listed here refers to the most efficient combination.

ODU THREE PHASE

18	24	36	36T	48T
UE Nexya S4 E inverter 18 C (OS-KENEH18EI)	UE Nexya S4 E inverter 24 (OS-CENEH24EI)			
UI Nexya S4 E Inverter 18 (OS-SENEH18EI)	UI Nexya S4 E inverter 24 (OS-SENEH24EI)			
A++	A++			
	UE Nexya S4 E Commercial 24 (OS-CECIH24EI)		UE Nexya S4 E Commercial 36T (OS-CECITH36EI)	
	UI Nexya S4 E Duct 24 (OS-SEDIH24EI)		UI Nexya S4 E Duct 36 (OS-SEDIH36EI)	
	A++		A++	
	UE Nexya S4 E Commercial 24 (OS-CECIH24EI)			UE Nexya S4 E Commercial 48T (OS-CECITH48EI)
	UI Nexya S4 E Cassette 24 (OS-K/SECIH24EI)			UI Nexya S4 E Cassette 48 (OS-K/SECIH48EI)
	A++			A++
			UE Nexya S4 E Commercial 36T (OS-CECITH36EI)	
			UI Nexya S4 E Ceiling 36 (OS-SEFIH36EI)	
			A++	
UE Nexya S5 E Commercial 18 (OS-CANCH18EI)	UE Nexya S5 E Commercial 24 (OS-CANCH24EI)	UE Nexya S5 E Commercial 36 (OS-CANCH36EI)	06/23 UE Nexya S5 E Commercial 36T (OS-CANCHT36EI)	06/23 UE Nexya S5 E Commercial 48T (OS-CANCHT48EI)
UI Nexya S5 E Duct 18 (OS-SANDH18EI)	UI Nexya S5 E Duct 24 (OS-SANDH24EI)	UI Nexya S5 E Duct 36 (OS-SANDH36EI)		06/23 UI Nexya S5 E Duct 48 (OS-SANDH48EI)
A++	A++	A++	A++	A++
UE Nexya S5 E Commercial 18 (OS-CANCH18EI)	UE Nexya S5 E Commercial 24 (OS-CANCH24EI)	UE Nexya S5 E Commercial 36 (OS-CANCH36EI)	06/23 UE Nexya S5 E Commercial 36T (OS-CANCHT36EI)	06/23 UE Nexya S5 E Commercial 48T (OS-CANCHT48EI)
UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI)	UI Nexya S5 E Cassette 24 (OS-K/SANCH24EI)	UI Nexya S5 E Cassette 36 (OS-K/SANCH36EI)		06/23 UI Nexya S5 E Cassette 48 (OS-K/SANCH48EI)
A++	A++	A++	A++	A++
UE Nexya S5 E Commercial 18 (OS-CANCH18EI)	UE Nexya S5 E Commercial 24 (OS-CANCH24EI)	UE Nexya S5 E Commercial 36 (OS-CANCH36EI)	06/23 UE Nexya S5 E Commercial 36T (OS-CANCHT36EI)	06/23 UE Nexya S5 E Commercial 48T (OS-CANCHT48EI)
UI Nexya S5 E Ceiling 18 (OS-SANFH18EI)	UI Nexya S5 E Ceiling 24 (OS-SANFH24EI)	UI Nexya S5 E Ceiling 36 (OS-SANFH36EI)		06/23 UI Nexya S5 E Ceiling 48 (OS-SANFH48EI)
A++	A++	A++	A++	A++

Multi-split air conditioner range

		Dual 14	Dual 18
NEXYA MULTISPLIT Multisplit inverter S4	**Outdoor units**	UE Nexya S4 E Dual inverter 14 (OS-CEMYH14EI)	UE Nexya S4 E Dual Inverter 18 (OS-CEMYH18EI)
	Wall internal units	UI Nexya S4 E inverter 9 (OS-SENEH09EI)	UI Nexya S4 E inverter 9 (OS-SENEH09EI)
		UI Nexya S4 E inverter 12 (OS-SENEH12EI)	UI Nexya S4 E inverter 12 (OS-SENEH12EI)
		UI Alyas E inverter 9 (OS-SECYH09EI)	UI Alyas E inverter 9 (OS-SECYH09EI)
		UI Alyas E inverter 12 (OS-SECYH12EI)	UI Alyas E inverter 12 (OS-SECYH12EI)
	Duct internal units	UI Nexya S4 E Duct 9 (OS-SEDDH09EI)	UI Nexya S4 E Duct 9 (OS-SEDDH09EI)
		UI Nexya S4 E Duct 12 (OS-SEDDH12EI)	UI Nexya S4 E Duct 12 (OS-SEDDH12EI)
	Cassette internal units	UI Nexya S4 E Cassette Compact 9 (OS-K/SECIH09EI)	UI Nexya S4 E Cassette Compact 9 (OS-K/SECIH09EI)
		A++	A++

Download
Technical data sheet for the entire S4 range

NEXYA MULTISPLIT Multisplit inverter NEW	**Outdoor units**	UE Nexya S5 E Dual inverter 14 (OS-CANMH14EI) NEW 09.23	UE Nexya S5 E Dual inverter 18 (OS-CANMH18EI) NEW 06.23
	Wall internal units	UI Nexya S4 E inverter 9 (OS-SENEH09EI)	UI Nexya S4 E inverter 9 (OS-SENEH09EI)
		UI Nexya S4 E inverter 12 (OS-SENEH12EI)	UI Nexya S4 E inverter 12 (OS-SENEH12EI)
		UI Alyas E inverter 9 (OS-SECYH09EI)	UI Alyas E inverter 9 (OS-SECYH09EI)
		UI Alyas S1 E inverter 12 (OS-SAALH12EI) NEW	UI Alyas S1 E inverter 12 (OS-SAALH12EI) NEW
	Duct internal units	UI Nexya S4 E Duct 9 (OS-SEDDH09EI)	UI Nexya S4 E Duct 9 (OS-SEDDH09EI)
		UI Nexya S5 E Duct 12 (OS-SANDH12EI) NEW 06.23	UI Nexya S5 E Duct 12 (OS-SANDH12EI) NEW 06.23
		UI Nexya S5 E Duct 18 (OS-SANDH18EI) NEW	UI Nexya S5 E Duct 18 (OS-SANDH18EI) NEW
	Cassette internal units	UI Nexya S4 E Cassette Compact 9 (OS-K/SECIH09EI)	UI Nexya S4 E Cassette Compact 9 (OS-K/SECIH09EI)
		UI Nexya S5 E Cassette Compact 12 (OS-K/SANCH12EI) NEW	UI Nexya S5 E Cassette Compact 12 (OS-K/SANCH12EI) NEW
		UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI) NEW	UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI) NEW
		A++	A++

Energy efficiency class in cooling depending on the reference operating conditions of each model.
For multi-split units, the energy class listed here refers to the most efficient combination.

Trial 21	Quadri 28	Penta 42
	UE Nexya S4 E Quadri Inverter 28 (OS-CEMYH28EI)	UE Nexya S4 E Penta Inverter 42 (OS-CEMEH42EI)
	UI Nexya S4 E inverter 9 (OS-SENEH09EI)	UI Nexya S4 E inverter 9 (OS-SENEH09EI)
	UI Nexya S4 E inverter 12 (OS-SENEH12EI)	UI Nexya S4 E inverter 12 (OS-SENEH12EI)
	UI Alyas E inverter 9 (OS-SECYH09EI)	UI Alyas E inverter 9 (OS-SECYH09EI)
	UI Alyas E inverter 12 (OS-SECYH12EI)	UI Alyas E inverter 12 (OS-SECYH12EI)
	UI Nexya S4 E Duct 9 (OS-SEDDH09EI)	UI Nexya S4 E Duct 9 (OS-SEDDH09EI)
	UI Nexya S4 E Duct 12 (OS-SEDDH12EI)	UI Nexya S4 E Duct 12 (OS-SEDDH12EI)
	UI Nexya S4 E Cassette Compact 9 (OS-K/SECIH09EI)	UI Nexya S4 E Cassette Compact 9 (OS-K/SECIH09EI)
	A++ R32	A++ R32
UE Nexya S5 E Trial inverter 21 (OS-CANMH21EI) NEW	UE Nexya S4 E Quadri inverter 28 (OS-CEMYH28EI)	UE Nexya S5 E Penta inverter 42 (OS-CANMH42EI) NEW 06.23
UI Nexya S4 E inverter 9 (OS-SENEH09EI)	UI Nexya S4 E inverter 9 (OS-SENEH09EI)	UI Nexya S4 E inverter 9 (OS-SENEH09EI)
UI Nexya S4 E inverter 12 (OS-SENEH12EI)	UI Nexya S4 E inverter 12 (OS-SENEH12EI)	UI Nexya S4 E inverter 12 (OS-SENEH12EI)
UI Alyas E inverter 9 (OS-SECYH09EI)	UI Alyas E inverter 9 (OS-SECYH09EI)	UI Alyas E inverter 9 (OS-SECYH09EI)
UI Alyas S1 E inverter 12 (OS-SAALH12EI) NEW	UI Alyas S1 E inverter 12 (OS-SAALH12EI) NEW	UI Alyas S1 E inverter 12 (OS-SAALH12EI) NEW
UI Nexya S4 E Duct 9 (OS-SEDDH09EI)	UI Nexya S4 E Duct 9 (OS-SEDDH09EI)	UI Nexya S4 E Duct 9 (OS-SEDDH09EI)
UI Nexya S5 E Duct 12 (OS-SANDH12EI) NEW 06.23	UI Nexya S5 E Duct 12 (OS-SANDH12EI) NEW 06.23	UI Nexya S5 E Duct 12 (OS-SANDH12EI) NEW 06.23
UI Nexya S5 E Duct 18 (OS-SANDH18EI) NEW	UI Nexya S5 E Duct 18 (OS-SANDH18EI) NEW	UI Nexya S5 E Duct 18 (OS-SANDH18EI) NEW
UI Nexya S4 E Cassette Compact 9 (OS-K/SECIH09EI)	UI Nexya S4 E Cassette Compact 9 (OS-K/SECIH09EI)	UI Nexya S4 E Cassette Compact 9 (OS-K/SECIH09EI)
UI Nexya S5 E Cassette Compact 12 (OS-K/SANCH12EI) NEW	UI Nexya S5 E Cassette Compact 12 (OS-K/SANCH12EI) NEW	UI Nexya S5 E Cassette Compact 12 (OS-K/SANCH12EI) NEW
UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI) NEW	UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI) NEW	UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI) NEW
A++ R32	A++ R32	A++ R32

NEXYA ENERGY E

Mono-split inverter with high wall in class A+++

HIGH EFFICIENCY

High-performance R32 refrigerant gas with maximum technological efficiency, up to energy class A+++.

STERILISATION AT 56°C

High temperature sterilisation cycles of the evaporator to prevent bacteria from forming and to improve the quality of air.

IONIZER AND AIR QUALITY TECH

The treated air is subjected to an ionising action and purified with anti-dust filters, activated carbon and cold catalytic filters.

WI-FI KIT INCLUDED

To ensure Wi-Fi connection to the air conditioner, simply install the special USB key (included in the package) and download the OS Comfort app.

FEATURES

- High-performance inverter technology
- Coolant gas R32
- Energy efficiency class A+++ in cooling
- Remote control supplied
- Golden Fin treatment on the battery of the outdoor unit, to prevent the corrosive action of atmospheric agents and improve performance efficiency.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Timer, Auto, Eco, Sleep, Silent and Turbo functions**
- **Follow Me function**: precise temperature detection in the point where the remote control is located.
- **Breeze away and Swing functions**: prevents direct air jets and automatically adjusts the air flow (horizontal and vertical)
- **Gear function**: 3 power options (50-75-100%) to optimise energy consumption.
- **Auto-Restart function**: after a power failure, it restarts at the last function set.
- **Auto-Diagnosis function**: in the event of a failure, the display shows the error code.

				Nexya Energy E 9	Nexya Energy E 12
	PRODUCT CODE			OS-C/SEENH09EI	OS-C/SEENH12EI
	EAN CODE			8021183118728	8021183118759
	Output power in cooling mode (min/rated/max)		kW	1,03/2,64/3,23	1,38/3,52/4,31
	Output power in heating mode (min/rated/max)		kW	0,82/2,93/3,37	1,07/3,81/4,38
	Absorbed power in cooling mode (min/rated/max)		kW	0,08/0,63/1,10	0,13/1,01/1,65
	Absorbed power in heating mode (min/rated/max)		kW	0,70/0,65/0,99	0,16/0,98/1,56
	Current consumption in cooling mode (min/rated/max)		A	0,35/2,73/4,78	0,6/4,37/7,2
	Current consumption in heating mode (min/rated/max)		A	0,32/2,83/4,32	0,7/4,24/6,78
	EER			4,2	3,5
	COP			4,5	3,9
	Maximum power consumption in cooling mode		kW	2,20	2,20
	Maximum power consumption in heating mode		kW	2,20	2,20
	Energy efficiency class in cooling			A+++	A+++
	Energy efficiency class in heating mode - Average season			A++	A++
	Energy efficiency class in heating mode - Warmer season			A+++	A+++
	Energy efficiency class in heating mode - Cold season			-	-
	Energy consumption in cooling mode	kWh/year	kWh/year	107	157
	Annual energy consumption in heating mode - Average season	kWh/year	kWh/year	744	797
	Annual energy consumption in heating mode - Warmer season	kWh/year	kWh/year	630	723
	Annual energy consumption in heating mode - Cold season		kWh/year	1891	1984
	Dehumidification capacity		l/h	1,5	1,5
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	2,6	3,5
	Heating / Average	Pdesignh	kW	2,4	2,6
	Heating / Warmer	Pdesignh	kW	2,7	3,1
	Heating / Colder	Pdesignh	kW	3	3,3
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		8,8	8,5
	Heating / Average	SCOP (A)		4,6	4,6
	Heating / Warmer	SCOP (W)		6	6
	Heating / Colder	SCOP (C)		3,5	3,5
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	54	55
	Sound pressure (max/med/min/silence)		dB(A)	37/31/22/-	39/33/22/-
	Air flow rate in cooling mode (max/med/min)		m³/h	510/360/300	520/370/310
	Air flow rate in heating mode (max/med/min)		m³/h	510/360/300	520/370/310
	Degree of protection			/	/
	Dimensions (WxHxD) (without packaging)		mm	835x295x208	835x295x208
	Weight (without packaging)		kg	8,7	8,7
	Dimensions (WxHxD) (with packaging)		mm	905x355x290	905x355x290
	Weight (with packaging)		kg	11,5	11,3
OUTDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	58	61
	Sound pressure		dB(A)	54	54,5
	Air flow rate (max)		m³/h	2150	2200
	Degree of protection			IP24	IP24
	Dimensions (WxHxD) (without packaging)		mm	765x555x303	765x555x303
	Weight (without packaging)		kg	26,7	26,7
	Dimensions (WxHxD) (with packaging)		mm	887x610x337	887x610x337
	Weight (with packaging)		kg	29,1	29,1
COOLING CIRCUIT	Connecting liquid pipeline diameter		inch - mm	1/4" - 6,35	1/4" - 6,35
	Connecting gas pipeline diameter		inch - mm	3/8" - 9,52	3/8" - 9,52
	Maximum piping length		m	25	25
	Maximum height difference		m	10	10
	Covered piping length from pre-load		m	5	5
	Piping recommended minimum length		m	3	3
	Refrigerant increase (over 5 m of pipes)		g/m	12	12
	Maximum operating pressure		MPa	4,3/1,7	4,3/1,7
	Refrigerant gas*	Type	Type	R32	R32
	Global warming potential	GWP		675	675
	Refrigerant gas charge		kg	0,62	0,62
ELECTRICAL CONNECTIONS	Supply voltage indoor unit		V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50
	Supply voltage outdoor unit		V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50
	External unit power supply connection	Pipes		3 x 2,5 mm2	3 x 2,5 mm2
	Indoor - Outdoor unit connection	Pipes		5 x 1,5 mm2	5 x 1,5 mm2
	Max Current		A	10,5	10,5

	LIMITS OF OPERATING CONDITIONS	
Indoor ambient temperature	**Maximum temperature in cooling**	DB 32°C
	Minimum temperature in cooling	DB 16°C
	Maximum temperature in heating	DB 30°C
	Minimum temperature in heating	DB 0°C
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 50°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C
	Minimum temperature in heating	DB -15°C

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice.
*Non-hermetically sealed equipment containing fluorinated gas with GWP equivalent to 675.

NEXYA S4 E

Mono-split inverter with high wall in class A++

HIGH EFFICIENCY

High-performance R32 refrigerant gas with maximum technological efficiency, to reach the energy class A++.

AIR QUALITY TECH

The treated air is purified with anti-dust filters, activated carbon and cold catalytic filters to remove impurities.

SELF CLEAN

Automatically cleans and dries the evaporator, removing dust, mould and grease to ensure clean air in the room.

WI-FI KIT INCLUDED

To ensure Wi-Fi connection to the air conditioner, simply install the special USB key (included in the package) and download the OS Comfort app.

FEATURES

- High-performance inverter technology
- Coolant gas R32
- Energy efficiency class A++ in cooling
- Remote control supplied
- Golden Fin treatment on the battery of the outdoor unit, to prevent the corrosive action of atmospheric agents and improve performance efficiency.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Timer, Auto, Sleep, Silent and Turbo functions**
- **Follow Me function**: precise temperature detection in the point where the remote control is located.
- **Swing function**: oscillation of the flap for better air diffusion in the environment.
- **Auto-Restart function**: after a power failure, it restarts at the last function set.
- **Auto-Diagnosis function**: in the event of a failure, the display shows the error code.

				Nexya S4 E Inverter 9 C	Nexya S4 E Inverter 12 C	Nexya S4 E Inverter 18	Nexya S4 E Inverter 24
	PRODUCT CODE			OS-K/SENEH09EI	OS-K/SENEH12EI	OS-K/SENEH18EI	OS-C/SENEH24EI
	EAN CODE			8021183117462	8021183117479	8021183118803	8021183114911
	Output power in cooling mode (min/rated/max)		kW	0,91/2,64/3,40	1,11/3,40/4,16	3,39/5,27/5,83	2,08/7,03/7,95
	Output power in heating mode (min/rated/max)		kW	0,82/2,93/3,37	1,09/3,68/4,22	3,1/4,97/5,85	1,61/7,33/8,79
	Absorbed power in cooling mode (min/rated/max)		kW	0,10/0,73/1,24	0,13/1,04/1,58	0,56/1,55/2,05	0,16/2,35/2,9
	Absorbed power in heating mode (min/rated/max)		kW	0,12/0,73/1,20	0,10/0,99/1,68	0,78/1,298/2	0,26/2,04/3,1
	Current consumption in cooling mode (min/rated/max)		A	0,40/3,20/5,40	0,5/4,56/6,9	2,4/6,7/8,9	0,7/10,2/13,3
	Current consumption in heating mode (min/rated/max)		A	0,50/3,20/5,20	0,4/4,35/6,9	3,4/5,64/8,7	1,1/10,2/13,3
	EER			3,60	3,28	3,4	3,00
	COP			4,00	3,72	3,83	3,60
	Maximum power consumption in cooling mode		kW	2,15	2,15	2,50	3,85
	Maximum power consumption in heating mode		kW	2,15	2,15	2,50	3,85
	Energy efficiency class in cooling			A++	A++	A++	A++
	Energy efficiency class in heating mode - Average season			A+	A+	A+	A+
	Energy efficiency class in heating mode - Warmer season			A+++	A+++	A+++	A++
	Energy efficiency class in heating mode - Cold season			-	-	-	-
	Energy consumption in cooling mode	kWh/year	kWh/year	156	211	247	412
	Annual energy consumption in heating mode - Average season	kWh/year	kWh/year	910	945	1435	1697
	Annual energy consumption in heating mode - Warmer season	kWh/year	kWh/year	714	706	1208	1784
	Annual energy consumption in heating mode - Cold season	kWh/year	kWh/year	-	-	-	-
	Dehumidification capacity		l/h	1	1,2	1,6	1,0
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	2,8	3,6	5,2	7,2
	Heating / Average	Pdesignh	kW	2,6	2,7	4,1	4,9
	Heating / Warmer	Pdesignh	kW	2,6	2,5	4,4	6,4
	Heating / Colder	Pdesignh	kW	-	-	-	-
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,3	6,1	7,4	6,1
	Heating / Average	SCOP (A)		4,0	4,0	4	4,0
	Heating / Warmer	SCOP (W)		5,1	5,1	5,1	5,1
	Heating / Colder	SCOP (C)		-	-	-	-
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	54	55	56	59
	Sound pressure (max/med/min/silence)		dB(A)	39/32/25/-	41/35/25/-	42/36/26/-	44,5/42/34,5/28
	Air flow rate in cooling mode (max/med/min)		m³/h	466/360/325	547/430/314	840/680/540	980/817/662
	Air flow rate in heating mode (max/med/min)		m³/h	466/360/325	625/430/314	840/680/540	980/817/662
	Degree of protection			IPX0	IPX0	IPX0	IPX0
	Dimensions (WxHxD) (without packaging)		mm	805x285x194	805x285x194	957x302x213	1040x327x220
	Weight (without packaging)		kg	7,6	7,6	10	12,3
	Dimensions (WxHxD) (with packaging)		mm	870x365x270	870x365x270	1035x385x295	1120x405x310
	Weight (with packaging)		kg	9,7	9,8	13,0	15,8
OUTDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	62	63	63	67
	Sound pressure		dB(A)	55,5	56	56	59,5
	Air flow rate (max)		m³/h	1750	1800	2100	3000
	Degree of protection			IP24	IP24	IPX4	IP24
	Dimensions (WxHxD) (without packaging)		mm	720x495x270	720x495x270	805x554x330	845x702x363
	Weight (without packaging)		kg	23,2	23,2	32,7	51,5
	Dimensions (WxHxD) (with packaging)		mm	835x540x300	835x540x300	915x615x370	965x765x395
	Weight (with packaging)		kg	25,0	25,0	35,4	54,5
COOLING CIRCUIT	Connecting liquid pipeline diameter		inch - mm	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	3/8" - 9,52
	Connecting gas pipeline diameter		inch - mm	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7	5/8" - 15,9
	Maximum piping length		m	25	25	30	50
	Maximum height difference		m	10	10	20	25
	Covered piping length from pre-load		m	5	5	5	5
	Piping recommended minimum length		m	3	3	3	3
	Refrigerant increase (over 5 m of pipes)		g/m	12	12	12	24
	Maximum operating pressure		MPa	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Refrigerant gas*	Type	Type	R32	R32	R32	R32
	Global warming potential	GWP		675	675	675	675
	Refrigerant gas charge		kg	0,55	0,55	1,08	1,60
ELECTRICAL CONNECTIONS	Supply voltage indoor unit		V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
	Supply voltage outdoor unit		V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
	External unit power supply connection	Pipes		3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2
	Indoor - Outdoor unit connection	Pipes		5 x 1,5 mm2	5 x 1,5 mm2	5 x 1,5 mm2	5 x 2,5 mm2
	Max Current		A	10,0	10,0	13,0	17,5

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	**Maximum temperature in cooling**	DB 32°C	DB 32°C	DB 32°C	DB 32°C - WB 26°C
	Minimum temperature in cooling	DB 17°C	DB 17°C	DB 17°C	DB 17°C
	Maximum temperature in heating	DB 30°C	DB 30°C	DB 30°C	DB 27°C
	Minimum temperature in heating	DB 0°C	DB 0°C	DB 0°C	DB 17°C
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C	DB 43°C	DB 50°C	DB 43°C - WB 32°C
	Minimum temperature in cooling	-	-	-	-
	Maximum temperature in heating	DB 30°C	DB 30°C	DB 30°C	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -15°C	DB -15°C	DB -15°C	DB -15°C

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice.
*Non-hermetically sealed equipment containing fluorinated gas with GWP equivalent to 675.

ALYAS PRO E

Mono-split inverter with high wall for cold climates

HIGH EFFICIENCY

High-performance R32 refrigerant gas with maximum technological efficiency, up to energy class A+++.

HIGH PERFORMANCE IN COLD CLIMATES

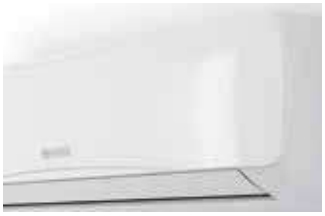
For heating in the coldest climatic zones, it performs better than common splitters and the external unit is fitted with an additional electric heating element.

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).

WI-FI KIT INCLUDED

To ensure Wi-Fi connection to the air conditioner, simply install the special USB key (included in the package) and download the OS Comfort app.



FEATURES

- High-performance inverter technology
- Coolant gas R32
- Energy efficiency class up to A+++ in cooling
- Remote control supplied
- Golden Fin treatment on the battery of the outdoor unit, to prevent the corrosive action of atmospheric agents and improve performance efficiency.
- Outdoor unit equipped with an additional electric heater with defrosting function.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Timer, Auto, Eco, Sleep, Silent and Turbo functions**
- **Follow Me function:** the remote control thermostat allows correct temperature control where the occupants are present in the room.
- **Swing function:** oscillation of the flap for better air diffusion in the environment.
- **Auto-Restart function**: after a power failure, it restarts at the last function set.
- **Auto-Diagnosis function:** in the event of a failure, the display shows the error code.

				Alyas Pro E Inverter 9
	PRODUCT CODE			OS-C/SENOH09EI
	EAN CODE			8021183115857
	Output power in cooling mode (min/rated/max)		kW	0,91/2,64/4,40
	Output power in heating mode (min/rated/max)		kW	0,79/2,86/6,30
	Absorbed power in cooling mode (min/rated/max)		kW	0,05/0,60/1,55
	Absorbed power in heating mode (min/rated/max)		kW	0,14/0,65/2,10
	Current consumption in cooling mode (min/rated/max)		A	0,5/4,0/7,0
	Current consumption in heating mode (min/rated/max)		A	1,0/4,22/9,2
	EER			4,40
	COP			4,41
	Maximum power consumption in cooling mode		kW	2,35
	Maximum power consumption in heating mode		kW	2,35
	Energy efficiency class in cooling			A+++
	Energy efficiency class in heating mode - Average season			A++
	Energy efficiency class in heating mode - Warmer season			A+++
	Energy efficiency class in heating mode - Cold season			A
	Energy consumption in cooling mode		kWh/year	111
	Annual energy consumption in heating mode - Average season		kWh/year	792
	Annual energy consumption in heating mode - Warmer season		kWh/year	762
	Annual energy consumption in heating mode - Cold season		kWh/year	2156
	Dehumidification capacity		l/h	1,0
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	2,7
	Heating / Average	Pdesignh	kW	2,6
	Heating / Warmer	Pdesignh	kW	2,7
	Heating / Colder	Pdesignh	kW	3,9
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER	kW	8,5
	Heating / Average	SCOP (A)		4,6
	Heating / Warmer	SCOP (W)		5,1
	Heating / Colder	SCOP (C)		3,8
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	56
	Sound pressure (max/med/min/silence)		dB(A)	42/35/25/21,5
	Air flow rate in cooling mode (max/med/min)		m³/h	611/479/360
	Air flow rate in heating mode (max/med/min)		m³/h	611/479/360
	Degree of protection			IPX0
	Dimensions (WxHxD) (without packaging)		mm	802x297x189
	Weight (without packaging)		kg	8,5
	Dimensions (WxHxD) (with packaging)		mm	875x375x285
	Weight (with packaging)		kg	11,1
OUTDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	64
	Sound pressure		dB(A)	55,5
	Air flow rate (max)		m³/h	2000
	Degree of protection			IP24
	Dimensions (WxHxD) (without packaging)		mm	800x554x333
	Weight (without packaging)		kg	34,7
	Dimensions (WxHxD) (with packaging)		mm	920x615x390
	Weight (with packaging)		kg	37,5
COOLING CIRCUIT	Connecting liquid pipeline diameter		inch - mm	1/4" - 6,35
	Connecting gas pipeline diameter		inch - mm	3/8" - 9,52
	Maximum piping length		m	25
	Maximum height difference		m	10
	Covered piping length from pre-load		m	5
	Piping recommended minimum length		m	3
	Refrigerant increase (over 5 m of pipes)		g/m	12
	Maximum operating pressure		MPa	4,3/1,7
	Refrigerant gas*	Type	Type	R32
	Global warming potential	GWP		675
	Refrigerant gas charge		kg	0,87
ELECTRICAL CONNECTIONS	Supply voltage indoor unit		V/F/Hz	220-240 / 1 / 50
	Supply voltage outdoor unit		V/F/Hz	220-240 / 1 / 50
	External unit power supply connection	Pipes		3 x 1,5 mm2
	Indoor - Outdoor unit connection	Pipes		5 x 1,5 mm2
	Max Current		A	10,0

	LIMITS OF OPERATING CONDITIONS	
Indoor ambient temperature	**Maximum temperature in cooling**	DB 32°C
	Minimum temperature in cooling	DB 17°C
	Maximum temperature in heating	DB 30°C
	Minimum temperature in heating	DB 0°C
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 30°C
	Minimum temperature in heating	DB -22°C

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice.
*Non-hermetically sealed equipment containing fluorinated gas with GWP equivalent to 675.

NEW

NEXYA S5 E DUCT

Inverter mono-split air conditioners ducted for large rooms

HIGH HEAD

Ducted indoor unit with static pressure available up to 160 Pa.

SLIM DESIGN

The range is characterised by its small dimensions (Height from 210 mm)

AUTOMATIC SETTING OF THE AIR FLOW RATE

In order to automatically adapt the system depending on the ducts connected to the unit.

DIGITAL DISPLAY

Display on the outside of the internal unit to guaranteed he best signal reception from the remote control.

FEATURES

Energy-efficient inverter technology with low-GWP R32 refrigerant gas.
Optimum performance and high efficiency at low airflow resulting in reduced noise.
Automatic air flow rate setting
Innovative automatic air flow setting function, so that the system automatically adapts according to the ducting connected to the unit.
Reversible air intake
The air intake duct can be moved from the rear of the product (standard configuration) to the bottom, replacing it with a sheet metal panel. This makes the product suitable for all installation conditions.
Fresh air inlet
The internal units of the commercial line are fitted with specific air inlets to introduce fresh or outdoor air into the product.
Condensate lift pump
The internal units are fitted with a condensate pump.
Remote ON-OFF
All units in the commercial line are fitted with terminals to control the remote switching on and off of the unit via an external device.
Contact alarm
The units in the commercial line have a contact that allows the alarm status of the product to be synchronised with an external device.
Hydrophilic Aluminium coating
Suitable for installation in coastal or particularly humid areas, thanks to its excellent anti-corrosion properties. With equivalent environmental conditions, the new coating of the condensers guarantees a durability that is 7 times greater that of the traditional models.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Auto, Sleep and Turbo functions**
- **24h timer**: for scheduling switch on and off.
- **Follow Me function**: precise temperature detection at the remote control location.
- **Gear function**: 3 power options (50-75-100%) to optimise energy consumption.
- **Short cut function**: to automatically return to the previous settings.

				Nexya S5 E Duct 18	Nexya S5 E Duct 24	Nexya S5 E Duct 36	Nexya S5 E Duct 36T	Nexya S5 E Duct 48T
	INDOOR UNIT CODE			OS-SANDH18EI	OS-SANDH24EI	OS-SANDH36EI	OS-SANDH36EI	OS-SANDH48EI
	INDOOR UNIT EAN CODE			8021183119152	8021183119169	8021183119176	8021183119176	8021183119183
	OUTDOOR UNIT CODE			OS-CANCH18EI	OS-CANCH24EI	OS-CANCH36EI	OS-CANCHT36EI	OS-CANCHT48EI
	OUTDOOR UNIT EAN CODE			8021183119053	8021183119060	8021183119077	8021183119084	8021183119091
	Output power in cooling mode (min/rated/max)		kW	2,55/5,275/5,86	3,28/7,034/8,16	2,75/9,958/11,14	2,73/9,974/11,78	3,52/14,07/15,53
	Output power in heating mode (min/rated/max)		kW	2,20/5,569/6,15	2,81/7,62/8,49	2,78/11,723/12,78	2,78/11,245/12,84	4,1/16,12/18,17
	Absorbed power in cooling mode (min/rated/max)		kW	0,71/1,53/2,15	0,75/2,178/2,96	0,9/3,041/4,15	0,89/3,04/4,2	0,88/4,8/6
	Absorbed power in heating mode (min/rated/max)		kW	0,74/1,501/1,76	0,64/1,9/2,58	0,8/3,16/3,95	0,78/2,877/4	0,95/4,5/5,7
	Current consumption in cooling mode (min/rated/max)		A	3,2/7,1/9,56	4,2/10,2/13,2	4,2/17,5/18,5	1,4/6,5/6,7	1,9/8,4/10,4
	Current consumption in heating mode (min/rated/max)		A	3,3/6,8/7,7	3,8/9,2/11,6	3,5/14,5/17,5	1,3/5,3/6,4	2/8/9,8
	EER			3,45	3,23	3,27	3,28	2,93
	COP			3,71	4,01	3,71	3,91	3,58
	Maximum power consumption in cooling mode		kW	2,95	3,7	5	5	6,9
	Maximum power consumption in heating mode		kW	2,95	3,7	5	5	6,9
	Energy efficiency class in cooling			A++	A++	A++	A++	A++
	Energy efficiency class in heating mode - Average season			A+	A+	A+	A+	A+
	Energy efficiency class in heating mode - Warmer season			A+++	A+++	A+++	A+++	A++
	Energy efficiency class in heating mode - Cold season			/	/	/	/	/
	Energy consumption in cooling mode	kWh/year	kWh/year	291	401	593	608	811
	Annual energy consumption in heating mode - Average season	kWh/year	kWh/year	1505	1890	2940	3080	4025
	Annual energy consumption in heating mode - Warmer season	kWh/year	kWh/year	1434	1647	2690	2745	3220
	Annual energy consumption in heating mode - Cold season		kWh/year	/	/	/	/	/
	Dehumidification capacity		l/h	1,8	2,7	2,7	2,7	2,7
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	5,4	7,1	10,5	10,6	14
	Heating / Average	Pdesignh	kW	4,3	5,4	8,4	8,8	11,5
	Heating / Warmer	Pdesignh	kW	5,2	6	9,8	10	11,5
	Heating / Colder	Pdesignh	kW	/	/	/	/	/
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,5	6,2	6,2	6,1	6,1
	Heating / Average	SCOP (A)		4	4	4	4	4
	Heating / Warmer	SCOP (W)		5,1	5,1	5,1	5,1	5
	Heating / Colder	SCOP (C)		/	/	/	/	/
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	58	61	61	61	66
	Sound pressure (max/med/min/silence)		dB(A)	41/38/34/26	42/40/37/27	49/48/46/42	49/48/46/42	50/49/47/42
	Air flow rate in cooling mode (max/med/min)		m³/h	911-706-515	1229-1035-825	2100-1800-1500	2100-1800-1500	2400-2040-1680
	Air flow rate in heating mode (max/med/min)		m³/h	911-706-515	1229-1035-825	2100-1800-1500	2100-1800-1500	2400-2040-1680
			Pa	25	25	37	37	50
	Fan pressure adjustment field		Pa	0-100	0-160	0-160	0-160	0-160
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	880x210x674	1100x249x774	1360x249x774	1360x249x774	1200x300x874
	Weight (without packaging)		kg	24,4	32,3	40,5	40,5	47,6
	Dimensions (WxHxD) (with packaging)		mm	1070x280x725	1305x315x805	1570x330x805	1570x330x805	1405x365x915
	Weight (with packaging)		kg	29,6	39,1	48,2	48,2	55,8
OUTDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	65	67	70	70	73
	Sound pressure		dB(A)	56	60	63	63	63
	Air flow rate (max)		m³/h	2100	3500	4000	4000	7500
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	805x554x330	890x673x342	946x810x410	946x810x410	952x1333x415
	Weight (without packaging)		kg	32,5	43,9	66,9	80,5	103,7
	Dimensions (WxHxD) (with packaging)		mm	915x615x370	995x740x398	1090x885x500	1090x885x500	1095x1480x495
	Weight (with packaging)		kg	35,2	46,9	71,5	85	118,3
COOLING CIRCUIT	Connecting liquid pipeline diameter		inch - mm	1/4" - 6,35	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52
	Connecting gas pipeline diameter		inch - mm	1/2" - 12,7	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9
	Maximum piping length		m	30	50	75	75	75
	Maximum height difference		m	20	25	30	30	30
	Covered piping length from pre-load		m	5	5	5	5	5
	Piping recommended minimum length		m	3	3	3	3	3
	Refrigerant increase (over 5 m of pipes)		g/m	12	24	24	24	24
	Maximum operating pressure		MPa	4,3-1,7	4,3-1,7	4,3-1,7	4,3-1,7	4,3-1,7
	Refrigerant gas*	Type	Type	R32	R32	R32	R32	R32
	Global warming potential	GWP		675	675	675	675	675
	Refrigerant gas charge		kg	1,15	1,5	2,4	2,4	2,9
ELECTRICAL CONNECTIONS	Supply voltage indoor unit		V/F/Hz	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50
	Supply voltage outdoor unit		V/F/Hz	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	Three-phase 380-415/3/50	Three-phase 380-415/3/50
	External unit power supply connection	Pipes		3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2
	Indoor - Outdoor unit connection	Pipes		4 x 1 mm2	4 x 1 mm2	4 x 1 mm2	4 x 1 mm2	4 x 1 mm2
	Max Current		A	13,5	19	22,5	10	13

	LIMITS OF OPERATING CONDITIONS	
Indoor ambient temperature	**Maximum temperature in cooling**	DB 32°C
	Minimum temperature in cooling	DB 17°C
	Maximum temperature in heating	DB 30°C
	Minimum temperature in heating	DB 0°C
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 50°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C
	Minimum temperature in heating	DB -15°C

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice.
The sound pressure values are measured under the following conditions: in semi-anechoic chamber, unit positioned in a free space, measuring device positioned 1.5 metres below the internal unit to which standard ducting of 2 metres (supply) and 1 metre (return) are attached.
The sound pressure values of the external units are at the following conditions: in a semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1 metre (external unit).
*Non-hermetically sealed equipment containing fluorinated gases with GWP equivalent of 675.

NEW

NEXYA S5 E CASSETTE

False ceiling-mounted inverter mono-split air conditioners ducted for large rooms

HIGH EFFICIENCY

High-performance R32 refrigerant gas with maximum technological efficiency, to reach the energy class A++.

DECORATIVE PANEL

Equipped with a digital display, it has vents for the ejection of air even at the corners. For greater climate comfort.

COMPACT DESIGN

Reduced dimensions up to 600x600, in the compact version.

INDEPENDENT BLADE CONTROL

Independent flap control for greater climate comfort, in sizes from 24 up to 48.

FEATURES

Two models
Compact cassettes (with slimline width and length dimensions of only 600x600 mm) and cassettes (with width and length dimensions of more than 600x600 mm and slimline height from 245 mm).

Fresh air inlet
The internal units of the commercial line are fitted with specific air inlets to introduce fresh or outdoor air into the product.

Condensate lift pump
The internal units are fitted with a condensate pump.

Remote ON-OFF
All units in the commercial line are fitted with terminals to control the remote switching on and off of the unit via an external device.

Contact alarm
The units in the commercial line have a contact that allows the alarm status of the product to be synchronised with an external device.

Hydrophilic Aluminium coating
Suitable for installation in coastal or particularly humid areas, thanks to its excellent anti-corrosion properties. With equivalent environmental conditions, the new coating of the condensers guarantees them a longevity exceeding 7 times that of the traditional models.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Auto, Co, Sleep, Silent and Turbo functions**
- **24h timer**: for scheduling switch on and off.
- **Follow Me function**: precise temperature detection at the remote control location.
- **Gear function**: 3 power options (50-75-100%) to optimise energy consumption.
- **Short cut function**: to automatically return to the previous settings.
- **Anti dust filter**: to capture dust and pollen.
- **Self-Clean function**: automatically cleans and dries the evaporator eliminating dust, mould and grease to ensure clean air in the room.

				Nexya S5 E Cassette Compact 18	Nexya S5 E Cassette 24	Nexya S5 E Cassette 36	Nexya S5 E Cassette 36T	Nexya S5 E Cassette 48T
	INDOOR UNIT CODE			OS-K/SANCH18EI	OS-K/SANCH24EI	OS-K/SANCH36EI	OS-K/SANCH36EI	OS-K/SANCH48EI
	INDOOR UNIT EAN CODE			8021183119336	8021183119343	8021183119350	8021183119350	8021183119367
	OUTDOOR UNIT CODE			OS-CANCH18EI	OS-CANCH24EI	OS-CANCH36EI	OS-CANCHT36EI	OS-CANCHT48EI
	OUTDOOR UNIT EAN CODE			8021183119053	8021183119060	8021183119077	8021183119084	8021183119091
	Output power in cooling mode (min/rated/max)		kW	2,9/5,28/5,59	3,3/6,155/7,91	2,7/9,952/11,43	2,7/10,01/11,43	3,52-14,07-15,83
	Output power in heating mode (min/rated/max)		kW	2,37/5,18/6,10	2,81/7,62/8,94	2,78/11,137/12,3	2,78/11,137/12,66	4,1-16,12-17,29
	Absorbed power in cooling mode (min/rated/max)		kW	0,72/1,633/2,088	0,78/1,876/2,748	0,9/2,989/4,2	0,89/3,044/4,15	0,8-4,65-5,9
	Absorbed power in heating mode (min/rated/max)		kW	0,7/1,38/1,93	0,61/1,9/2,7	0,8/3/3,95	0,78/3/4	0,9-4,58-5,5
	Current consumption in cooling mode (min/rated/max)		A	3,2/7,2/9,2	4,2/10,2/12	4,2/17,5/18,5	1,4/6,5/6,5	1,8-8,1-10,2
	Current consumption in heating mode (min/rated/max)		A	3,1/6,8/8,5	3,6/8,5/12,1	3,5/13,5/17,5	1,3/5/6,4	1,9-8-9,5
	EER			3,23	3,28	3,33	3,29	3,03
	COP			3,75	4,01	3,71	3,71	3,52
	Maximum power consumption in cooling mode		kW	2,95	3,7	5	5	6,9
	Maximum power consumption in heating mode		kW	2,95	3,7	5	5	6,9
	Energy efficiency class in cooling			A++	A++	A++	A++	A++
	Energy efficiency class in heating mode - Average season			A+	A+	A+	A+	A+
	Energy efficiency class in heating mode - Warmer season			A++	A+++	A+++	A+++	A++
	Energy efficiency class in heating mode - Cold season			/	/	/	/	/
	Energy consumption in cooling mode	kWh/year	kWh/year	294	395	549	589	810
	Annual energy consumption in heating mode - Average season	kWh/year	kWh/year	1470	2100	2975	2870	3860
	Annual energy consumption in heating mode - Warmer season	kWh/year	kWh/year	1575	1729	2773	2773	3360
	Annual energy consumption in heating mode - Cold season		kWh/year	/	/	/	/	/
	Dehumidification capacity		l/h	1,8	2,7	2,7	2,7	2,7
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	5,3	7	10,5	10,5	14
	Heating / Average	Pdesignh	kW	4,2	6	8,5	8,2	11
	Heating / Warmer	Pdesignh	kW	5,4	6,3	10,1	10,1	12
	Heating / Colder	Pdesignh	kW	/	/	/	/	/
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,3	6,2	6,7	6,4	6,1
	Heating / Average	SCOP (A)		4	4	4	4	4
	Heating / Warmer	SCOP (W)		4,8	5,1	5,1	5,1	5
	Heating / Colder	SCOP (C)		/	/	/	/	/
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	57	57	63	63	65
	Sound pressure (max/med/min/silence)		dB(A)	43/39/35/-	45/42/39/-	50/47/44/-	50/47/44/-	51/48/46/-
	Air flow rate in cooling mode (max/med/min)		m³/h	720-620-500	1300-1140-1000	1700-1550-1380	1800-1600-1400	1970-1780-1580
	Air flow rate in heating mode (max/med/min)		m³/h	720-620-500	1300-1140-1000	1700-1550-1380	1800-1600-1400	1970-1780-1580
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	570x260x570	830x205x830	830x245x830	830x245x830	830x287x830
	Weight (without packaging)		kg	16	21,6	27,2	27,2	29,3
	Dimensions (WxHxD) (with packaging)		mm	662x317x662	910x250x910	910x290x910	910x290x910	910x330x910
	Weight (with packaging)		kg	20,6	25,4	31,2	31,2	33,5
OUTDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	63	67	70	70	73
	Sound pressure		dB(A)	59	60	63	63	64
	Air flow rate (max)		m³/h	2100	3500	4000	4000	7500
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	805x554x330	890x673x342	946x810x410	946x810x410	952x1333x415
	Weight (without packaging)		kg	32,5	43,9	66,9	80,5	103,7
	Dimensions (WxHxD) (with packaging)		mm	915x615x370	995x740x398	1090x885x500	1090x885x500	1095x1480x495
	Weight (with packaging)		kg	35,2	46,9	71,5	85	118,3
DECORATIVE PANEL	Dimensions (WxHxD) (without packaging)		mm	647x50x647	950x55x950	950x55x950	950x55x950	950x55x950
	Weight (without packaging)		kg	2,5	6,0	6,0	6,0	6,0
	Dimensions (WxHxD) (with packaging)		mm	715x123x715	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Weight (with packaging)		kg	4,5	9,0	9,0	9,0	9,0
COOLING CIRCUIT	Connecting liquid pipeline diameter		inch - mm	1/4" - 6,35	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52
	Connecting gas pipeline diameter		inch - mm	1/2" - 12,7	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9
	Maximum piping length		m	30	50	75	75	75
	Maximum height difference		m	20	25	30	30	30
	Covered piping length from pre-load		m	5	5	5	5	5
	Piping recommended minimum length		m	3	3	3	3	3
	Refrigerant increase (over 5 m of pipes)		g/m	12	24	24	24	24
	Maximum operating pressure		MPa	4,3-1,7	4,3-1,7	4,3-1,7	4,3-1,7	4,3-1,7
	Refrigerant gas*	Type	Type	R32	R32	R32	R32	R32
	Global warming potential	GWP		675	675	675	675	675
	Refrigerant gas charge		kg	1,15	1,5	2,4	2,4	2,9
ELECTRICAL CONNECTIONS	Supply voltage indoor unit		V/F/Hz	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50
	Supply voltage outdoor unit		V/F/Hz	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	Three-phase 380-415/3/50	Three-phase 380-415/3/50
	External unit power supply connection	Pipes		3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2
	Indoor - Outdoor unit connection	Pipes		4 x 1 mm2	4 x 1,5 mm2	4 x 1,5 mm2	4 x 1,5 mm2	4 x 1,5 mm2
	Max Current		A	13,5	19	22,5	10	13
	LIMITS OF OPERATING CONDITIONS							
Indoor ambient temperature	**Maximum temperature in cooling**			DB 32°C				
	Minimum temperature in cooling			DB 17°C				
	Maximum temperature in heating			DB 30°C				
	Minimum temperature in heating			DB 0°C				
Outdoor ambient temperature	**Maximum temperature in cooling**			DB 50°C				
	Minimum temperature in cooling			-				
	Maximum temperature in heating			DB 24°C				
	Minimum temperature in heating			DB -15°C				

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice.
The sound pressure values are at the following conditions: in semi-anechoic chamber, unit positioned in a free space, measuring device positioned 1.4 metres below the internal unit.
The sound pressure values of the external units are at the following conditions: in a semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1 metre (external unit).
*Non-hermetically sealed equipment containing fluorinated gases with GWP equivalent of 675.

NEW

NEXYA S5 E CEILING

Energy efficient inverter air conditioners.

HIGH EFFICIENCY

High-performance R32 refrigerant gas with maximum technological efficiency, to reach the energy class A++.

FEATURES

Energy-efficient inverter technology with low-GWP R32 refrigerant gas.

Remote ON-OFF

All units in the commercial line are fitted with terminals to control the remote switching on and off of the unit via an external device.

Alarm contact

The units in the commercial line have a contact that allows the alarm status of the product to be synchronised with an external device.

Hydrophilic Aluminium coating

Suitable for installation in coastal or particularly humid areas, thanks to its excellent anti-corrosion properties. With equivalent environmental conditions, the new coating of the condensers guarantees them a longevity exceeding 7 times that of the traditional models.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Auto, Co, Sleep, Silent and Turbo functions**
- **24h timer**: for scheduling switch on and off.
- **Swing function**: automatically regulates the air flow (horizontal and vertical)
- **Follow Me function**: precise temperature detection at the remote control location.
- **Gear function**: 3 power options (50-75-100%) to optimise energy consumption.
- **Short cut function**: to automatically return to the previous settings.
- **Anti dust filter**: to capture dust and pollen.
- **Self-Clean function**: automatically cleans and dries the evaporator eliminating dust, mould and grease to ensure clean air in the room.

				Nexya S5 E Ceiling 18	Nexya S5 E Ceiling 24	Nexya S5 E Ceiling 36	Nexya S5 E Ceiling 36T	Nexya S5 E Ceiling 48T
	INDOOR UNIT CODE			OS-SANFH18EI	OS-SANFH24EI	OS-SANFH36EI	OS-SANFH36EI	OS-SANFH48EI
	INDOOR UNIT EAN CODE			8021183119190	8021183119206	8021183119213	8021183119213	8021183119220
	OUTDOOR UNIT CODE			OS-CANCH18EI	OS-CANCH24EI	OS-CANCH36EI	OS-CANCHT36EI	OS-CANCHT48EI
	OUTDOOR UNIT EAN CODE			8021183119053	8021183119060	8021183119077	8021183119084	8021183119091
	Output power in cooling mode (min/rated/max)		kW	2,71/5,275/5,86	3,22/6,804/7,77	2,73/10,109/11,43	2,73/10,092/11,78	3,52/14,07/15,24
	Output power in heating mode (min/rated/max)		kW	2,42/5,569/6,30	2,72/7,62/8,29	2,78/11,723/12,78	2,81/11,714/12,78	4,1/16,12/17
	Absorbed power in cooling mode (min/rated/max)		kW	0,67/1,45/2,03	0,747/2,062/2,93	0,9/3,058/4,25	0,89/3,103/4,3	0,9/5/5,95
	Absorbed power in heating mode (min/rated/max)		kW	0,54/1,5/1,64	0,65/2,05/2,85	0,8/3,16/3,95	0,78/3,085/3,95	1/5,1/6,05
	Current consumption in cooling mode (min/rated/max)		A	3,2/6/9	3,9/10,54/13,1	4,2/17/19	1,4/6,3/6,8	1,9/8,8/10,3
	Current consumption in heating mode (min/rated/max)		A	2,7/6,6/7,3	3,5/9,5/12,7	3,5/15/17,5	1,3/5,4/6,2	2,1/8,9/10,5
	EER			3,64	3,3	3,31	3,25	2,81
	COP			3,71	3,72	3,71	3,8	3,16
	Maximum power consumption in cooling mode		kW	2,95	3,7	5	5	6,9
	Maximum power consumption in heating mode		kW	2,95	3,7	5	5	6,9
	Energy efficiency class in cooling			A++	A++	A++	A++	A++
	Energy efficiency class in heating mode - Average season			A+	A+	A+	A+	A+
	Energy efficiency class in heating mode - Warmer season			A+++	A+++	A+++	A+++	A+++
	Energy efficiency class in heating mode - Cold season			/	/	/	/	/
	Energy consumption in cooling mode	kWh/year	kWh/year	305	413	574	592	809
	Annual energy consumption in heating mode - Average season	kWh/year	kWh/year	1400	1925	2937	3010	4079
	Annual energy consumption in heating mode - Warmer season	kWh/year	kWh/year	1400	1592	2800	2745	3211
	Annual energy consumption in heating mode - Cold season		kWh/year	/	/	/	/	/
	Dehumidification capacity		l/h	1,8	2,7	2,7	2,7	2,7
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	5,4	7,2	10,5	10,5	14
	Heating / Average	Pdesignh	kW	4	5,5	8,6	8,6	11,2
	Heating / Warmer	Pdesignh	kW	5,1	5,8	10,2	10	11,7
	Heating / Colder	Pdesignh	kW	/	/	/	/	/
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,2	6,1	6,2	6,2	6,1
	Heating / Average	SCOP (A)		4	4	4	4	4
	Heating / Warmer	SCOP (W)		5,1	5,1	5,1	5,1	5,1
	Heating / Colder	SCOP (C)		/	/	/	/	/
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	57	55	64	64	67
	Sound pressure (max/med/min/silence)		dB(A)	43/41/36/-	49/46/43/-	50/48/44/-	50/47/44/-	53/50/45/-
	Air flow rate in cooling mode (max/med/min)		m³/h	958-839-723	1192-1023-853	1955-1728-1504	1955-1728-1504	2100-1850-1600
	Air flow rate in heating mode (max/med/min)		m³/h	958-839-723	1192-1023-853	1955-1728-1504	1955-1728-1504	2100-1850-1600
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	1068x235x675	1068x235x675	1650x235x675	1650x235x675	1650x235x675
	Weight (without packaging)		kg	28,0	28,0	41,5	41,5	41,7
	Dimensions (WxHxD) (with packaging)		mm	1145x318x755	1145x318x755	1725x318x755	1725x318x755	1725x318x755
	Weight (with packaging)		kg	33,3	33,1	48	48,0	48,5
OUTDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	65	66	68	70	73
	Sound pressure		dB(A)	59	60	63	63	64
	Air flow rate (max)		m³/h	2100	3500	4000	4000	7500
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	805x554x330	890x673x342	946x810x410	946x810x410	952x1333x415
	Weight (without packaging)		kg	32,5	43,9	66,9	80,5	103,7
	Dimensions (WxHxD) (with packaging)		mm	915x615x370	995x740x398	1090x885x500	1090x885x500	1095x1480x495
	Weight (with packaging)		kg	35,2	46,9	71,5	85,0	118,3
COOLING CIRCUIT	Connecting liquid pipeline diameter		inch - mm	1/4" - 6,35	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52
	Connecting gas pipeline diameter		inch - mm	1/2" - 12,7	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9
	Maximum piping length		m	30	50	75	75	75
	Maximum height difference		m	20	25	30	30	30
	Covered piping length from pre-load		m	5	5	5	5	5
	Piping recommended minimum length		m	3	3	3	3	3
	Refrigerant increase (over 5 m of pipes)		g/m	12	24	24	24	24
	Maximum operating pressure		MPa	4,3-1,7	4,3-1,7	4,3-1,7	4,3-1,7	4,3-1,7
	Refrigerant gas*	Type	Type	R32	R32	R32	R32	R32
	Global warming potential	GWP		675	675	675	675	675
	Refrigerant gas charge		kg	1,15	1,5	2,4	2,4	2,9
ELECTRICAL CONNECTIONS	Supply voltage indoor unit		V/F/Hz	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50
	Supply voltage outdoor unit		V/F/Hz	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	Three-phase 380-415/3/50	Three-phase 380-415/3/50
	External unit power supply connection	Pipes		3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2	3 x 2,5 mm2
	Indoor - Outdoor unit connection	Pipes		4 x 1 mm2	4 x 1 mm2	4 x 1 mm2	4 x 1 mm2	4 x 1 mm2
	Max Current		A	13,5	19	22,5	10	13

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	**Maximum temperature in cooling**	DB 32°C
	Minimum temperature in cooling	DB 17°C
	Maximum temperature in heating	DB 30°C
	Minimum temperature in heating	DB 0°C
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 50°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C
	Minimum temperature in heating	DB -15°C

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice.
The sound pressure values are measured under the following conditions: in semi-anechoic chamber, unit positioned in a free space, measuring device positioned 1 metre below the internal unit and 1 metre from the front of the internal unit.
The sound pressure values of the external units are measured under the following conditions: in a semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1 metre (external unit).
*Non-hermetically sealed equipment containing fluorinated gases with GWP equivalent of 675.

NEXYA MULTISPLIT

Energy efficient multisplit inverter air conditioners

FEATURES

Energy-efficient inverter technology with low GWP R32 refrigerant.

Available in the two, three, four and five room versions, for air conditioning up to five rooms with the use of a single outdoor motor.

The system is modular: systems can be designed using wall-mounted, duct or cassette units and selecting the right size according to the thermal load of the system.

Check Olimpiasplendid.it for the combinations that can access the economic incentives.

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.

	TECHNICAL DATA		NEW ODU Nexya S5 E Dual Inverter 14	NEW ODU Nexya S5 E Dual Inverter 18	NEW ODU Nexya S5 E Trial Inverter 21	ODU Nexya S4 E Quadri Inverter 28	NEW ODU Nexya S5 E Penta Inverter 42
	OUTDOOR UNIT CODE		OS-CANMH14EI	OS-CANMH18EI	OS-CANMH21EI	OS-CEMYH28EI	OS-CANMH42EI
	EAN CODE		8021183119107	8021183119114	8021183119121	8021183116052	8021183119138
	Electrical power supply	V/F/Hz	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50
Cooling	Capacity (min / rated / max)	kW	1,47-4,11-4,84	2,23-5,28-5,57	1,99-6,16-6,60	2,05-8,20-9,84	2,05-12,32-12,32
	Absorbed power (Nom/Min-Max)	kW	1,27(0,10-1,65)	1,64(0,69-2,00)	1,91(0,18-2,20)	2,54(0,89-3,18)	3,80(0,68-3,80)
	Current consumption (Nom/Min-Max)	A	5,80(1,00-7,20)	7,10(3,20-9,00)	9,00(1,80-10,00)	11,3(3,9-14,1)	17,30(3,00-17,30)
	Theoretical Load (PdesignC)	kW	4,1	5,3	6,1	8,2	12,3
	SEER		6,8	6,1	6,5	6,1	6,6
	Energy efficiency class		A++	A++	A++	A++	A++
	Annual energy consumption	kWh/A	220	304	328	470	652
Heating	Capacity (min / rated / max)	kW	1,61-4,40-4,84	2,34-5,57-5,63	1,45-6,45-6,69	2,34-8,79-10,55	2,35-12,32-12,32
	Absorbed power (Nom/Min-Max)	kW	1,19(0,22-1,62)	1,50(0,60-1,78)	1,74(0,35-1,80)	2,20(0,77-2,75)	3,30(0,68-3,30)
	Current consumption (Nom/Min-Max)	A	5,40(1,80-7,15)	6,60(2,80-7,95)	8,00(2,60-8,10)	9,8(3,4-12,2)	15,00(3,00-15,00)
	Theoretical Load (PdesignH) (average climate - warmer climate)	kW	3,7-4,1	4,3-5	5,4-5,5	6,5-6,9	9,5-9,5
	Scop (average climate - warmer climate)		4-5,1	4-5,1	4-5,1	3,8-4,6	3,8-5,1
	Energy efficiency class (average climate - warmer climate)	medium zone / hot zone	A+ / A+++	A+ / A+++	A+ / A+++	A / A++	A / A+++
	Annual energy consumption (average climate - warmer climate)	kWh/A	1320-1125	1503-1378	1890-1510	2395-2100	3500-2608
	Energy efficiency E.E.R./C.O.P.	W/W	3,23/3,71	3,23/3,71	3,23-3,71	3,23-4,00	3,24-3,73
Outdoor unit	Dimensions (WxHxD) (without packaging)	mm	805x554x330	805x554x330	890x673x342	946x810x410	946x810x410
	Weight (without packaging)	kg	31,6	35,0	43,3	62,1	73,3
	Dimensions (WxHxD) (with packaging)	mm	915x615x370	915x615x370	1030x750x438	1090x875x500	1090x875x500
	Weight (with packaging)	kg	34,7	38,0	47,1	67,7	80,4
	Air flow rate	m³/h	2100	2100	3000	3800	3850
	Sound pressure (max)	dB(A)	56	56	58	61,5	64
	Sound power level Max (EN 12102)	dB(A)	65	65	65	67	70
	Compressor Type		rotary	rotary	rotary	rotary	rotary
Dimensions and limitations of the cooling circuit	Diameter of tube in liquid connection line	mm	2x6,35	2x6,35	3x6,35	4x6,35	5x6,35
	Diameter of tube in gas connection line	mm	2x9,52	2x9,52	3x9,52	3x9,52+1x12,7	4x9,52+1x12,7
	Covered piping length from pre-load	m	15	15	22,5	30	37,5
	Piping recommended minimum length	m	3	3	3	3	3
	Piping Equivalent length (max)	m	40	40	60	80	80
	Piping Equivalent max. length (single branch of piping)	m	25	25	30	35	35
	Increase of Refrigerant	g/m	12	12	12	12	12
	Difference in level (Max) (outdoor unit in higher position that indoor units	m	15	15	15	15	15
	Difference in level (Max) (outdoor unit in lower position that indoor units)	m	15	15	15	15	15
	Difference in level (Max) (elevation difference between indoor units)	m	10	10	10	10	10
Refrigerant fluid	Refrigerant gas *		R32	R32	R32	R32	R32
	GWP		675	675	675	675	675
	Refrigerant gas charge	kg	1,1	1,25	1,5	2,10	2,9
	Maximum applied pressure high pressure side/low pressure side	MPa	4,3-1,7	4,3/1,7	4,3-1,7	4,3/1,7	4,3-1,7
Electrical connections	Main power supply	V/Ph/Hz	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50	One Phase 220-240 / 1 / 50
	Max Power absorption	W	2750	3050	3910	4150	4700
	Max Current	A	12	15	17	19,0	22
Operational limits	Outdoor temperature in cooling (Min-Max)	°C B.S.	-/+50	-/+50	- /+50	-/+50	-/+50
	Outdoor temperature in heating (Min-Max)	°C B.U.	-15/+24	-15/+24	-15/+24	-15/+24	-15/+24

The declared data relate to the conditions envisaged in EN 14511, EN 14825 and EU Delegated Regulation 626/2011 for the combination capable of expressing the highest energy class. For the energy class and performance of the individual combinations, refer to the selection tables on the website www.olimpiasplendid.it and to the energy labels of the specific combination. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice. The sound pressure values of the Nexya S4 range are measured under the following conditions: ambient sound pressure level equal to 0 dB (pressure equal to 20Pa), unit positioned in free space, measuring device positioned at a distance of 1.5 metres (external unit).
The sound pressure values of the Nexya S5 range are measured under the following conditions: in semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1 metres (external unit).
* Non hermetically sealed equipment containing fluorinated GAS with GWP equivalent to 675.

Wall internal units

	TECHNICAL DATA		IDU Nexya S4 E Inverter 9	IDU Nexya S4 E Inverter 12	IDU Alyas E Inverter 9	NEW IDU Alyas S1 E Inverter 12
	PRODUCT CODE		OS-SENEH09EI	OS-SENEH12EI	OS-SECYH09EI	OS-SAALH12EI
	EAN CODE		8021183114928	8021183114935	8021183116205	8021183119312
	Electrical power supply	V/F/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Cooling	kW (Nom)	2,64	3,52	2,64	3,52
	Heating	kW (Nom)	2,93	3,81	2,93	3,81
Indoor unit	Dimensions (WxHxD) (without packaging)	mm	805x285x194	805x285x194	722x290x187	802x297x189
	Weight (without packaging)	kg	7,5	7,5	7,3	8,6
	Dimensions (WxHxD) (with packaging)	mm	870x360x270	870x360x270	790x375x270	875x380x285
	Weight (with packaging)	kg	9,7	9,7	9,7	11,1
	Air flow rate (min/rated/max)	m³/h	340-460-520	360-500-600	230-309-416	395-477-584
	Sound pressure (silent/min/med/max)	dB(A)	21-26-30-40	22-26-34-40	20-23-31-39	/-26-32-39
	Sound power level Max (EN 12102)	dB(A)	53	53	54	55
Piping dimensions	Diameter of tube in liquid connection line	inch - mm	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35
	Diameter of tube in gas connection line	inch - mm	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52
Operational limits	Indoor temperature in cooling (Min-Max)	°C B.S.	+17/+32	+17/+32	+17/+32	+17/+32
	Indoor temperature in heating (Min-Max)	°C B.S.	0/+30	0/+30	0/+30	0/+30

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice. The sound pressure values of the Nexya S4 and Alyas E range are measured under the following conditions: ambient sound pressure level equal to 0 dB (pressure equal to 20Pa), unit positioned in free space, measuring device positioned at a distance of 1 metre and 0.8 metres below the internal unit.
The sound pressure values of the Alyas S1 range are measured under the following conditions: in semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1.5 metres (external unit).

Duct and cassette internal units

	TECHNICAL DATA		IDU Nexya S4 E Duct 9	NEW IDU Nexya S5 E Duct 12	NEW IDU Nexya S5 E Duct 18	IDU Nexya S4 E Cassette Compact 9	NEW IDU Nexya S5 E Cassette Compact 12	NEW IDU Nexya S5 E Cassette Compact 18
	PRODUCT CODE		OS-SEDDH09EI	OS-SANDH12EI	OS-SANDH18EI	OS-K/SECIH09EI	OS-K/SANCH12EI	OS-K/SANCH18EI
	EAN CODE		8021183115307	8021183119145	8021183119152	8021183117769	8021183119329	8021183119336
	Electrical power supply	V/F/Hz	220-240 /1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Cooling	kW (Nom)	2,64	3,52	5,28	2,64	3,52	5,28
	Heating	kW (Nom)	2,93	3,81	5,57	2,93	3,81	5,57
Indoor unit	Dimensions (WxHxD) (without packaging)	MM	700x200x450	700x200x450	880x210x674	570x260x570	570x260x570	570x260x570
	Weight (without packaging)	kg	18	17,8	24,4	14,5	16,3	16,0
	Dimensions (WxHxD) (with packaging)	mm	860x275x540	860x285x540	1070x280x725	662x317x662	655x290x655	662x317x662
	Weight (with packaging)	kg	22	21,5	29,6	17,3	20,4	20,6
	Air flow rate (min/rated/max)	m³/h	300-480-600	300-480-600	515-706-911	450-500-580	420-510-620	500-620-720
	Sound pressure (min/rated/max)	dB(A)	27,5-34,5-40,0	29-30-34	34-38-41	29/33/38	33-36-41	35-39-43
	Sound power level Max (EN 12102)	dB(A)	59	57	58	53	56	57
	Fan pressure	Pa	25	25	25	-	-	-
	Fan pressure adjustment field	Pa	0-40	0-60	0-100	-	-	-
Decorative Panel	Dimensions (WxHxD) (without packaging)	mm	-	-	-	647x50x647	647x50x647	647x50x647
	Weight (without packaging)	kg	-	-	-	2,5	2,5	2,5
	Dimensions (WxHxD) (with packaging)	mm	-	-	-	715x123x715	715x123x715	715x123x715
	Weight (with packaging)	kg	-	-	-	4,5	4,5	4,5
Piping dimensions	Diameter of tube in liquid connection line	inch - mm	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35
	Diameter of tube in gas connection line	inch - mm	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7
Operational limits	Indoor temperature in cooling (Min-Max)	°C B.S.	+17/+32	+17/+32	+17/+32	+17/+32	+17/+32	+17/+32
	Indoor temperature in heating (Min-Max)	°C B.S.	0/+30	0/+30	0/+30	0/+30	0/+30	0/+30

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice. The sound pressure values of the Duct S4 range are measured under the following conditions: ambient sound pressure level equal to 0 dB (Pressure equal to 20Pa), unit positioned in a free field condition, meter positioned 1.5 meters below the internal unit to which standard ducts with a length of 2 meters (delivery) and 1 meter (return) are attached.
The sound pressure values of the Duct S5 range are at the following conditions: in semi-anechoic chamber, unit positioned in a free space, measuring device positioned 1.5 meters below the internal unit to which are applied standard ducts with a length of 2 meters (delivery) and 1 meter (return).

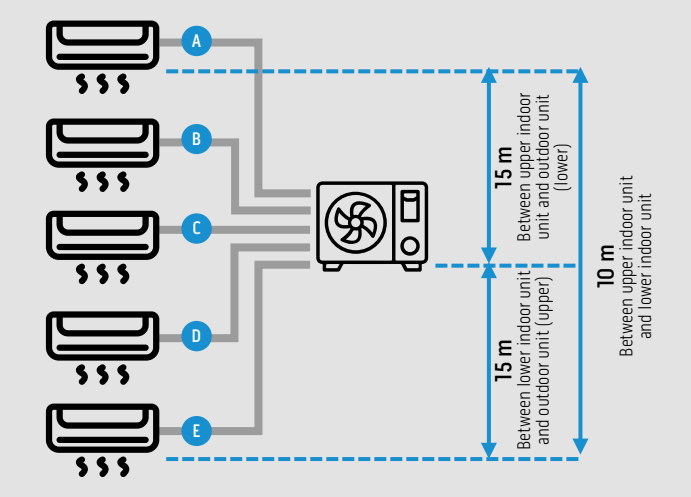
The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice. The sound pressure values of the Cassette S4 range are measured under the following conditions: ambient sound pressure level equal to 0 dB (pressure equal to 20Pa), unit positioned in free space, measuring device positioned at a distance of 1 metre from below the internal unit.
The sound pressure values of the Cassette S5 range are measured under the following conditions: in semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1.4 metres below the internal unit.

Combination chart

Download the complete combinations tables
The table shows the possible general combinations of Nexya Multisplit external units in the S4 range.
Depending on the specific models of internal units (wall, duct, cassette), always check the feasible combinations, also available on-line in the download area of the website Olimpiasplendid.it.

The table shows the possible general combinations of Nexya Multisplit external units in the range.
Depending on the specific models of internal units (wall, duct, cassette), always check the feasible combinations, also available on-line in the download area of the website Olimpiasplendid.it.

Installation of the multi-split pipes



Maximum distance single pipes Indoor unit to Outdoor unit

DUAL	TRIAL	QUADRI	PENTA
25 m	30 m	35 m	35 m

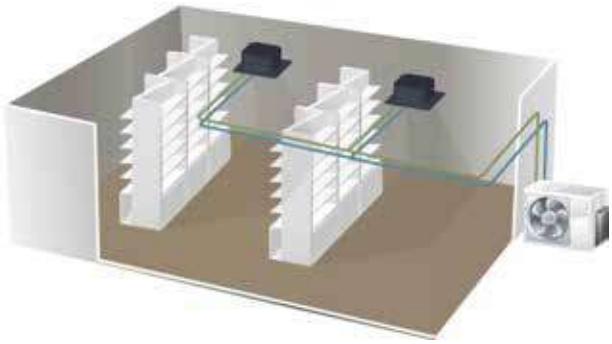
Total length A+B+C+D+E

DUAL	TRIAL	QUADRI	PENTA
40 m	60 m	80 m	80 m

Twin System

The twin configuration for improved air distribution

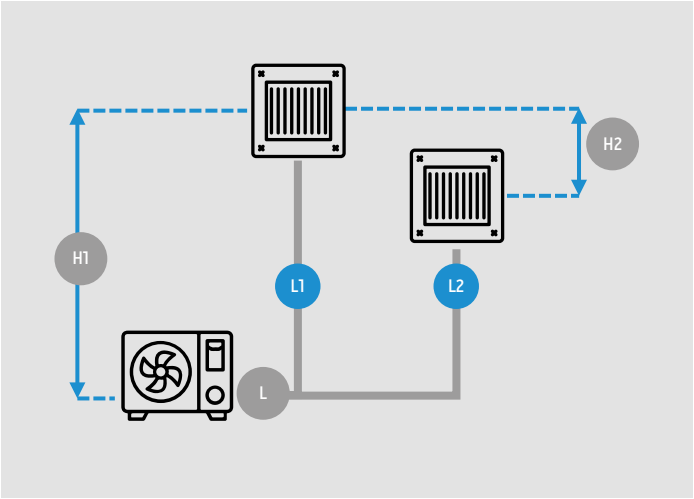
A complete system, intended for small commercial businesses, to improve air diffusion through the connection of two internal units, of the same power, to an external unit. The internal units are compatible with the Twin System and designed to be installed in one room. The control allows you to control the main unit while the secondary (slave) unit mirrors the on/off settings, set point, function mode and fan speed.



POSSIBLE COMBINATIONS

OUTDOOR UNIT	INDOOR UNIT 1	INDOOR UNIT 2
UE Nexya S5 E Commercial 24 (OS-CANCH24EI)	UI Nexya S5 E Duct 12 (OS-SANDH12EI)	UI Nexya S5 E Duct 12 (OS-SANDH12EI)
UE Nexya S5 E Commercial 36 monofase (OS-CANCH36EI)	UI Nexya S5 E Ceiling 18 (OS-SANFH18EI)	UI Nexya S5 E Ceiling 18 (OS-SANFH18EI)
UE Nexya S5 E Commercial 48 trifase (OS-CANCHT48EI)	UI Nexya S5 E Cassette 24 (OS-K/SANCH24EI)	UI Nexya S5 E Cassette 24 (OS-K/SANCH24EI)

PIPE LENGTH LIMITS



PIPE LENGTH	Pipe length (m)	12K+12K	25	L+Max (L1, L2)
		18K+18K	30	
		24K+24K	50	
	Single line maximum length (m)		15	L1,L2
	Max difference between the two lines L1-L2		10	L1-L2
DIFFERENCE IN HEIGHT	Max difference in height between internal unit and external unit		20	H1
	Max difference in height between the two internal units		0,5	H2

The Y-joints required for the Twin connection are not supplied by the manufacturer but are the responsibility of the installer.
Additional installation information is available in the download area of the website Olimpiasplendid.it.

Accessories

OLIMPIA SPLENDID

B0969 **4-wire wall-mounted remote control**

Compatible with:

UI NEXYA ENERGY E	–	UI NEXYA S5 E DUCT	○
UI NEXYA S4 E	–	UI NEXYA S5 E CASSETTE	○
UI ALYAS E / ALYAS S1 E / ALYAS PRO E	–	UI NEXYA S5 E CEILING	○

B0970 **Wi-Fi disc kit**

Disc containing a special USB key for Wi-Fi integration. For wall/ceiling installation outside the internal unit.

Compatible with:

UI NEXYA ENERGY E	–	UI NEXYA S5 E DUCT	○
UI NEXYA S4 E	–	UI NEXYA S5 E CASSETTE	≤18
UI ALYAS E / ALYAS S1 E / ALYAS PRO E	–	UI NEXYA S5 E CEILING	○

B1020 **Wi-Fi key kit**

USB key for Wi-Fi integration.

Compatible with:

UI NEXYA ENERGY E	●	UI NEXYA S5 E DUCT	–
UI NEXYA S4 E	●	UI NEXYA S5 E CASSETTE	≥24
UI ALYAS E / ALYAS S1 E / ALYAS PRO E	●	UI NEXYA S5 E CEILING	–

● Standard accessory | ○ Optional accessory | ▼ Required accessory | – Accessory not compatible

PORTABLE AIR CONDITIONERS

Italian design and technology for air conditioning you can take with you

Technology and design for a climate that you take with you

Thanks to Olimpia Splendid's design innovation, air diffusion is optimised.
And the aesthetics is diversified, to suit every interior style.

Olimpia Splendid's Blue Air Technology

To obtain the maximum comfort of use, Dolceclima portable air conditioners contain an innovative technology that generates a high and deep air jet (up to 4 meters high and 3 wide), which does not directly affect the occupants of the room, but contributes to the diffusion of a homogeneous temperature in the environment.

Behind every design, an Italian signature

Sebastiano Ercoli, Alessandro Garlandini and Alessio Abdolahian are just some of the Italian brands that have worked on the aesthetics of the Dolceclima portable air conditioners. Soft lines with a retro style are contrasted with extremely clean and rigorous shapes, to propose different designs that meet the unique styles of each home.

Portable air conditioners range

OLIMPIA SPLENDID

DOLCECLIMA COMPACT 9 P
The super compact portable model. 2.3 kW of power

Dolceclima Compact 9 P (01914)

A

DOLCECLIMA SILENT 10 WIFI
The portable model with the best air diffusion. 2.6 kW of power

Dolceclima Silent 10 Wifi (02140)

A

DOLCECLIMA SILENT 12 A+ WIFI
The most efficient portable model. 2.7 kW of power

Dolceclima Silent 12 A+ Wifi (02141)

A+

DOLCECLIMA AIR PRO 14 HP WIFI
The powerful portable model in heat pump. 3.5 kW of power

Dolceclima Air Pro 14 HP Wifi (02029)

A

Energy efficiency classes in cooling, depending on the operating limit conditions of each model.

OS Comfort is Olimpia Splendid's application to control the air conditioner from your smartphone. Available for download on the Apple Store and Google Play.

Available on the iPhone App Store

Google play

Wi-Fi included

No installation required, maximum ease of configuration

To manage the air conditioner from a smartphone, all models of the Silent and Air Pro ranges of Dolceclima portable air conditioners are equipped with Wi-Fi connectivity. Thanks to the Wi-Fi connection (which does not require router configuration), it is thus possible to manage the air conditioner remotely, away from home, via the 3G and 4G network of your smartphone.

DOLCECLIMA COMPACT 9

9.000 BTU/h* of power in 35 cm of width

COMPACT TECHNOLOGY

Space savings: only 70 cm height and 35 cm width.

ROTATING CASTORS

It can be easily transported and moved in any direction, thanks to its 360 degree rotation.

DIGITAL CONTROLS

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

FEATURES

- Cooling capacity: 2.3 kW**
- Energy class: A
- Sound pressure: 62 dB (A)
- Rated energy efficiency index: EER 2.6**
- Coolant gas: R290
- No tank: automatic condensate disposal
- Anti-dust filter
- Multi-function remote control and LCD display
- Convenient side handles and wheels
- Window and air ejection hose kit included.

FUNCTIONS

- **Cooling, dehumidification and ventilation (2 speeds)**
- **24 H timer**
- **Auto function**: optimises energy consumption, adjusting the cooling in relation to the room temperature.
- **Sleep function:** gradually increases the set temperature for greater comfort.
- **Auto-Restart function**: after a power failure, it restarts at the last function set.

* Test conditions: maximum cooling power (35°C / 80% RH).
** Test conditions: according to the EN 145111 standard.

TECHNICAL DATA			DOLCECLIMA COMPACT 9 P
PRODUCT CODE			01914
EAN CODE			8021183019148
Nominal cooling capacity (1)	Prated	kW	2,3
Nominal heating capacity (1)	Prated	kW	-
Nominal power consumption for cooling (1)	PEER	kW	0,90
Nominal absorption for cooling (1)		A	4,1
Nominal power consumption for heating (1)	PCOP	kW	-
Nominal absorption for heating (1)		A	-
Nominal energy efficiency index (1)	EERd		2,6
Nominal efficiency coefficient (1)	COPd		-
Energy efficiency class in cooling (1)			A
Energy efficiency class in heating (1)			-
Energy consumption in "thermostat off" mode	PTO	W	1,0
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5
Hourly electricity consumption for single duct (1) cooling mode	QSD	kWh/h	0,9
Hourly electricity consumption for single duct (1) heating mode	QSD	kWh/h	-
Supply voltage		V-F-Hz	220/240-1-50
Supply voltage (min/max)		V	198 / 264
Maximum power consumption in cooling mode (1)		W	1100
Maximum absorption in cooling mode (1)		A	5,8
Maximum power consumption in heating mode (4)		W	-
Maximum absorption in heating mode (4)		A	-
Dehumidification capacity (2)		l/h	2,1
Air flow rate (max/med/min)		m³/h	295 / 0 / 205
Fan speed			2
Flexible pipe (lenght x diameter)		mm	1500 x 150
Maximun remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	345 x 703 x 355
Dimensions (WxHxD) (with packaging)		mm	380 x 870 x 400
Weight (without packaging)		kg	25,5
Weight (with packaging)		kg	28,1
Sound pressure level (min-max) (3)		dB(A)	47 - 52
Sound power level (indoor only) (EN 12102)	LWA	dB(A)	62
Degree of protection provided by covers			IP 10
Refrigerant gas (5)		Type	R290
Global warming potential	GWP		3
Refrigerant gas charge		kg	0,15
Maximum operating pressure		MPa	2,6
Maximum operating pressure (low pressure side)		MPa	1,0
Lower flammable limit	LFL	kg/m³	0,038
Minimum flor area for installation, use and storage		mq	8
Power cable (N° pole x section mm²)			3 x 1,0 / VDE
Fuse			10AT
Conformity mark			CE
Integrated Wi-fi			-

LIMITS OF OPERATING CONDITIONS		
Indoor ambient temperature	**Maximum temperature in cooling**	DB 35°C - WB 32°C
	Minimum temperature in cooling	DB 17°C
	Maximum temperature in heating	-
	Minimum temperature in heating	-
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C - WB 32°C
	Minimum temperature in cooling	DB 18°C - WB 16°C
	Maximum temperature in heating	-
	Minimum temperature in heating	-

(1) Test conditions: the data refer to the EN14511 standard.
(2) Test conditions in dehumidification mode: DB 30°C WB 27.1°C
(3) Declaration of test data in a semi-anechoic chamber at a distance of 2 m, minimum pressure in ventilation only
(4) High load test and maximum heating output
(5) Hermetically sealed equipment.

Italian design by:

ercoli+garlandini

DOLCECLIMA SILENT 10

10.000 BTU/h* of power and superior comfort

BLUE AIR TECHNOLOGY

An innovative technology that generates a high and deep air jet, which does not directly affect the occupants of the room, but contributes to the diffusion of a homogeneous temperature in the environment.

INTEGRATED WI-FI

By downloading the OS Comfort app it is possible to manage all its functions from your smartphone, even when away from home

TOUCHSCREEN DISPLAY

Touch-screen control panel, with minimal aesthetic impact, for immediate control.

FEATURES

- Refrigeration capacity: 2.6 kW**
- Energy rating: A
- Sound power: 63 dB (A)
- Rated energy efficiency index: EER 2.8**
- Refrigerant gas: R290
- No tank: automatic condensate disposal
- Multifunction remote control
- LCD display
- 12h timer
- Practical side handles
- Wheels

FUNCTIONS

- **Cooling, dehumidification and ventilation (3 speeds)**
- **24 H timer**
- **Auto function:** optimises energy consumption, adjusting the cooling in relation to the room temperature.
- **Sleep and Silent function:** gradually increases the set temperature for greater acoustic comfort.
- **Turbo function:** maximum ventilation speed for super cooling.
- **Follow Me function**: precise temperature detection in the point where the remote control is located.
- **Auto-Restart function**: after a power failure, it restarts at the last function set.

* Test conditions: maximum cooling power (35°C / 80% RH).
** Test conditions: according to the EN 145111 standard.

TECHNICAL DATA			DOLCECLIMA SILENT 10 WIFI
PRODUCT CODE			02140
EAN CODE			8021183021400
Nominal cooling capacity (1)	Prated	kW	2,6
Nominal heating capacity (1)	Prated	kW	-
Nominal power consumption for cooling (1)	PEER	kW	0,93
Nominal absorption for cooling (1)		A	4,0
Nominal power consumption for heating (1)	PCOP	kW	-
Nominal absorption for heating (1)		A	-
Nominal energy efficiency index (1)	EERd		2,8
Nominal efficiency coefficient (1)	COPd		-
Energy efficiency class in cooling (1)			A
Energy efficiency class in heating (1)			-
Energy consumption in "thermostat off" mode	PTO	W	1,0
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,77
Hourly electricity consumption for single duct (1) cooling mode	QSD	kWh/h	0,93
Hourly electricity consumption for single duct (1) heating mode	QSD	kWh/h	-
Supply voltage		V-F-Hz	220/240-1-50
Supply voltage (min/max)		V	198 / 264
Maximum power consumption in cooling mode (1)		W	1100
Maximum absorption in cooling mode (1)		A	5,6
Maximum power consumption in heating mode (4)		W	-
Maximum absorption in heating mode (4)		A	-
Dehumidification capacity (2)		l/h	1,5
Air flow rate (max/med/min)		m³/h	355/-/-
Fan speed			3
Flexible pipe (lenght x diameter)		mm	1500 x 120
Maximun remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	460 x 762 x 396
Dimensions (WxHxD) (with packaging)		mm	496 x 860 x 460
Weight (without packaging)		kg	29,8
Weight (with packaging)		kg	34,3
Sound pressure level (min-max) (3)		dB(A)	-/52
Sound power level (indoor only) (EN 12102)	LWA	dB(A)	63
Degree of protection provided by covers			IPX0
Refrigerant gas (5)		Type	R290
Global warming potential	GWP		3
Refrigerant gas charge		kg	0,23
Maximum operating pressure		MPa	2,6
Maximum operating pressure (low pressure side)		MPa	1,0
Lower flammable limit	LFL	kg/m³	0,038
Minimum flor area for installation, use and storage		m²	12
Power cable (N° pole x section mm²)			3 x 1,0 / VDE
Fuse			10AT
Conformity mark			CE
Integrated Wi-fi			√

	LIMITS OF OPERATING CONDITIONS	
Indoor ambient temperature	**Maximum temperature in cooling**	DB 35°C - WB 32°C
	Minimum temperature in cooling	DB 17°C
	Maximum temperature in heating	-
	Minimum temperature in heating	-
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C - WB 32°C
	Minimum temperature in cooling	DB 18°C - WB 16°C
	Maximum temperature in heating	-
	Minimum temperature in heating	-

(1) Test conditions: the data refer to the EN14511 standard.
(2) Test conditions in dehumidification mode: DB 30°C WB 27.1°C
(3) Declaration of test data in a semi-anechoic chamber at a distance of 2 m, minimum pressure in ventilation only
(4) High load test and maximum heating output
(5) Hermetically sealed equipment.

Italian design by:

ercoli+garlandini

DOLCECLIMA SILENT 12

12.000 BTU/h* of power in class A+

HIGH EFFICIENCY

Class A+ air conditioner with 11% lower energy consumption (compared to Dolceclima Silent 12 P) for more sustainable comfort

BLUE AIR TECHNOLOGY

An innovative technology that generates a high and deep air jet, which does not directly affect the occupants of the room, but contributes to the diffusion of a homogeneous temperature in the environment.

INTEGRATED WI-FI

By downloading the OS Comfort app it is possible to manage all its functions from your smartphone, even when away from home

FEATURES

- Cooling capacity: 2.7 kW**
- Energy class: A+
- Sound pressure: 65 dB (A)
- Rated energy efficiency index: EER 3.1**
- Coolant gas: R290
- No tank: automatic condensate disposal
- Anti-dust filter
- Multi-function remote control and LCD display
- Convenient side handles and wheels
- Air ejection hose kit included.

FUNCTIONS

- **Cooling, dehumidification and ventilation (3 speeds)**
- **24 H timer**
- **Auto function:** optimises energy consumption, adjusting the cooling in relation to the room temperature.
- **Sleep and Silent function:** gradually increases the set temperature for greater acoustic comfort.
- **Turbo function:** maximum ventilation speed for super cooling.
- **Follow Me function**: precise temperature detection in the point where the remote control is located.
- **Auto-Restart function**: after a power failure, it restarts at the last function set.

* Test conditions: maximum cooling power (35°C / 80% RH).
** Test conditions: according to the EN 145111 standard.

TECHNICAL DATA			DOLCECLIMA SILENT 12 A+ WIFI
PRODUCT CODE			02141
EAN CODE			8021183021417
Nominal cooling capacity (1)	Prated	kW	2,7
Nominal heating capacity (1)	Prated	kW	-
Nominal power consumption for cooling (1)	PEER	kW	0,85
Nominal absorption for cooling (1)		A	3,8
Nominal power consumption for heating (1)	PCOP	kW	-
Nominal absorption for heating (1)		A	-
Nominal energy efficiency index (1)	EERd		3,1
Nominal efficiency coefficient (1)	COPd		-
Energy efficiency class in cooling (1)			A+
Energy efficiency class in heating (1)			-
Energy consumption in "thermostat off" mode	PTO	W	1,0
Energy consumption in "standby" mode (EN 62301)	PSB	W	1,0
Hourly electricity consumption for single duct (1) cooling mode	QSD	kWh/h	0,85
Hourly electricity consumption for single duct (1) heating mode	QSD	kWh/h	-
Supply voltage		V-F-Hz	220/240-1-50
Supply voltage (min/max)		V	198 / 264
Maximum power consumption in cooling mode (1)		W	1100
Maximum absorption in cooling mode (1)		A	6,3
Maximum power consumption in heating mode (4)		W	-
Maximum absorption in heating mode (4)		A	-
Dehumidification capacity (2)		l/h	1,5
Air flow rate (max/med/min)		m³/h	358 / 289 / 213
Fan speed			3
Flexible pipe (lenght x diameter)		mm	1500 x 120
Maximun remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	460 x 762 x 396
Dimensions (WxHxD) (with packaging)		mm	496 x 860 x 460
Weight (without packaging)		kg	29,7
Weight (with packaging)		kg	35,1
Sound pressure level (min-max) (3)		dB(A)	48-52
Sound power level (indoor only) (EN 12102)	LWA	dB(A)	65
Degree of protection provided by covers			IPX0
Refrigerant gas (5)		Type	R290
Global warming potential	GWP		3
Refrigerant gas charge		kg	0,20
Maximum operating pressure		MPa	2,6
Maximum operating pressure (low pressure side)		MPa	1,0
Lower flammable limit	LFL	kg/m³	0,038
Minimum flor area for installation, use and storage		m²	10
Power cable (N° pole x section mm²)			3 x 1,0 / VDE
Fuse			10AT
Conformity mark			CE
Integrated Wi-fi			√

	LIMITS OF OPERATING CONDITIONS	
Indoor ambient temperature	**Maximum temperature in cooling**	DB 35°C - WB 32°C
	Minimum temperature in cooling	DB 17°C
	Maximum temperature in heating	-
	Minimum temperature in heating	-
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C - WB 32°C
	Minimum temperature in cooling	DB 18°C - WB 16°C
	Maximum temperature in heating	-
	Minimum temperature in heating	-

(1) Test conditions: the data refer to the EN14511 standard.
(2) Test conditions in dehumidification mode: DB 30°C WB 27.1°C
(3) Declaration of test data in a semi-anechoic chamber at a distance of 2 m, minimum pressure in ventilation only
(4) High load test and maximum heating output
(5) Hermetically sealed equipment.

Italian design by:

DOLCECLIMA AIR PRO 14 HP

14,000 BTU/h* of power. Also in heat pump

HEAT PUMP

Heat pump air conditioner. Thanks to this feature you you can replace or support traditional heating in intermediate seasons.

INTEGRATED WI-FI

By downloading the OS Comfort app it is possible to manage all its functions from your smartphone, even when away from home

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).

FEATURES

- Rated cooling capacity: 3.5 kW**
- Energy class: A / in heating A+
- Sound pressure: 64 dB (A)
- Rated energy efficiency index: EER 2.6**
- Coolant gas: R290
- Anti-dust and activated carbon filter
- Multi-function remote control and LCD display
- Convenient side handles and wheels
- Window and air ejection hose kit included.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation (3 speeds)**
- **24 H timer**
- **Eco function:** adjusts the cooling in relation to the room temperature to optimise consumption.
- **Sleep and Silent functions:** for greater acoustic comfort.
- **Turbo function:** maximum ventilation speed for super cooling.
- **Blue Air/Auto function**: automatic ventilation speed for optimal air flow management.
- **Follow Me function:** precise temperature detection in the point where the remote control is located.
- **Auto-Restart function:** after a power failure, it restarts at the last function set.

* Test conditions: maximum cooling power (35°C / 80% RH).
** Test conditions: according to the EN 145111 standard.

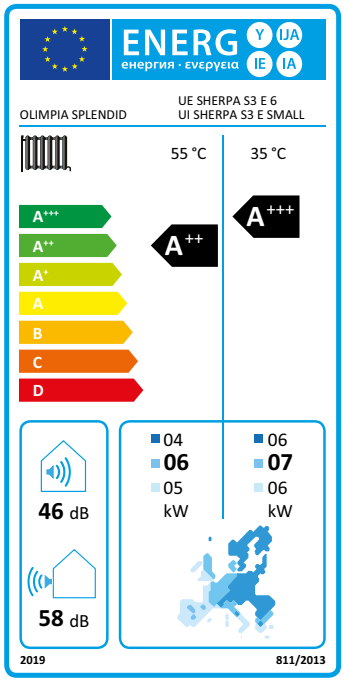
TECHNICAL DATA			DOLCECLIMA AIR PRO 14 HP WIFI
PRODUCT CODE			02029
EAN CODE			8021183020298
Nominal cooling capacity (1)	Prated	kW	3,5
Nominal heating capacity (1)	Prated	kW	2,9
Nominal power consumption for cooling (1)	PEER	kW	1,35
Nominal absorption for cooling (1)		A	5,90
Nominal power consumption for heating (1)	PCOP	kW	1,05
Nominal absorption for heating (1)		A	5,00
Nominal energy efficiency index (1)	EERd		2,6
Nominal efficiency coefficient (1)	COPd		2,8
Energy efficiency class in cooling (1)			A
Energy efficiency class in heating (1)			A+
Energy consumption in "thermostat off" mode	PTO	W	1,0
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5
Hourly electricity consumption for single duct (1) cooling mode	QSD	kWh/h	1,35
Hourly electricity consumption for single duct (1) heating mode	QSD	kWh/h	1,05
Supply voltage		V-F-Hz	220/240-1-50
Supply voltage (min/max)		V	198 / 264
Maximum power consumption in cooling mode		W	1450
Maximum absorption in cooling mode		A	8,0
Maximum power consumption in heating mode (4)		W	1450
Maximum absorption in heating mode (4)		A	8,0
Dehumidification capacity (2)		l/h	3,4
Air flow rate (max/med/min)		m³/h	420 / 370 / 355
Fan speed			3
Flexible pipe (lenght x diameter)		mm	1500 x 150
Maximun remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	490 x 765 x 425
Dimensions (WxHxD) (with packaging)		mm	535 x 890 x 487
Weight (without packaging)		kg	35
Weight (with packaging)		kg	38
Sound pressure level (min-max) (3)		dB(A)	50,6 - 52
Sound power level (indoor only) (EN 12102)	LWA	dB(A)	64
Degree of protection provided by covers			IPX0
Refrigerant gas (5)		Type	R290
Global warming potential	GWP		3
Refrigerant gas charge		kg	0,22
Maximum operating pressure		MPa	2,6
Maximum operating pressure (low pressure side)		MPa	1,0
Lower flammable limit	LFL	kg/m³	0,038
Minimum flor area for installation, use and storage		m²	11
Power cable (N° pole x section mm²)			3 x 1,5
Fuse			10AT
Conformity mark			CE
Integrated Wi-fi			√

	LIMITS OF OPERATING CONDITIONS	
Indoor ambient temperature	**Maximum temperature in cooling**	DB 35°C - WB 32°C
	Minimum temperature in cooling	DB 16°C
	Maximum temperature in heating	DB 27°C - WB 21,1°C
	Minimum temperature in heating	DB 7°C - WB 3,6°C
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 43°C - WB 32°C
	Minimum temperature in cooling	DB 18°C - WB 16°C
	Maximum temperature in heating	DB 27°C - WB 21,1°C
	Minimum temperature in heating	DB 7°C - WB 3,6°C

(1) Test conditions: the data refer to the EN14511 standard.
(2) Test conditions in dehumidification mode: DB 30°C WB 27.1°C
(3) Declaration of test data in a semi-anechoic chamber at a distance of 2 m, minimum pressure in ventilation only
(4) High load test and maximum heating output
(5) Hermetically sealed equipment.

Energy Labels

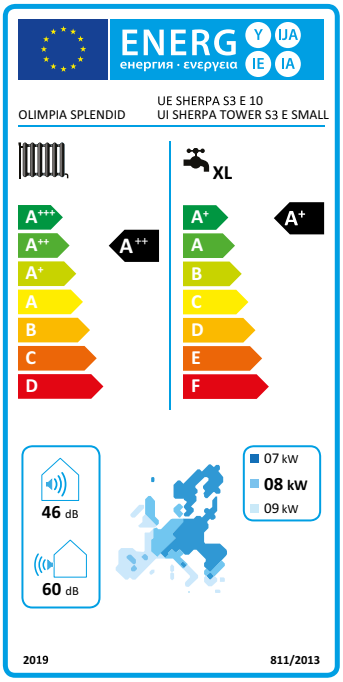
AIR WATER HEAT PUMPS



Energy efficiency class from **A+++** to **D**

Reference regulation for air water heat pump:
EUROPEAN REGULATION (EU) N. 811/2013

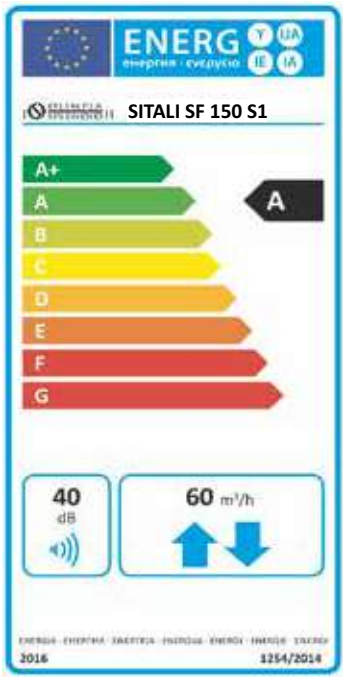
AIR WATER HEAT PUMPS WITH INTEGRATED STORAGE TANK



Energy efficiency class from **A+++** to **D**
Energy efficiency class storage tank from **A+** to **F**

Reference regulation for air water heat pump with integrated storage tank:
EUROPEAN REGULATION (EU) N. 811/2013

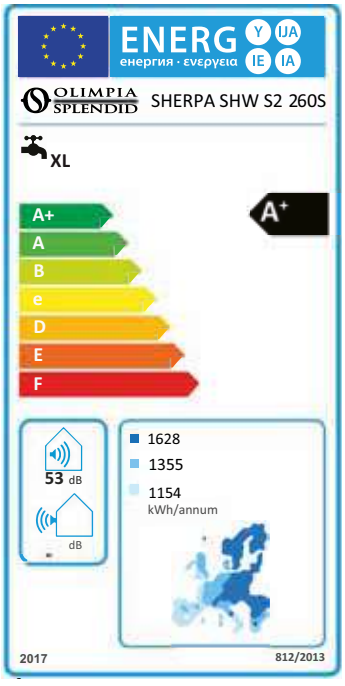
HEAT RECOVERY VENTILATION



Energy efficiency class from **A+** to **G**

Reference regulation for heat recovery ventilation:
EUROPEAN REGULATION (EU) N. 1254/2014

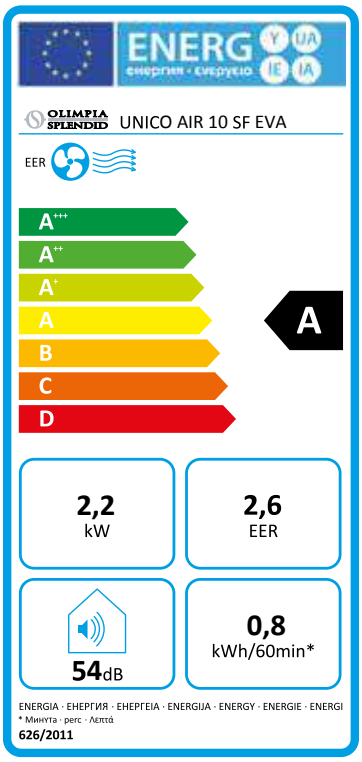
WATER HEATER HEAT PUMP



Energy efficiency class from **A+** to **F**

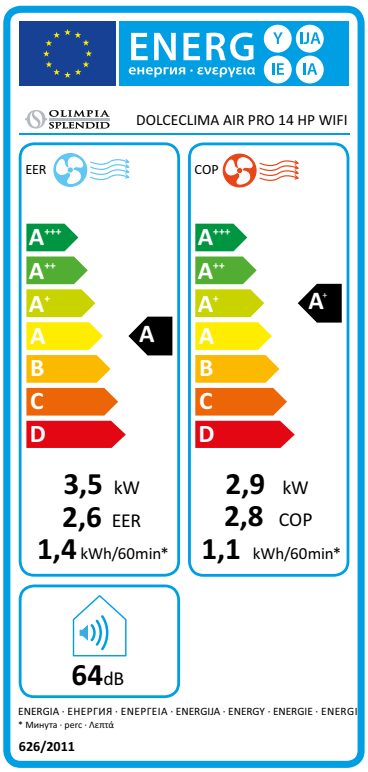
Reference regulation for water heat heat pump:
EUROPEAN REGULATION (EU) N. 812/2013

DOUBLE DUCT AIR CONDITIONERS (UNICO)



Energy efficiency class from **A+++** to **D**

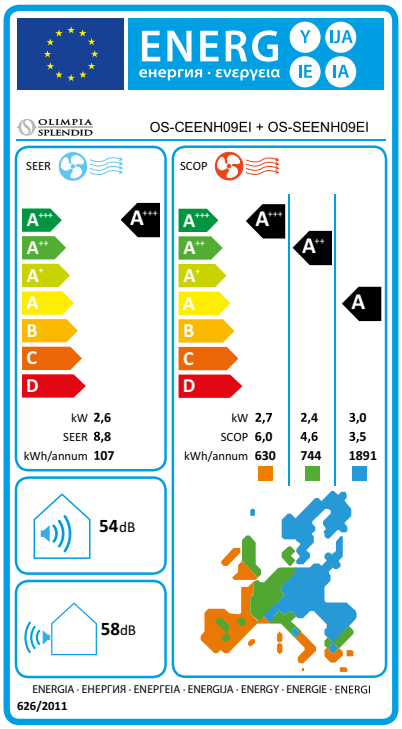
SINGLE DUCT AIR CONDITIONERS (PORTABLE)



Energy efficiency class from **A+++** to **D**

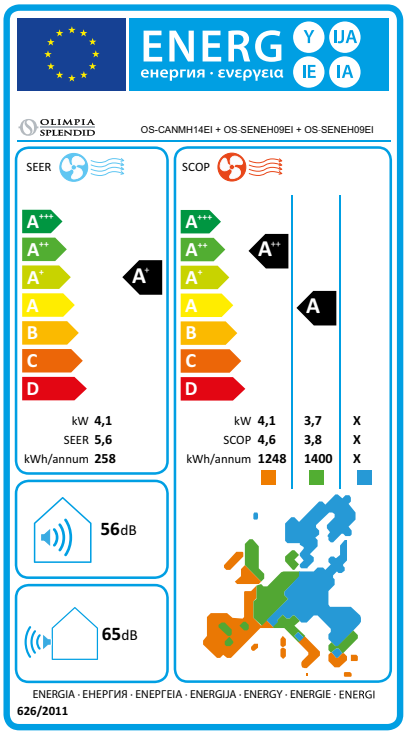
Double duct, single duct, fixed and wall spilt air conditioner Reference Regulation:
EUROPEAN REGULATION (EU) N. 626/2011

MONOSPLIT AIR CONDITIONER



Energy efficiency class from **A+++** to **D**

MULTISPLIT AIR CONDITIONER



Energy efficiency class from **A+++** to **D**

The technical data and aesthetic combinations of the products may change. Olimpia Splendid reserves the right to modify them at any time.

DTP1145

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