



INTEGRATED SYSTEMS AND AIR CONDITIONING

Catalogue 2025



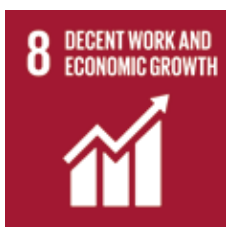
Your Home Comfort since 1956

Olimpia Splendid is an Italian company that - for almost 70 years - has been designing, producing and marketing technologies for conditioning, heating and treating the air in the home.

Ensuring the best home comfort, at all times of the year and for all our customers around the world, is our goal. Taking care of the climate in the home, while respecting that of the Planet is how we have chosen to achieve this. For this reason, we create innovative products with a high aesthetic finish, efficient and with reduced environmental impact: solutions for more sustainable comfort.

Our Home is the Planet

Olimpia Splendid's commitment to sustainability is built around 5 key points, which are inspired by the objectives defined by the UN in the 2030 Agenda for Sustainable Development: a program of actions for people, the planet and prosperity. From 2021, Olimpia Splendid's results are monitored and published through the annual Sustainability Report.



Innovative and inclusive solutions

Our strategy for sustainable economic growth is based on innovation and diversification. There are 12 technological patents currently active, created to overcome the limits of traditional solutions and to make climate comfort a right within everyone's reach.



Carbon neutral processes

To efficiently use industrial resources, we have set ourselves the goal of reducing our direct and indirect greenhouse gas emissions by 50% by 2030 and of achieving complete climate neutrality by 2040.



Efficient technologies

Researching and developing new heat pump comfort systems is our direct contribution to creating sustainable cities and communities, where domestic consumption is decarbonised and the available electricity is used wisely.



Products that are durable and can be regenerated

For an eco-compatible waste management, we select components and materials based on their recyclability and repairability, we guarantee spare parts for a minimum of 15 years and we encourage the recovery and disposal of end-of-life products through the most virtuous consortia.



Shared responsibility

The fight against climate change must be objective and a shared responsibility. This is why we are personally committed to effectively informing our consumers and to promoting sustainable behaviour in the use of our products.

Made in Italy around the world

Every Olimpia Splendid product is born in the Brescia headquarters, where the R&D centre designs and develops solutions capable of standing out for their innovation, aesthetic finish and sustainability, following the LCA (Life Cycle Assessment) principles. The core technologies are created in our Italian production pavilion, 100% powered by renewable electricity and designed as a highly productive Smart Factory. From Italy, the Olimpia Splendid brand comfort then reaches over 45 countries around the world, through 5 direct commercial branches and a widespread network of distributors.

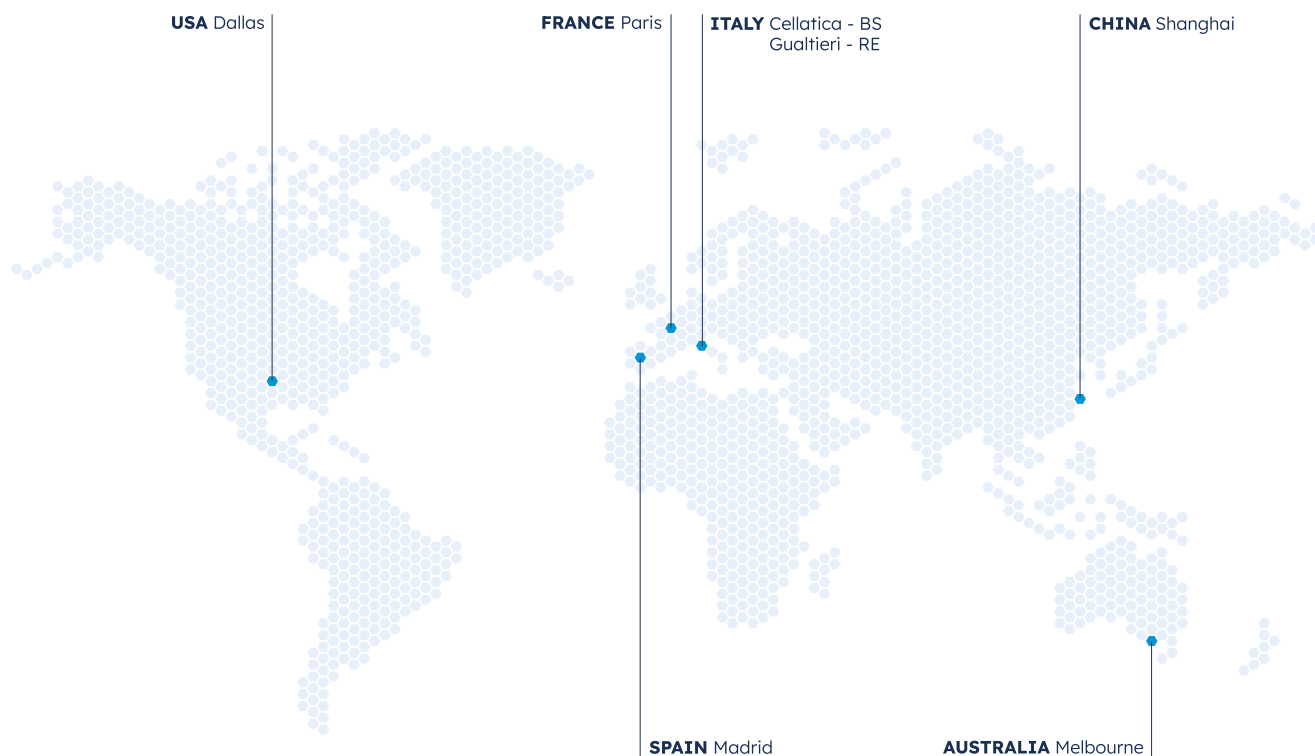


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INTEGRATED
SYSTEMS



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



SHERPA SHW

Water heater in heat pump



SiOS CONTROL

Central system management, locally or remotely



SiO

Olimpia
integrated

DS®
Splendid
systems

SITALI

Decentralised and centralised HRV



Bi2 WALL

High wall fan coil units



Bi2 AIR

Fan coils units with integral design



Bi2 SMART

Total flat fan coil units



Bi2 DUCTED

Ductable fan coil units



Bi2 NAKED

Recessed fan coil units







SİOS CONTROL

Building Management
System

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?

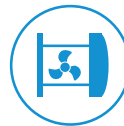
Sherpa range of heat pumps or third-party generators*



Fan coil units range and floor heating Bi2 **



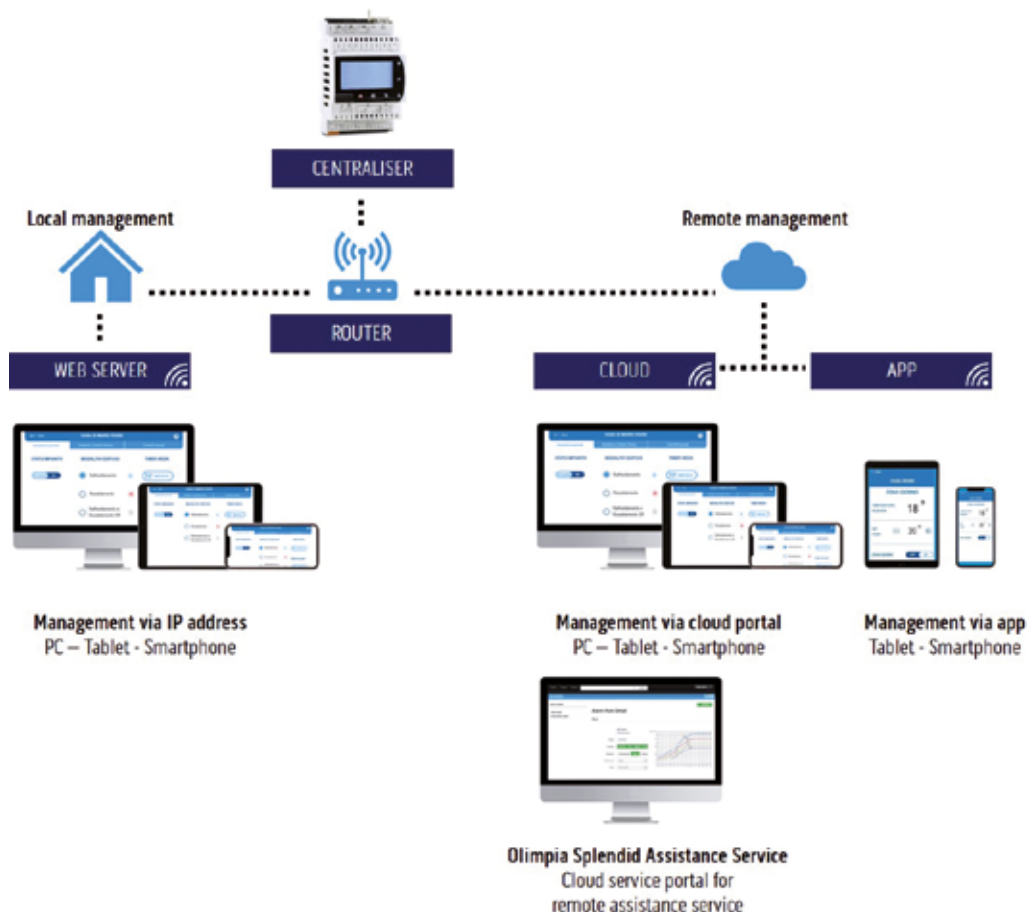
Sitali HRV range** or third-party HRV*



Towel warmers**



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 30 Bi2 fan coil units and relative controls (divided up to a maximum of 10 independent environments);
- 1 heat pump from among Sherpa S2/S3, Sherpa Aquadue S2/S3, Sherpa Tower S2/S3, Sherpa Aquadue Tower S2/S3 and Sherpa Monobloc S1/S2 E (or other third-party generators)*;
- up to 4 towel warmers, with relative thermostats**;
- 1 direct zone circulator output;
- 1 outdoor air temperature probe.

HVR:

- 1 group output for Sitali** (or other third-party HVR)*.

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 10 total environments with fan coil units and 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.

Heat pump temperature settings

With SiOS Control, the user can change the water set points of the heat pump and activate any climatic curves for summer and winter operation.



* 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.

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 (B0928), which can be purchased by contacting Olimpia Splendid customer service via email at info@olimpiasplendid.it.

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.



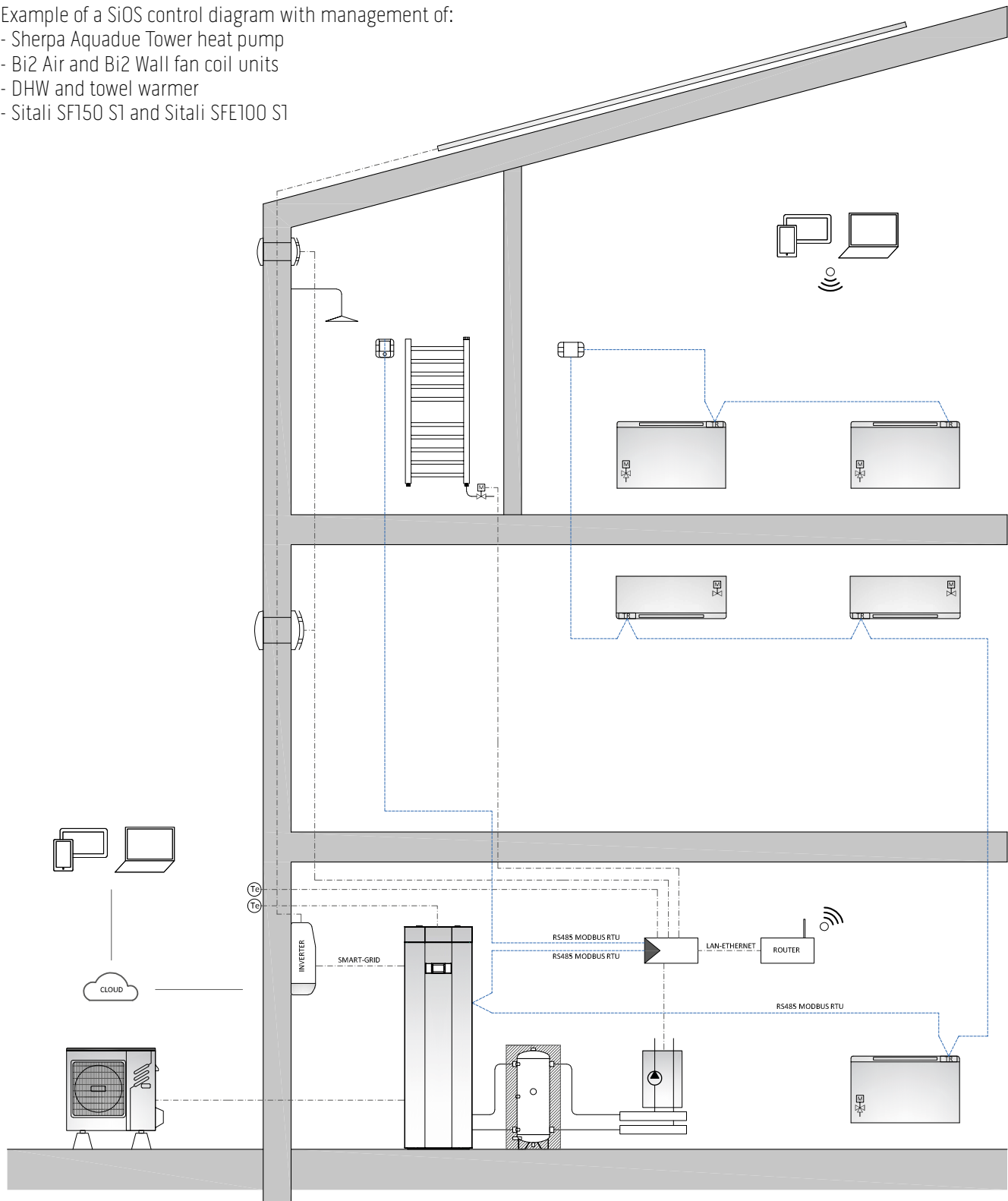
COMPONENTS

	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.
	B0860	Wall ambient T-H probe kit Wall thermostat necessary to control installations and/or environments with 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 towel warmers. Shows the temperature and relative humidity.
	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 over 500 meters of communication line).
	B0623	Outdoor air temperature probe kit Shielded probe to measure the outdoor air temperature
	AV003	Start-up SiOS Control Start-up SiOS Control: the remote use requires a two-year subscription (REQUIRED)
	B0928	SiOS Control two-year subscription A two-year SiOS Control subscription can be purchased by contacting Olimpia Splendid customer service via email at info@olimpiasplendid.it

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.

Example of a SiOS control diagram with management of:

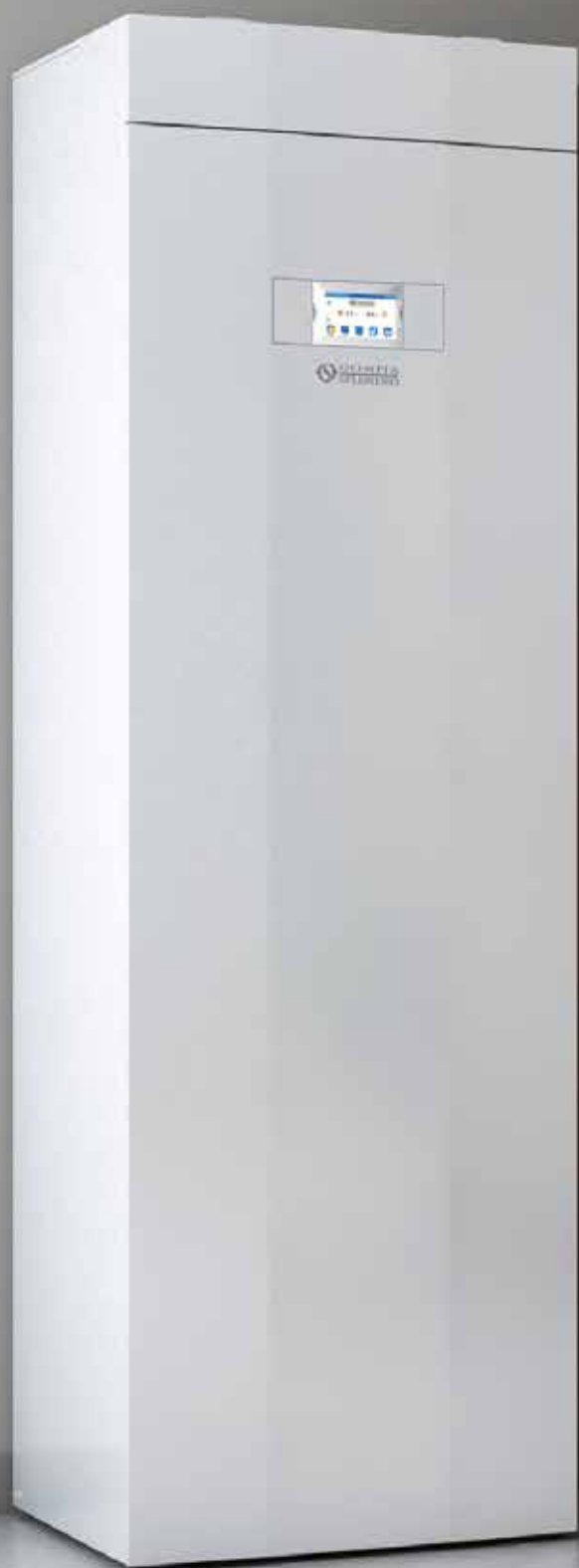
- Sherpa Aquadue Tower heat pump
- Bi2 Air and Bi2 Wall fan coil units
- DHW and towel warmer
- Sitali SF150 S1 and Sitali SFE100 S1



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	CENTRAL SIOS CONTROL UNIT
	B0860	WALL MOUNTED ROOM PROBE KIT T-H
	B0861	BUILT-IN ROOM PROBE KIT T-H
	B0863	RTU-ASCII FANCOILS SIGNAL CONVERTER KIT
	B0623	OUTDOOR AIR TEMPERATURE PROBE KIT





SHERPA

Air-water heat pumps, split and monobloc, and heat pump water heaters



Certified product quality

To promote an effective and efficient energy transition

HP Keymark e EHPA Quality Label

The performance of the Sherpa heat pumps, split and monobloc, are certified by HP Keymark and, for the Austrian and Swiss markets, also by the EHPA Quality Label: two points of reference in the sector, which testify to compliance with the strict European performance and safety standards established by the European standards EN 16147, EN 14825 and EN 12102.

Smart Grid Ready

All Sherpa heat pumps can have a contact that allows you to increase the self-consumption of the energy produced by the photovoltaic system, storing the overproduction and reducing the quantity to be purchased from the grid, even when solar radiation is absent. The set-up of the heat pumps to communicate with an electrical grid is certified by the German body BWP.





Aquadue patented technology

Innovation that ensures simultaneously comfort and DHW

Double refrigeration circuit

Sherpa Aquadue by Olimpia Splendid is the series of multipurpose split heat pumps for residential use that stands out for its patented double refrigeration circuit, which allows providing cooling/heating and producing DHW at the same time. In addition to avoiding interruptions in providing indoor comfort, it is thus possible to recover energy during summer cooling, increasing the efficiency of the system.



High temperature Domestic Hot Water

The double refrigeration circuit also allows the DHW to be brought to 75°C autonomously, without the aid of electric heating elements or additional generators, generating two further advantages. With Sherpa Aquadue heat pumps it is possible to avoid the periodic use of anti-legionella cycles and reduce the volume of the boiler by up to 30% for the same quantity of DHW that can be delivered, thus obtaining smaller overall dimensions.

Split air-water heat pumps

Production of comfort and DHW

SINGLE-PHASE

SHERPA AQUADUE

Multi-purpose

S2

Download

Technical data sheet for the entire S2 range



Outdoor units

UE Sherpa S2
E 4 (02001)

UE Sherpa S2
E 6 (02002)

10

SUSPENDED VERSION

UI Sherpa Aquadue
S2 E Small (02042)

TOWER VERSION

UI Sherpa Aquadue Tower
S2 E Small (02044)



SHERPA

Traditional

S2

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)



SHERPA AQUADUE

Multi-purpose

S3



Outdoor units

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

UI Sherpa Aquadue
S3 E Small (02296)

TOWER VERSION

UI Sherpa Aquadue Tower
S3 E Small (02298)



SHERPA

Traditional

S3



Outdoor units

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

UI Sherpa
S3 E Small (02294)

TOWER VERSION

UI Sherpa Tower
S3 E Small (02300)



SHERPA COLD

For cold climates



Outdoor units

UE Sherpa
Cold 10 (02269)

SUSPENDED VERSION

UI Sherpa Cold
(02276)



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)		UE Sherpa S2 16T (02010)	
UI Sherpa Aquadue S2 Big (02043)									
UI Sherpa Aquadue Tower S2 Big (02045)									
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)		UE Sherpa S2 16T (02010)	
UI Sherpa S2 Big (02041)									
UI Sherpa Tower S2 Big (02047)									
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)									
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)									
		UE Sherpa Cold 15 (02273)							UE Sherpa Cold 18T (02275)
		UI Sherpa Cold (02277)							UI Sherpa Cold (02278)

HEAT PUMPS

FAN COIL UNITS

HRV

UNICO

MONO AND MULTISPLIT

PORTABLES

DEHUMIDIFIERS

Monobloc air-water heat pumps and heat pump water heaters

		SINGLE-PHASE				
Production of comfort and DHW		4	6	8	10	
SHERPA MONOBLOC Monobloc	S2	Outdoor units		Sherpa Monobloc S2 E 6 (02303)	Sherpa Monobloc S2 E 8 (02304)	Sherpa Monobloc S2 E 10 (02305)
			 	 	 	
						
Production of only DHW		200		260		
SHERPA SHW Water heater in heat pump	S2	Indoor Units	Sherpa SHW S2 200 (02385)		Sherpa SHW S2 260S (02386)	
						
						

Energy efficiency classes in heating (water at 35°C - average climate) on a range between A+++ and D



THREE-PHASE

12	14	15	16	10T	12T	14T	15T	16T	18T
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 (02311)	
									



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.



PHOTOVOLTAIC INTEGRATION

Thanks to the appropriate contact, it is possible to activate an increase in the heating/DHW temperature and a decrease in the cooling temperature, thereby accumulating thermal energy in the event of overproduction of the photovoltaic system.



FEATURES

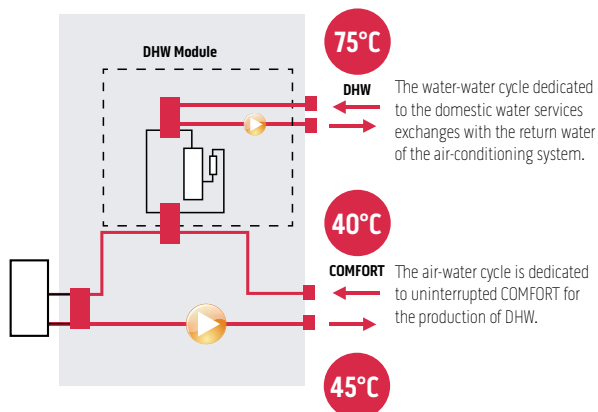
- **Inverter air-water heat pump with R32 refrigerant**
- **Energy efficiency class** in average climate heating up to: A+++ (35°C) and A++ (55°C) on a range between A+++ and D.
- **Powers available:** 10 powers with refrigerant R32 single-phase (4-6-8-10-12-14-16 kW) and three-phase (12-14-16 kW).
- **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 refrigeration 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

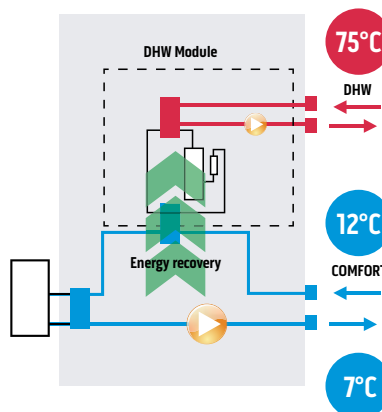
Production of DHW guaranteed regardless of the outside temperature for optimal operation all year round, not guaranteed by traditional heat pumps.



COOLING MODE

+DHW at a high temperature with energy recovery

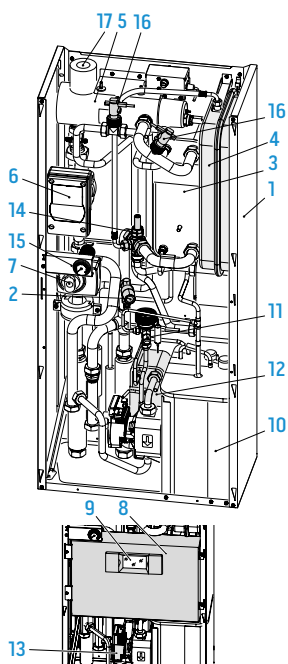
The energy normally dissipated outside is recovered and used to produce DHW up to 75°C.



* 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

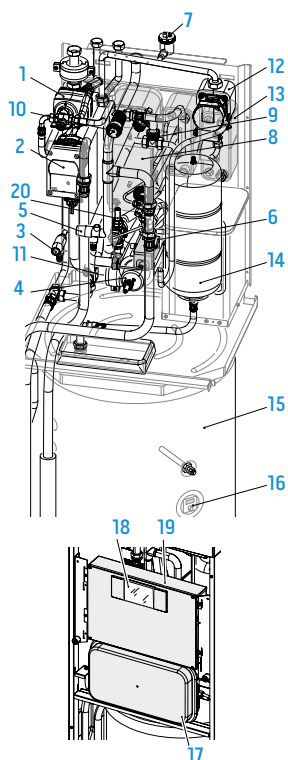
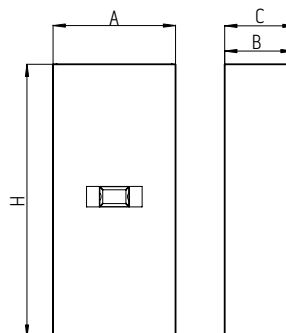
LAYOUT, DIMENSIONS, WEIGHT



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

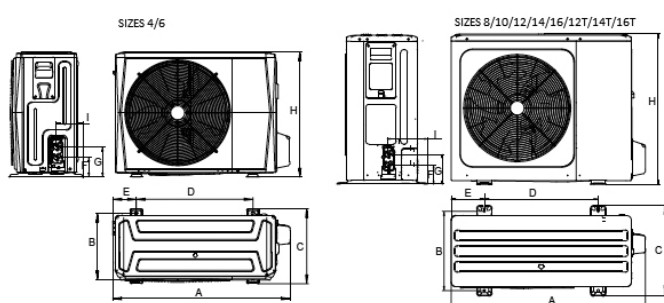
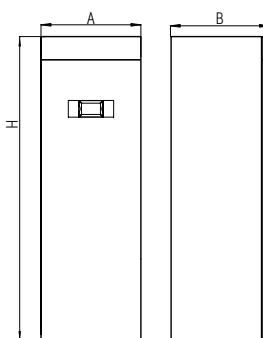
		4	6	8	10	12	14	16	12T	14T	16T
		SMALL				BIG					
A	mm	500	500	500	500	500	500	500	500	500	500
B	mm	280	280	280	280	280	280	280	280	280	280
C	mm	288	288	288	288	288	288	288	288	288	288
H	mm	1116	1116	1116	1116	1116	1116	1116	1116	1116	1116
Weight	kg	70	70	70	70	70	70	70	70	70	70



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		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		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			
η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		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		
	System circulator absorption			W	3 - 87			3 - 87			3 - 87			3 - 87		
ELECTRICAL DATA	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 resistors active			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		
	Compressor type				Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter			Twin Rotary DC Inverter		
HYDRAULIC DATA	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 connections for the technical water system			"	8			8			8			8		
	System technical water expansion tank capacity			l	8			8			8			8		
	Load profile according to EN16147				L			L			L			L		
INTEGRATED DHW BOILER	DHW production energy efficiency class	Average Climate			A			A			A			A		
	η _{HW} (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"		
	DHW circuit heating power	w35 - w55	(r)	kW	2,15			2,15			2,15			2,15		
SECONDARY DHW COOLING CIRCUIT	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		

SINGLE-PHASE R32 TECHNICAL DATA					T2			T4			T6		
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	
	η _s (Seasonal efficiency for space heating)	Warmer Climate		η _s %		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	
	η _s (Seasonal efficiency for space heating)	Average Climate		η _s %		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	
	η _s (Seasonal efficiency for space heating)	Cold Climate		η _s %		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	
	η _s (Seasonal efficiency for space heating)	Warmer Climate		η _s %		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	
	η _s (Seasonal efficiency for space heating)	Average Climate		η _s %		135,1%			135,6%			133,3%	
NOISE LEVEL	Energy efficiency class in water heating 55°C	Cold Climate				A+			A+			A+	
	SCOP	Cold Climate				3,02			3,05			3,12	
	η _s (Seasonal efficiency for space heating)	Cold Climate		η _s %		117,8%			118,9%			121,8%	
	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 resistors active			A		31,0			31,0			31,0	
	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	
	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"	
COOLING CIRCUIT	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 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	
	DHW production energy efficiency class	Average Climate				A			A			A	
HYDRAULIC DATA	η _{HW} (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"	
	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	
SECONDARY DHW COOLING CIRCUIT	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
 (e) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
 (f) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
 (g) Heating mode, external air temperature -7°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
 (h) Heating mode, external air temperature -15°C b.s./-16°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
 (j) 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

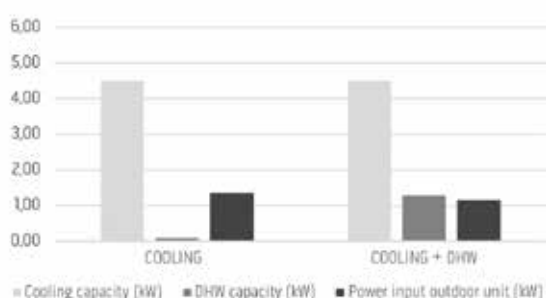
(n) Sound pressure values measured at a distance of 1 m in a semi-anechoic chamber
 (o) Sound pressure values measured at a distance of 4 m in free field distance
 (p) Non-air-tightly sealed equipment containing fluorinated GAS
 (q) Maximum length of the refrigeration pipes beyond which checks on the 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
 Energy efficiency classes refer to a range between A+++ and D.

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		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		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 resistors active			A	31,0			31,0			31,0		
	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 connections for the technical water system			"	1"			1"			1"		
	System technical water expansion tank capacity			l	8			8			8		
HYDRAULIC DATA	Load profile according to EN16147				L			L			L		
	DHW production energy efficiency class	Average Climate			A			A			A		
	η _{HW} (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 -2°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) Heating mode, external air temperature 7°C b.s./6°C b.u., inlet/outlet water temperature 40°C/45°C
(f) Heating mode, external air temperature 2°C b.s./1°C b.u., inlet/outlet water temperature 40°C/45°C
(g) Heating mode, external air temperature -2°C b.s./-8°C b.u., inlet/outlet water temperature 40°C/45°C
(h) Heating mode, external air temperature -15°C b.s./-16°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
(j) Cooling mode, external air

			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

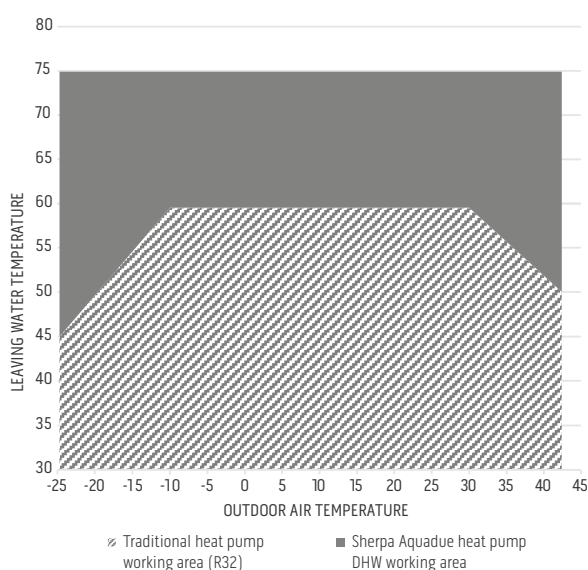


COOLING + DHW WITH ENERGY RECOVERY

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

			pensile	torre
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 54

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.

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.



PHOTOVOLTAIC INTEGRATION

Thanks to the appropriate contact, it is possible to activate an increase in the heating/DHW temperature and a decrease in the cooling temperature, thereby accumulating thermal energy in the event of overproduction of the photovoltaic system.



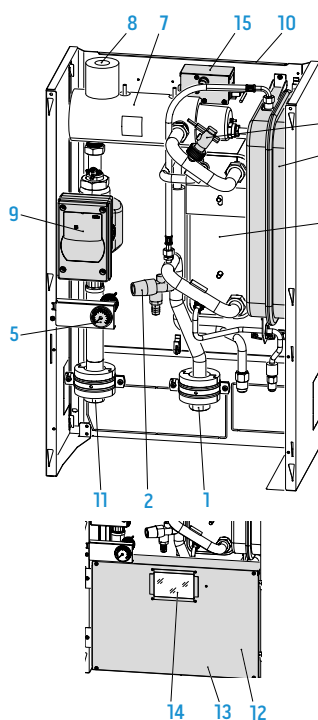
FEATURES

- **Inverter air-water heat pump with R32 coolant gas**
- **Energy efficiency class** in medium climate heating: A+++ (35°C) and A++ (55°C) on a range between A+++ and D.
- **Available powers:** 10 powers with single-phase R32 coolant gas (4-6-8-10-12-14-16 kW) and three-phase (12-14-16 kW)
- **It supplies DHW** with temperatures up to 60° C.
- **DHW management:** Sherpa allows you to manage domestic hot water with extreme flexibility through two management modes: water probe inserted in the boiler or thermostat contact of the boiler (only for wall-mounted version).
- **Climatic curves** with external air temperature probe: two curves available, one for cooling and one for heating.
- **Smart Grid:** the heat pump is set up to communicate with an intelligent electricity grid and is certified SG Ready, according to the requirements of the German BWP Institute.
- **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 through a remote contact.
- **Double-stage electric heaters as standard:** configurable as single or double-stage, it can be activated to support the heat pump, through verification by the electronic control of the real thermal capacity of the heat pump. Each stage is activated according to the real 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.
- **Coolant gas R32***
- **High efficiency integrated 200 L boiler** (only for tower version).
- **Components included** (only for tower version): system filling tap, 3-way valve.
- **Optional kit** (only for tower version): thermostatic mixer and DHW expansion vessel.
- **Operating limits:** up to -25°C, +43°C (see technical manuals for details).
- **Integrated heating cable** to prevent water freezing in the drip pan for sizes 12-14-16 and 12T-14T-16T. The heating cable intervenes during the machine's defrost operations or when the ambient air is below -7°C and stops when it exceeds 4°C (electrical absorption of 85W).

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



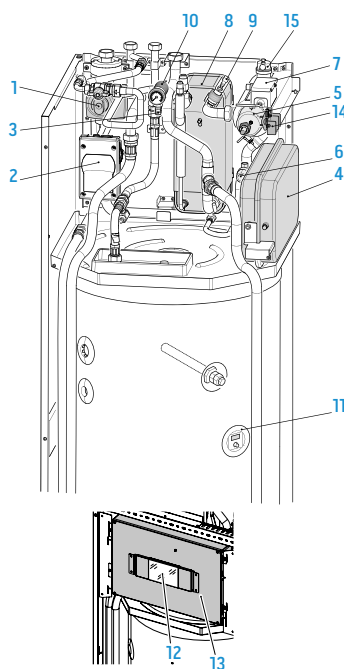
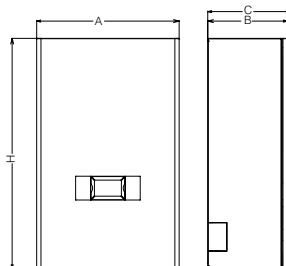
LAYOUT, DIMENSIONS, WEIGHT



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

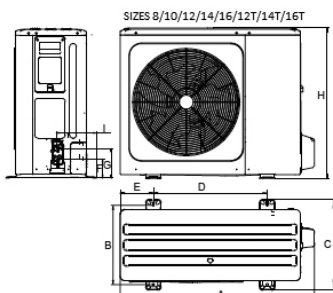
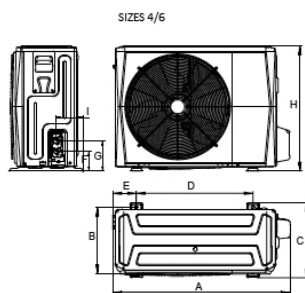
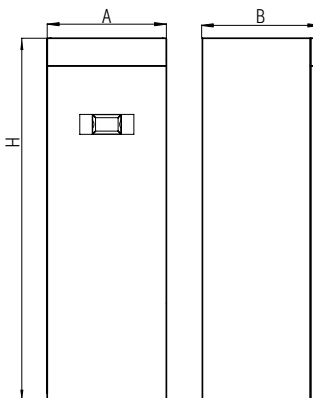
		4	6	8	10	12	14	16	12T	14T	16T
		SMALL				BIG					
A	mm	500	500	500	500	500	500	500	500	500	500
B	mm	280	280	280	280	280	280	280	280	280	280
C	mm	296	296	296	296	296	296	296	296	296	296
H	mm	810	810	810	810	810	810	810	810	810	810
Weight	kg	36	36	36	36	36	36	36	36	36	36



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		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		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		
	System circulator absorption			W	3 - 87			3 - 87			3 - 87			3 - 87		
ELECTRICAL DATA	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 resistors active			A	14,10			14,10			14,10			14,10		
	Maximum power absorbed indoor unit with additional active heating elements			kW	3,22			3,22			3,22			3,22		
	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 connections			"	1"			1"			1"			1"		
	Capacity of expansion vessel			l	8			8			8			8		
INTEGRATED DHW BOILER	Load profile according to EN16147				XL			XL			XL			XL		
	DHW production energy efficiency class	Average Climate			A+			A+			A+			A+		
	η ₁ DHW (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"		

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	-
	Energy efficiency class in water heating 35°C	Warmer Climate				A+++			A+++			A+++	
	SCOP	Warmer Climate				6,48			6,58			6,47	
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %			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	
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %			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	
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %			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	
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %			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	
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %			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	
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %			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 internal unit with additional active heating elements			A		27,20			27,20			27,20	
	Maximum power absorbed indoor unit with additional active heating elements			kW		6,22			6,22			6,22	
	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	
	Load profile according to EN16147					XL			XL			XL	
	DHW production energy efficiency class	Average Climate				A			A			A	
	η ₁ DHW (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		24			24			24	
INTEGRATED DHW BOILER	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
 Energy efficiency classes refer to a range between A+++ and D.

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		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		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		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		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			
η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		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 internal unit with additional active heating elements			A	27,20			27,20			27,20		
	Maximum power absorbed indoor unit with additional active heating elements			kW	6,22			6,22			6,22		
	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		
HYDRAULIC DATA	Refrigerant piping length limit without minimum surface check according to IEC 60335-2-40:2018	max	(q)	m	15			15			15		
	Hydraulic connections			"	1"			1"			1"		
	Capacity of expansion vessel			l	8			8			8		
	Load profile according to EN16147				XL			XL			XL		
INTEGRATED DHW BOILER	DHW production energy efficiency class	Average Climate			A			A			A		
	η ₁ HW (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		
ONLY FOR SHERPA TOWER	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
 Energy efficiency classes refer to a range between A+++ and D.

ACCESSORIES

suspended

tower

	B0971	Thermostatic mixing valve kit for DHW	—	○
	B0972	Expansion tank kit for DHW	—	○
	B0918	Kit Sherpa Flex Box AS	≤10	—
	B0961	Kit Sherpa Flex Box AS RAL 9016	≤10	—
	B1120	Sherpa Flex Box adapter kit	≤10	—
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 54

BMS

HEAT PUMPS

FAN COIL UNITS

HRV

UNICO

MONO AND MULTISPLIT

PORTABLES

DEHUMIDIFIERS

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.

Heat Pump Controls

In-depth analysis of the different control possibilities

The Sherpa and Sherpa Aquadue heat pumps, in the wall-mounted or tower versions, can be configured using an easy and intuitive touchscreen interface, accessible both from the machine and from the optional control panel.

STANDARD | Touchscreen on the machine



MODES

To deactivate the system (stand-by), set the cooling/heating switch or take advantage of the special modes, which ensure maximum energy saving (eco), minimum night noise (night) or DHW production using all the power (turbo).



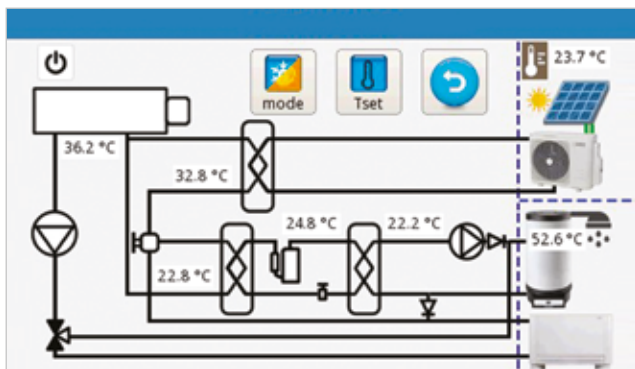
SET POINT

To change the different set points with a simple touch (if the set-point mode with climate curve is not enabled).



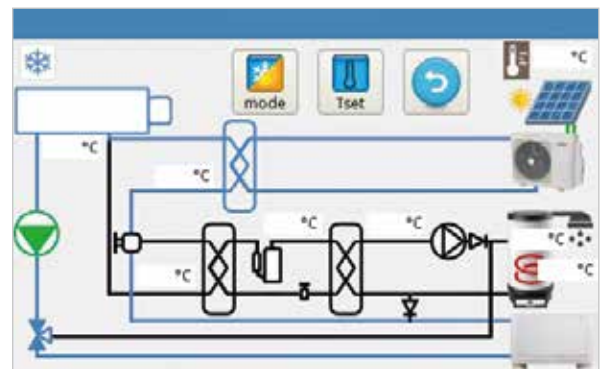
TIMERS

To access the programming available for climate comfort and DHW production, including night and holiday modes.



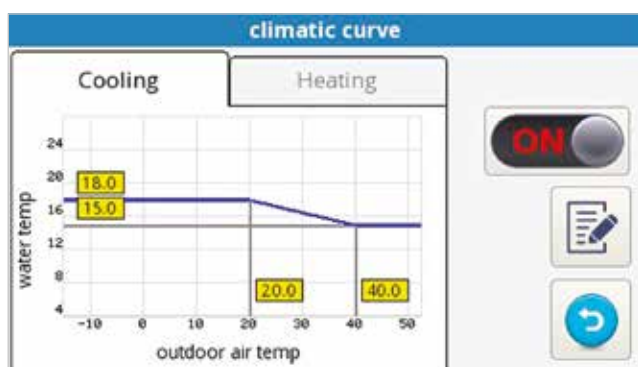
PHOTOVOLTAIC CONTACT

To activate a set point delta on the DHW, the heating and cooling, accumulating thermal energy when there is an overproduction of electricity from the photovoltaic system.



SOLAR THERMAL PROBE

To produce DHW with solar thermal only, inhibiting the heat pump in certain conditions, if the delivery temperature of the solar panels is above a certain value or if the difference between the delivery temperature of the panels and the boiler set point one is higher than the set value.



CLIMATIC CURVES

To optimise energy saving, adapting the water temperature to the outside air temperature and therefore to the thermal load.

From the standard touchscreen control it is also possible to manage:

LOW TEMPERATURE ACTIVATION

To activate the heaters and allow heating of the screed in the case of a radiant system.

COMMUNICATION PROTOCOL

For combination with home automation systems, choosing between the ModBus RTU or ASCII protocol.

OPTIONAL | Remote control panel (code B0931)

In cases where control of the heat pump is possible or preferable in an environment other than the one where the internal unit is installed, the control can easily be accessed remotely. Through the special kit for remote control panel, the touchscreen interface is thus accessible up to 10 metres away (cable length 10 metres).



Kit Sherpa Flex Box

Freestanding technical cabinet for Sherpa and Sherpa Aquadue split heat pumps, hanging version



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 heat pump 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
B1120	Sherpa Flex Box adapter kit

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.



FEATURES

- Dimensions (W x D x H): 998 x 415 x 2280 mm
- System connections from below or from the back
- Condensation 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).

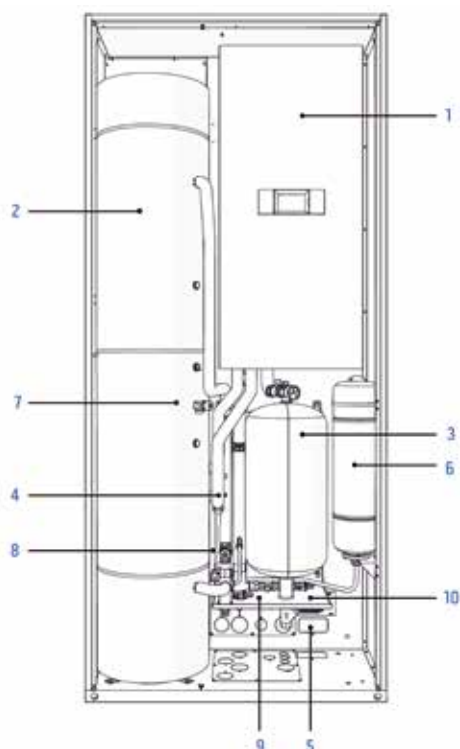
TYPES OF INSTALLATION

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).





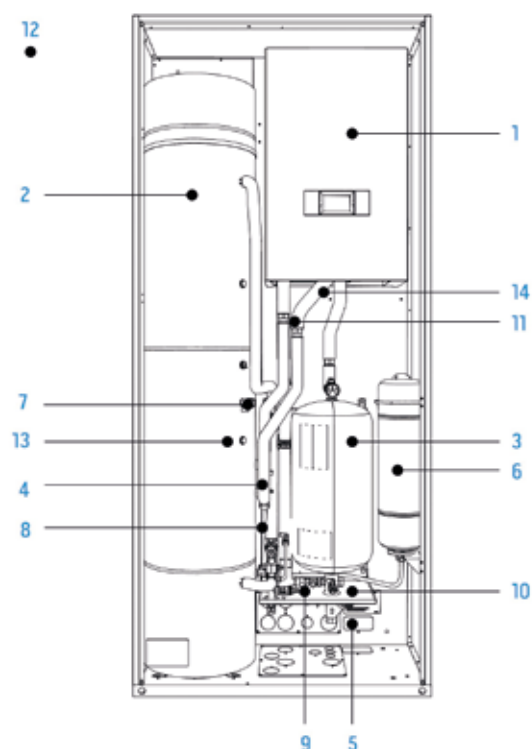
COMPATIBILITY SHERPA AQUADUE

- Sherpa Aquadue S2 E multi-purpose heat pumps, wall-mounted version, in sizes 4 and 6 (UI Sherpa Aquadue S2 E Small 02042).
- Sherpa Aquadue S3 E multi-purpose heat pumps, wall-mounted version, in sizes 4, 6, 8 and 10 (UI Sherpa Aquadue S3 E Small 02296).

1. UI Sherpa Aquadue S2/S3 E Small | **Code 02042/02296**

- 2. Domestic hot water cylinder 150 liters -INOX AISI 316L
- 3. Technical storage tank plant 28 liters -INOX AISI 316L
- 4. Kettle return filter
- 5. Plant return filter
- 6. Sanitary expansion tank 12 liters
- 7. Sanitary safety valve 6 bar
- 8. Sanitary thermostatic mixing valve
- 9. Micrometric holder for By-Pass
- 10. Condensation drip pan

Components included in
codes B0918/B0961



SHERPA COMPATIBILITY

- Sherpa S2 E traditional heat pumps, wall-mounted version, in sizes 4 and 6 (UI Sherpa S2 E Small 02040).
- Sherpa S3 E traditional heat pumps, wall-mounted version, in sizes 4, 6, 8 and 10 (UI Sherpa S3 E Small 02294).

1. UI Sherpa S2/S3 E Small | **(02040/02294)**

- 2. Domestic hot water cylinder 150 liters -INOX AISI 316L
- 3. Technical storage tank plant 28 liters -INOX AISI 316L
- 4. Kettle return filter
- 5. Plant return filter
- 6. Sanitary expansion tank 12 liters
- 7. Sanitary safety valve 6 bar
- 8. Sanitary thermostatic mixing valve
- 9. Micrometric holder for By-Pass
- 10. Condensation drip pan

Components included in
codes B0918/B0961

- 11. 3-way valve kit for DHW | **Code B0916**
- 12. Outdoor air temperature probe kit | **Code B0623**
- 13. DHW cylinder sensor kit | **Code B0624**
- 14. Flex Box Adapter Kit | **Code B1120**

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.



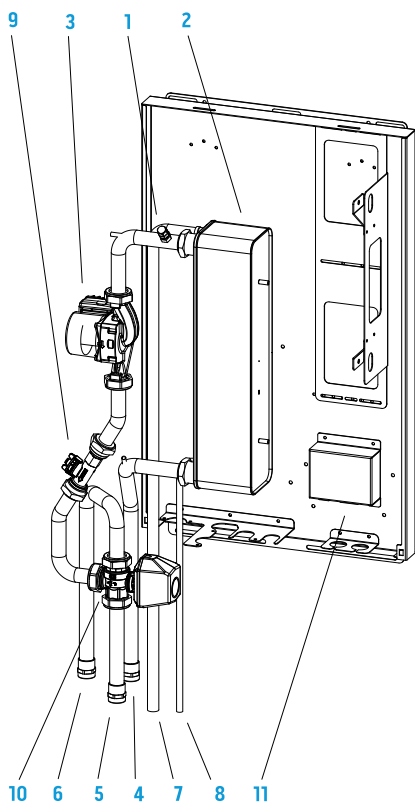
FEATURES

- **Air-to-water inverter heat pump**
- **energy efficiency class** in heating medium climate: up to A+++ (35°C) and A++ (55°C) on a range between A+++ and D.
- **Energy efficiency class** in heating cold climate: up to A+ (35°C) and A+ (55°C) on a range between A+++ and D.
- **Available powers:** 2 powers with single-phase R410A refrigerant (10-15 kW) and 1 powers with three-phase R410A refrigerant (18 kW)
- **Provides DHW** with temperature up to 55° C.
- Inverter steam-injected Scroll **compressor**
- **Expansion valve:** electronic
- **Refrigerant circuit** with economizer
- Color touchscreen **remotecontrol panel**
- **Maintenance** of machine **output** even in cold outside temperatures
- **Optimization** of machine **defrost cycles** and excellent performance even at cold outside temperatures
- **Operating limits:** down to -32°C, +48°C (see technical manuals for details)
- **Refrigerant gas** R410A*
- **External air probe** integrated in the machine
- **Devices supplied with the machine:**
 - metal frame for outdoor installation touch panel
 - pair of 250 mm high metal feet with vibration dampers
 - rear metal mesh for battery protection
 - integration kit - relay for activation of boiler or other electrical resistance
 - domestic hot water management kit - k1 relay, 1"1/4" 3-way valve, b3 probe
 - heating resistor condensation drain pipe
 - fan grille for noise reduction 800mm diameter (sizes 15,15T,18T)

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



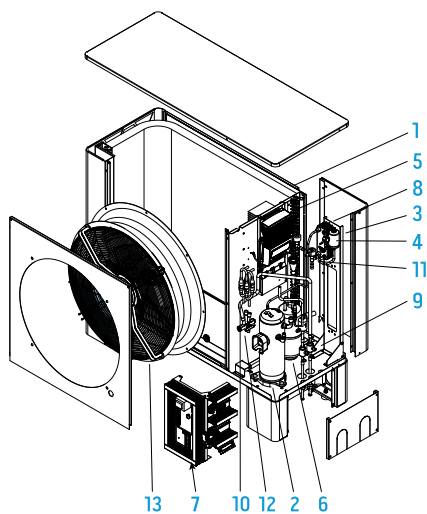
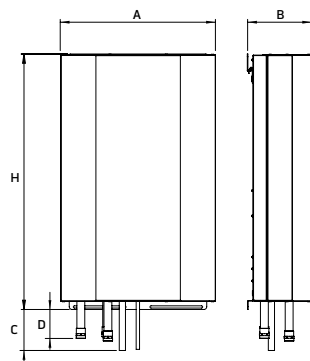
LAYOUT, DIMENSIONS, WEIGHT



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

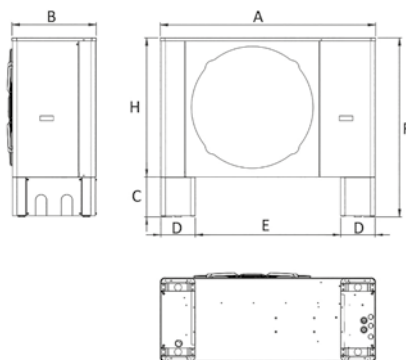
		10	15	18 T
A	mm	550	550	550
B	mm	228	228	228
C	mm	147	147	147
D	mm	100	100	100
H	mm	907	907	907
Weight	kg	50	50	50



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



TECHNICAL DATA					10			15		
ODU Sherpa Cold					02269			02273		
IDU Sherpa Cold					02276			02277		
Compressor frequency					Minimum	Nominal	Maximum	Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	3.90	9.60	-	5.51	14.40	-
	COP	a7/6 - w30/35	(a)	W/W	-	4.27	-	-	4.68	-
	Heating power	a2/1 - w30/35	(b)	kW	4.80	9.60	-	6.82	14.40	-
	COP	a2/1 - w30/35	(b)	W/W	-	3.83	-	-	3.85	-
	Heating power	a-7/-8 - w30/35	(c)	kW	4.17	9.60	-	6.26	14.40	-
	COP	a-7/-8 - w30/35	(c)	W/W	-	2.98	-	-	2.98	-
	Heating power	a-15/-16 - w30/35	(d)	kW	3.72	8.93	-	5.52	13.25	-
	COP	a-15/-16 - w30/35	(d)	W/W	-	2.26	-	-	2.57	-
	Heating power	a-20/-19 - w30/35	(r)	kW	3.28	7.87	-	4.88	11.71	-
	COP	a-20/-19 - w30/35	(r)	W/W	-	2.09	-	-	2.43	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	3.90	9.60	-	5.51	14.40	-
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3.33	-	-	3.53	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	4.80	9.60	-	6.82	14.40	-
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	2.82	-	-	3.08	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	4.17	9.60	-	6.26	14.40	-
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2.33	-	-	2.45	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	3.68	8.83	-	5.36	12.86	-
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	1.90	-	-	2.03	-
	Heating power (fancoils)	a-20/-19 - w40/45	(s)	W/W	3.17	7.61	-	4.80	11.52	-
	COP (fancoils)	a-20/-19 - w40/45	(s)	W/W	-	1.76	-	-	1.92	-
	Cooling power	a35 - w23/18	(l)	kW	3.53	8.40	-	4.08	11.31	-
	EER	a35 - w23/18	(l)	W/W	-	4.26	-	-	4.45	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	2.71	6.44	-	3.13	8.67	-
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	3.31	-	-	3.45	-
EFFICIENCIES	Energy efficiency class in water heating 35°C	Warmer Climate			A+++			A+++		
	SCOP	Warmer Climate			4.62			4.79		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		181.8			188.6		
	Energy efficiency class in water heating 35°C	Average Climate			A+++			A+++		
	SCOP	Average Climate			4.50			4.60		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		177.3			181.1		
	Energy efficiency class in water heating 35°C	Cold Climate			A+			A+		
	SCOP	Cold Climate			3.60			3.71		
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		141.1			145.3		
	Energy efficiency class in water heating 55°C	Warmer Climate			A++			A++		
	SCOP	Warmer Climate			3.27			3.45		
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %		127.8			135.1		
	Energy efficiency class in water heating 55°C	Average Climate			A++			A++		
	SCOP	Average Climate			3.23			3.37		
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %		126.3			131.9		
NOISE LEVEL	Energy efficiency class in water heating 55°C	Cold Climate			A+			A+		
	SCOP	Cold Climate			2.68			2.76		
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %		104.2			107.3		
	Indoor unit sound power			dB(A)	36			36		
	Indoor unit sound pressure		(n)	dB(A)	30			30		
	Outdoor unit sound power (nominal)			dB(A)	53.4			52.9		
	Outdoor unit sound pressure (nominal)		(o)	dB(A)	33.5			33		
	System circulator absorption			W	75			75		
ELECTRICAL DATA	Supply voltage indoor unit			V/ph/Hz	230/1/50			230/1/50		
	Maximum absorbed current of the internal unit			A	0.33			0.33		
	Maximum power consumption of the internal unit			kW	0.75			0.75		
	Additional electric heating elements			kW	-			-		
	Supply voltage outdoor unit			V/ph/Hz	230/1/50			230/1/50		
	Outdoor unit maximum absorbed current			A	24.6			38.7		
COOLING CIRCUIT	Outdoor unit maximum absorbed power			kW	5.1			8.0		
	Compressor type				Scroll with injection			Scroll with injection		
	Refrigerant inlet connection diameter			"	See installation manual			See installation manual		
	Coolant gas		(p)		R410A			R410A		
	Global warming potential			GWP	2088			2088		
	Refrigerant gas charge			kg	5			6.5		
	Refrigerant piping length limit without minimum surface verification		(q)		-			-		
	Hydraulic connections			"	1"			1"		
HYDRAULIC DATA	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
Energy efficiency classes refer to a range between A+++ and D.

TECHNICAL DATA					18 T		
ODU Sherpa Cold					02275		
IDU Sherpa Cold					02278		
Compressor frequency					Minimum	Nominal	Maximum
PUNCTUAL PERFORMANCE	Heating power	a7/6 - w30/35	(a)	kW	6.24	17.28	-
	COP	a7/6 - w30/35	(a)	W/W	-	4.34	-
	Heating power	a2/1 - w30/35	(b)	kW	7.78	17.28	-
	COP	a2/1 - w30/35	(b)	W/W	-	3.37	-
	Heating power	a-7/-8 - w30/35	(c)	kW	7.20	17.28	-
	COP	a-7/-8 - w30/35	(c)	W/W	-	2.61	-
	Heating power	a-15/-16 - w30/35	(d)	kW	6.40	15.36	-
	COP	a-15/-16 - w30/35	(d)	W/W	-	2.23	-
	Heating power	a-20/-19 - w30/35	(r)	kW	5.60	13.44	-
	COP	a-20/-19 - w30/35	(r)	W/W	-	2.03	-
	Heating power (fancoils)	a7/6 - w40/45	(f)	kW	6.24	17.28	-
	COP (fancoils)	a7/6 - w40/45	(f)	W/W	-	3.05	-
	Heating power (fancoils)	a2/1 - w40/45	(g)	kW	7.78	17.28	-
	COP (fancoils)	a2/1 - w40/45	(g)	W/W	-	2.80	-
	Heating power (fancoils)	a-7/-8 - w40/45	(h)	kW	7.20	17.28	-
	COP (fancoils)	a-7/-8 - w40/45	(h)	W/W	-	2.20	-
	Heating power (fancoils)	a-15/-16 - w40/45	(i)	kW	5.80	13.92	-
	COP (fancoils)	a-15/-16 - w40/45	(i)	W/W	-	1.90	-
	Heating power (fancoils)	a-20/-19 - w40/45	(s)	W/W	5.20	12.48	-
	COP (fancoils)	a-20/-19 - w40/45	(s)	W/W	-	1.79	-
EFFICIENCIES	Cooling power	a35 - w23/18	(l)	kW	6.62	15.72	-
	EER	a35 - w23/18	(l)	W/W	-	4.11	-
	Cooling power (fancoils)	a35 - w12/7	(m)	kW	5.08	12.34	-
	EER (fancoils)	a35 - w12/7	(m)	W/W	-	2.99	-
	Energy efficiency class in water heating 35°C	Warmer Climate				A+++	
	SCOP	Warmer Climate				4.66	
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %			183.7	
	Energy efficiency class in water heating 35°C	Average Climate				A+++	
	SCOP	Average Climate				4.45	
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %			175	
	Energy efficiency class in water heating 35°C	Cold Climate				A+	
	SCOP	Cold Climate				3.44	
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %			134.6	
	Energy efficiency class in water heating 55°C	Warmer Climate				A+	
	SCOP	Warmer Climate				3.19	
	η _s (Seasonal efficiency for space heating)	Warmer Climate	η _s %			124.7	
	Energy efficiency class in water heating 55°C	Average Climate				A+	
	SCOP	Average Climate				3.13	
	η _s (Seasonal efficiency for space heating)	Average Climate	η _s %			122.2	
	Energy efficiency class in water heating 55°C	Cold Climate				A	
NOISE LEVEL	SCOP	Cold Climate				2.51	
	η _s (Seasonal efficiency for space heating)	Cold Climate	η _s %			97.4	
	Indoor unit sound power			dB(A)		37	
	Indoor unit sound pressure		(n)	dB(A)		31	
	Outdoor unit sound power (nominal)			dB(A)		54	
	Outdoor unit sound pressure (nominal)		(o)	dB(A)		34	
	System circulator absorption			W		85	
	Supply voltage indoor unit			V/ph/Hz		230/1/50	
	Maximum absorbed current of the internal unit with active heating elements			A		0.33	
	Internal unit maximum power consumption with active heating elements			kW		0.75	
	Additional electric heating elements			kW		-	
	Supply voltage outdoor unit			V/ph/Hz		400/3/50	
	Outdoor unit maximum absorbed current			A		13.6	
	Outdoor unit maximum absorbed power			kW		8.5	
	Compressor type					Scroll with injection	
	Refrigerant inlet connection diameter			"		See installation manual	
	Coolant gas		(p)			R410A	
	Global warming potential			GWP		2088	
	Refrigerant gas charge			kg		6.5	
HYDRAULIC DATA	Refrigerant piping length limit without minimum surface verification		(q)			-	
	Hydraulic connections			"		1"	
	Capacity of expansion vessel			l		-	

ACCESSORIES

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

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

Accessory description on page 54

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

S2



Compatible with:
Sios
CONTROL

Monobloc 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.



INTEGRATED WI-FI

By downloading the Comfort Home app you can manage all its features from your smartphone, even when away from home.



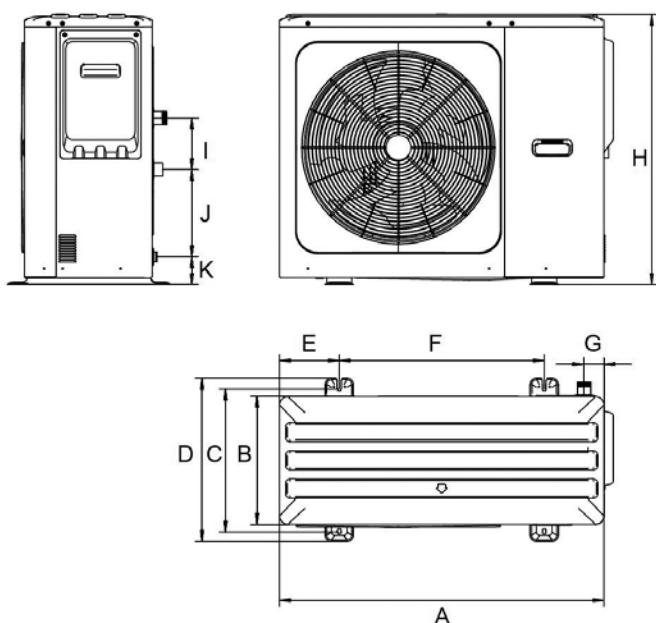
FEATURES

- **Air-water heat pump inverter with R32 refrigerant**
- **Energy efficiency class** in heating moderate climate: A+++ (35°C) e A++ (55°C) on a range between A+++ and D.
- **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).
- **Smart Grid:** the heat pump is prepared to dialogue with a smart electric grid and is SG Ready certified, according to the requirements of the German BWP Institute.

* 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

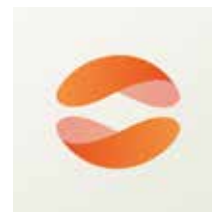
CASCADING

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.



(b) Heating mode, external air temperature 7°C , b.s./ 6°C b.u., inlet/outlet water temperature $30^{\circ}\text{C}/35^{\circ}\text{C}$
 (c) Heating mode, external air temperature 2°C , b.s./ 6°C b.u., inlet/outlet water temperature $30^{\circ}\text{C}/35^{\circ}\text{C}$
 (d) Heating mode, external air temperature 7°C , b.s./ 8°C b.u., inlet/outlet water temperature $30^{\circ}\text{C}/35^{\circ}\text{C}$
 (e) Heating mode, external air temperature -15°C b.s./ -16°C b.u., inlet/outlet water temperature $30^{\circ}\text{C}/35^{\circ}\text{C}$
 (f) Heating mode, external air temperature 7°C , b.s./ 6°C b.u., inlet/outlet water temperature $40^{\circ}\text{C}/45^{\circ}\text{C}$
 (g) Heating mode, external air temperature 2°C , b.s./ 6°C b.u., inlet/outlet water temperature $40^{\circ}\text{C}/45^{\circ}\text{C}$
 (h) Heating mode, external air temperature 7°C , b.s./ 8°C b.u., inlet/outlet water temperature $40^{\circ}\text{C}/45^{\circ}\text{C}$
 (i) Heating mode, external air temperature -15°C b.s./ -16°C b.u., inlet/outlet water temperature $40^{\circ}\text{C}/45^{\circ}\text{C}$

(q) maximum length of the refrigeration pipes beyond which checks on the minimum surface of the installation rooms are necessary, check the technical manual

Energy efficiency classes refer to a range between A+++ and D.

TECHNICAL DATA					12T			14T			16T		
Sherpa Monobloc S2 E					02309			02310			02311		
Compressor frequency					Min	Nom	Max	Min	Nom	Max	Min	Nom	Max
FUNCTIONAL 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		
	NOISE LEVEL	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		
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		
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		
ELECTRICAL DATA		Outdoor unit maximum absorbed current			A	9,5			10,5			11,5	
	Outdoor unit maximum absorbed power			kW	5,8			6,2			6,6		
	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 connections			"	G5/4 BSP			G5/4 BSP			G5/4 BSP		
	Capacity of expansion vessel			l	5			5			5		

ACCESSORIES

STORAGE TANKS / PUFFER	B0916	Kit 3-way valve for DHW		○
	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 54

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 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. The 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 260S.



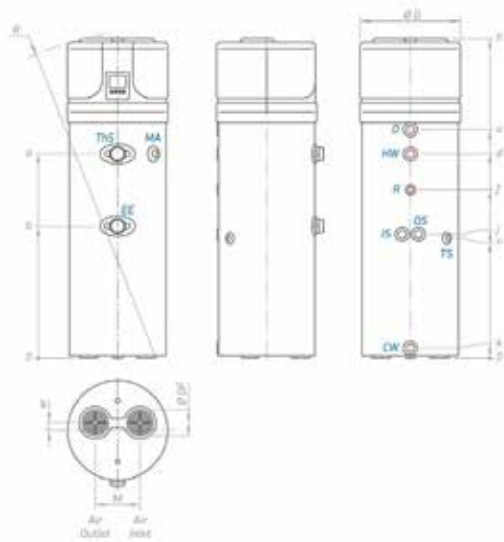
FEATURES

- **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+ over a range from A+ to F.
- **Working range** with heat pump and air temperature from -10°C to 43°C.
- **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.





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"

		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

TECHNICAL DATA

		SHERPA SHW S2 200	SHERPA SHW S2 260S
Electrical power supply	W/Ph/Hz	02385 220-240/1Ph+N/50	02386 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+
η _{WH} (average climate conditions - EU Regulation 812/2013)	%	118	124

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

*Ambient air temperature 20°C, water temperature from 15°C to 55°C.

**In relation to the auxiliary resistance. During the disinfection cycle, the temperature is raised to 70°C by the auxiliary heating element

***Ambient air temperature 7°C b.s./6°C b.u., water temperature from 10°C to 55°C (EN 16147).

****Ambient air temperature 14°C b.s./12°C b.u., water temperature from 10°C to 55°C (EN 16147).

(a) measured according to the EN 12102 standard under the conditions of the EN 16147 standard.

(b) calculated according to algorithm ISO 3744:2010 at 1 m from the unit.

(c) average climatic conditions (+7°C) according to regulation EU 812/2013

(d) non-hermetically sealed equipment containing fluorinated gas with GWP equivalent 1430.

Energy efficiency classes refer to a range between A+ and F.

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

Compact size and two-point control.



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	○	●

● 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**

Technical cabinet that makes it possible to create a compact system in heat pump with high installation flexibility.

Compatible with:

	suspended	tower		suspended	tower
SHERPA AQUADUE	≤10	—	SHERPA	≤10	—

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

Technical cabinet that makes it possible to create a compact system in a heat pump with high installation flexibility. Painted in white RAL 9016 (front/back for upper, lower side and front panels, no backs).

Compatible with:

	suspended	tower		suspended	tower
SHERPA AQUADUE	≤10	—	SHERPA	≤10	—

**B1120****Sherpa Flex Box adapter kit**

Accessory necessary for combining the Sherpa Flex Box AS Kit with the Sherpa S2/S3 heat pump (not Aquadue).

Compatible with:

	suspended	tower
SHERPA	≤10	—

**B0900****Cable for Modbus connection touch panel 100m**

Length 100 m. Required accessory supplied separately.

Compatible with:

SHERPA COLD	▼
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**B0899****Metallic frame for touch panel external installation**

Compatible with:

SHERPA COLD	○
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**B0906****Aesthetic fan cover front grille**

Compatible with:

SHERPA COLD	10
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**B0907****Aesthetic fan cover front grille**

Compatible with:

SHERPA COLD	≥ 15
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**B0915****Brass Y filter**

With 1" 1/4 couplers and 2" body

Compatible with:

SHERPA COLD	○
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**B0971****Thermostatic mixing valve kit for DHW**

Assembly in the machine must be carried out by the installer

Compatible with:

	suspended	tower
SHERPA	—	○

**B0972****Expansion tank kit for DHW**

Assembly in the machine must be carried out by the installer

Compatible with:

	suspended	tower
SHERPA	—	○



Storage tanks / puffer

01804 HE 200 L storage tank

Compatible with:

suspended tower

SHERPA AQUADUE	○	—
SHERPA	○	—

SHERPA COLD	10
SHERPA MONOBLOC	○

01805 HE 300 L storage tank

Compatible with:

suspended tower

SHERPA AQUADUE	○	—
SHERPA	○	—

SHERPA COLD	○
SHERPA MONOBLOC	○

01806 HES 300 L solar storage tank

Compatible with:

suspended tower

SHERPA AQUADUE	○	—
SHERPA	○	—

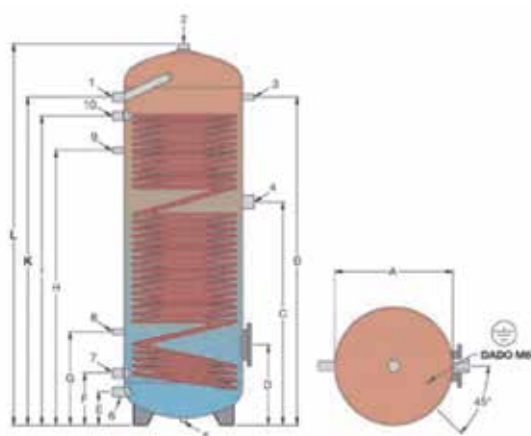
SHERPA COLD	≤ 15
SHERPA MONOBLOC	○



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.

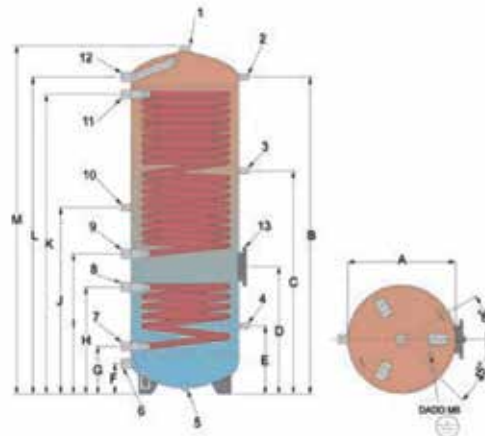
TECHNICAL DATA		01804	01805	01806
Inhoud boiler HWW Nom.	l	200	300	300
Inhoud boiler HWW Effective	l	190	263	260
Total height	mm	1215	1615	1615
Diameter with insulation	mm	640	640	640
Insulation	mm	70	70	70
Energy class		B	B	B
Dispersion total	W	51	63	63
Dispersion temperature probe	W/K	1,13	1,40	1,40
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" | 1/2" |
| 2. Anode 1" 1/4 | 6. Cold water inlet 1" |
| 3. Thermometer-Probe 1/2" | 7. Coil return 1" |
| 4. Electric heating element attachment 1" 1/2 | 8. Thermostat 1/2" |
| 5. Pallet attachment (blind) | 9. Recirculation 1/2" |
| | 10. Coil flow 1" |



Storage tank 2 coils HES 300

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

○ 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	☐	☐
SHERPA	☐	☐

SHERPA MONOBLOC	☐
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01808 HYS 300 L solar hybrid storage tank

Compatible with:

suspended tower

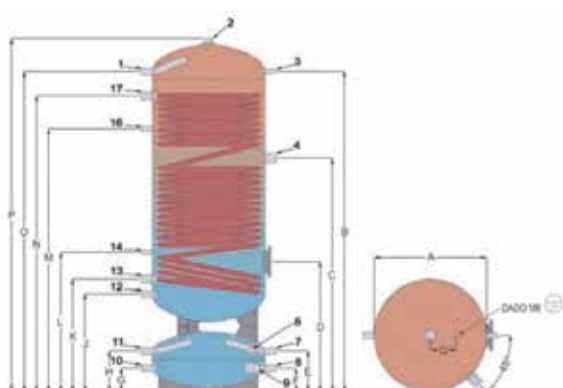
SHERPA AQUADUE	☐	☐
SHERPA	☐	☐

SHERPA MONOBLOC	☐
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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.

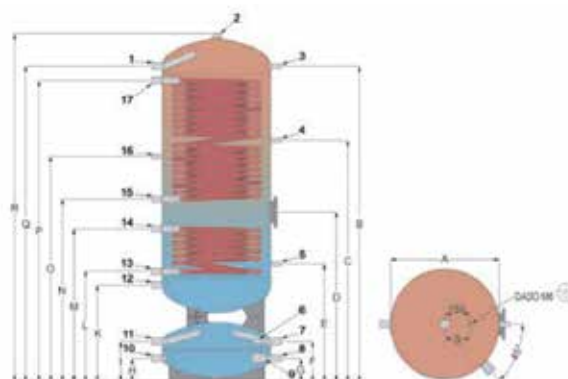
TECHNICAL DATA		01807	01808
Inhoud boiler HWW Nom.	l	300	300
Inhoud boiler HWW Effective	l	270	270
Puffer Capacity	l	80	80
Total heigh	mm	1925	1925
Diameter with insulation	mm	690	690
Insulation	mm	70	70
Energy class		B	B
Dispersion total	W	73	73
Dispersion temperature probe	W/K	1,62	1,62
Coil exchangers 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

- Domestic hot water flow 1"
- Anode 1" 1/4
- Thermometer 1/2"
- Electric heating element attachment 1" 1/2
- Probe 1/2"
- Boiler flow 1"
- Boiler return 1"
- Electric resistance 1" 1/2
- Heating system return 1"
- System flow 1"
- Domestic cold water inlet 1"
- Coil return 1" 1/4
- Probe 1/2"
- Recirculation 1/2"
- Upper coil flow 1"



Storage tank 2 coils HYS 300

- Domestic hot water flow 1"
- Anode 1" 1/4
- Thermometer 1/2"
- Probe 1/2"
- Probe 1/2"
- Probe 1/2"
- Boiler flow 1"
- Boiler return 1"
- Electric resistance 1" 1/2
- Heating system return 1"
- System flow 1"
- Domestic cold water inlet 1"
- Lower coil return 1"
- Lower coil flow 1"
- Upper coil return 1"
- Recirculation 1/2"
- Upper coil flow 1"

01199 Thermal accumulation 50 L

Compatible with:

suspended tower

SHERPA	☐	☐
SHERPA AQUADUE	☐	☐

SHERPA MONOBLOC	☐
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**01200 Thermal accumulation 100 L**

Compatible with:

suspended tower

SHERPA	☐	☐
SHERPA AQUADUE	☐	☐

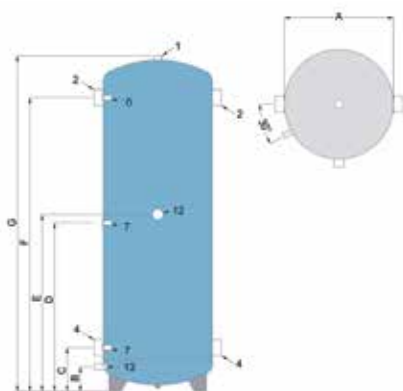
SHERPA COLD	☒
SHERPA MONOBLOC	☐



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 height	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	☐	☐
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SHERPA COLD	☐
SHERPA MONOBLOC	☐

**B0666 Resistance for boiler 3 kW**

Compatible with:

suspended tower

SHERPA	☐	☐
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SHERPA COLD	☐
SHERPA MONOBLOC	☐



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
Length (L)	mm	390	390
Diameter of coupling	inch	1 1/2	1 1/2

☐ 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.

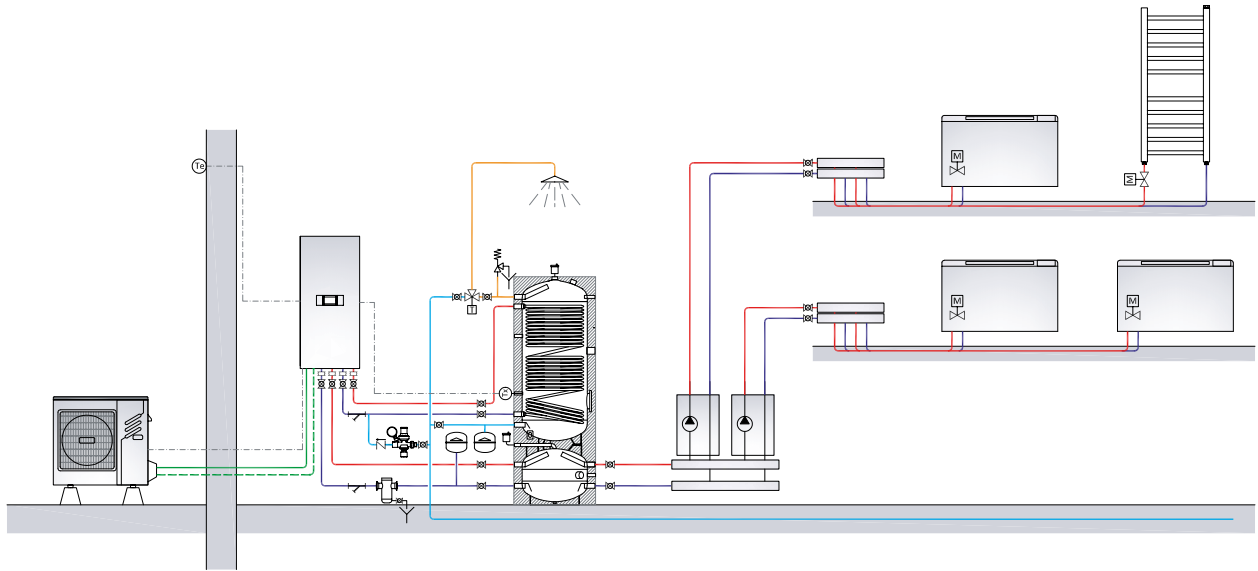
Compatible with:

	suspended	tower		
SHERPA	☒	☐	SHERPA COLD	☒
			SHERPA MONOBLOC	☒

System diagrams

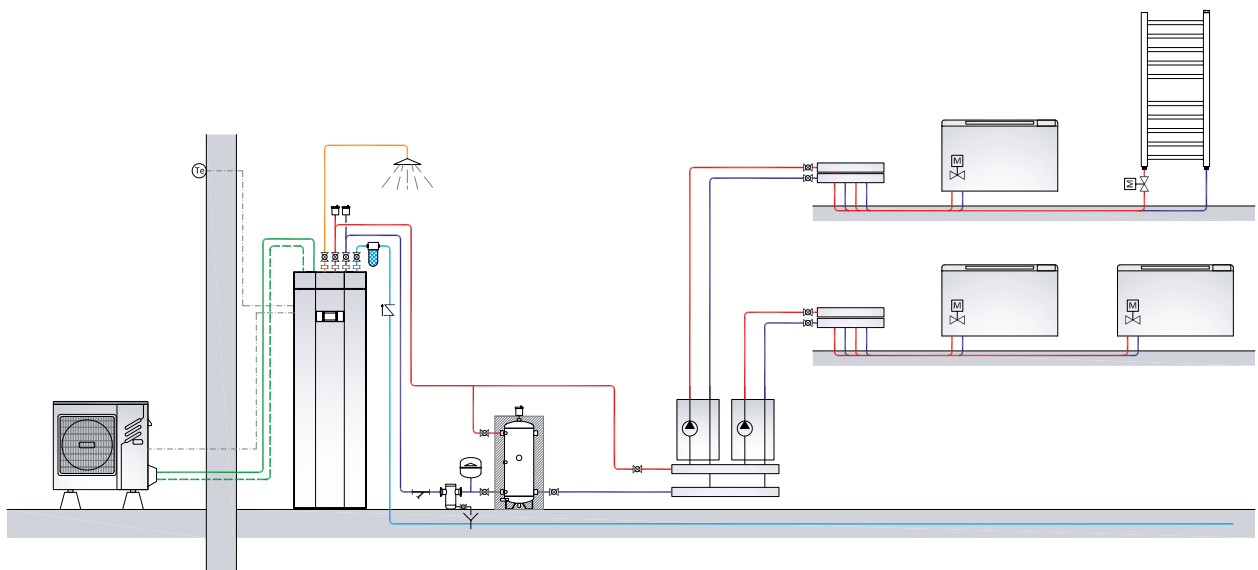
Sherpa Aquadue heat pumps

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.

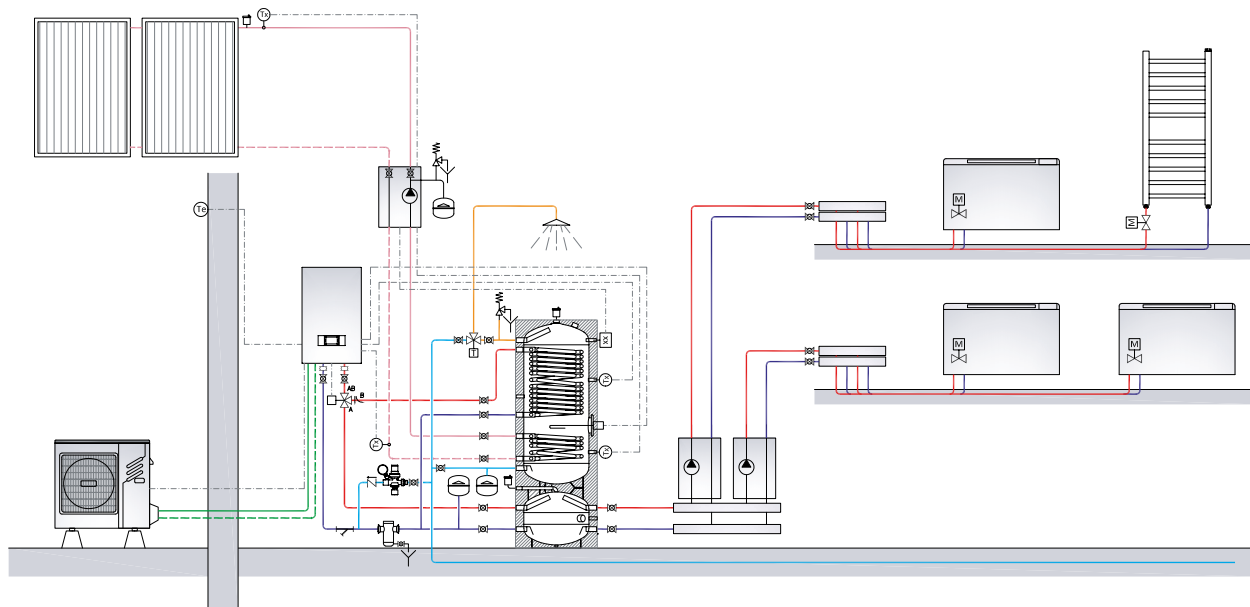
SHERPA AQUADUE TOWER S2/S3 heat pump (heating and air conditioning; production of high temperature DHW); Bi2 SLR radiant fan coil units; example of a two-zone configuration with a simple manifold and inertial storage (used as a hydraulic separator) for the air conditioning system.



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

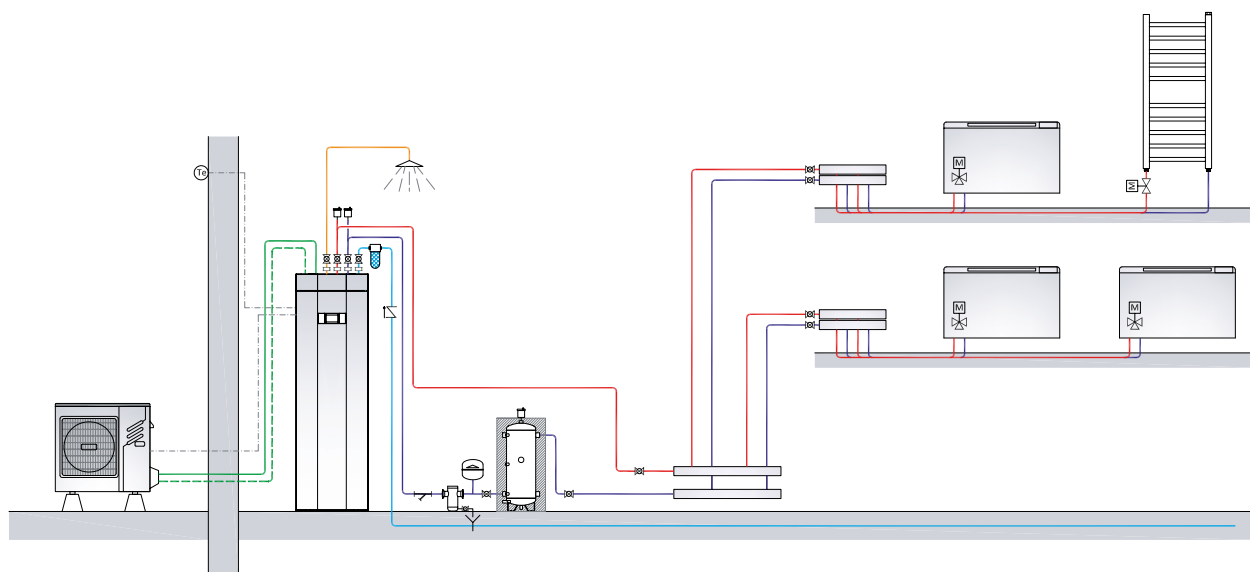
Sherpa heat pumps

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.

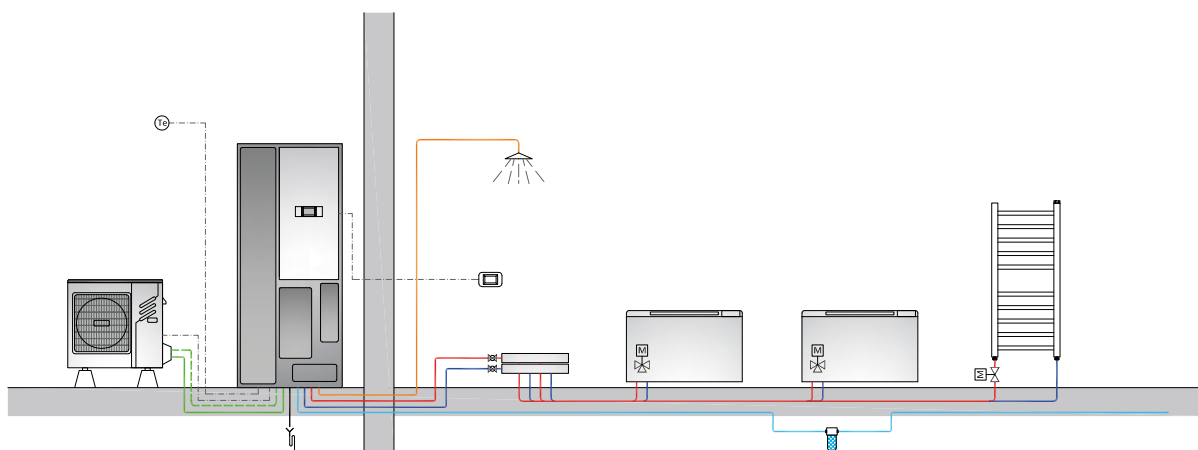
SHERPA TOWER S2/S3 heat pump (heating and air conditioning; DHW production) Bi2 SLR radiant fan coil units with 3-way valves and inertial storage in series on the return pipe of the air conditioning system.



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 (B0971) and expansion tank kit for DHW (B0972).

Kit Sherpa Flex Box

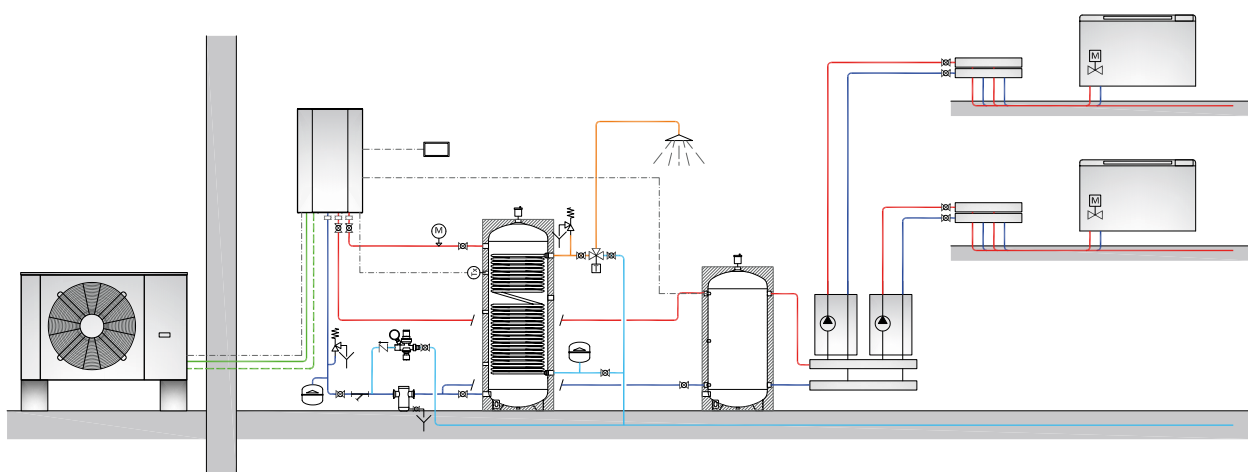
SHERPA AQUADUE S3 E heat pump or SHERPA S3 E with SHERPA FLEX BOX AS KIT (heating and air conditioning; production of high temperature DHW); Bi2 SLR radiant fan coil units with 3-way valves.



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.

Sherpa Cold heat pumps

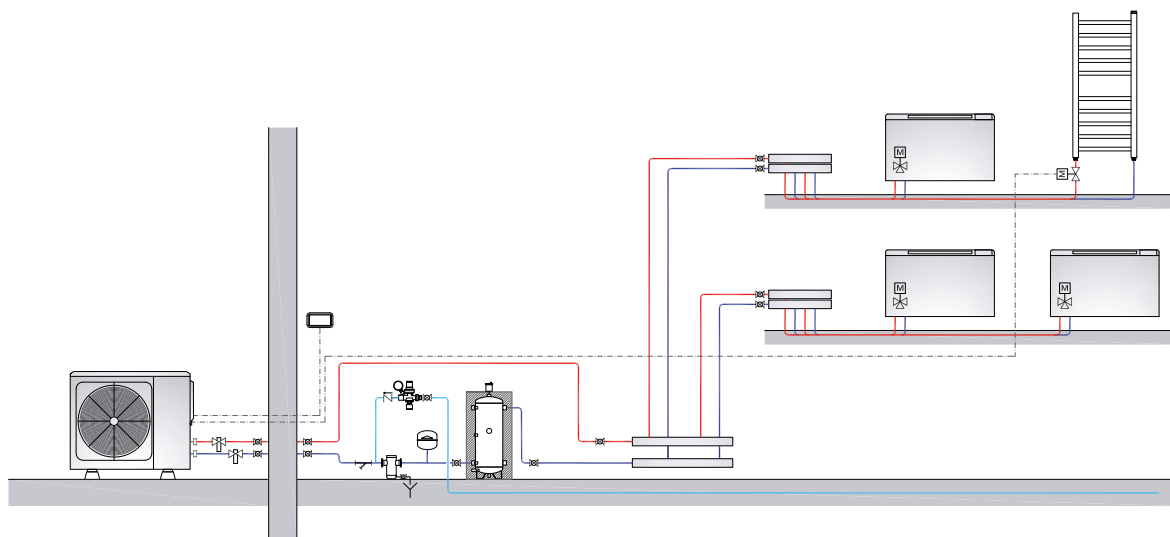
SHERPA COLD heat pump (heating and air conditioning; production of DHW) Bi2 SLR radiant fan coil units with 3-way valves and inertial storage tank (used as hydraulic separator). Storage of technical water with instant DHW production. It is mandatory to provide safety valves and appropriately sized expansion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



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

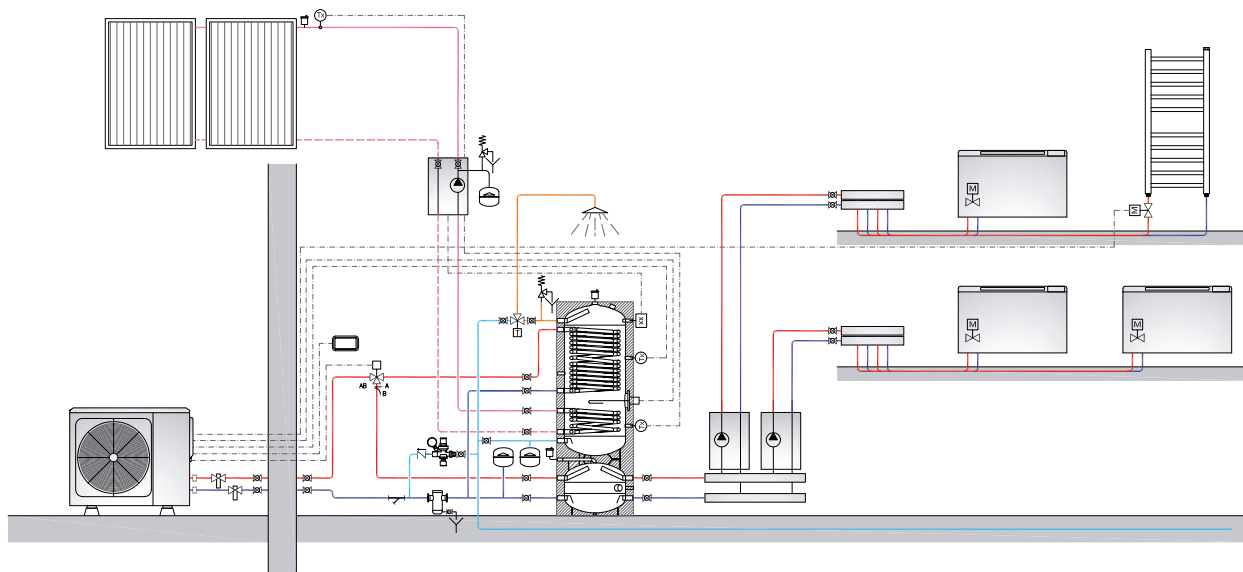
Sherpa Monobloc heat pumps

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 participates in the ECP programme for FCU. Check ongoing validity of certificate: www.eurovent-certification.com



Bi2

Fan coil units for annual
cycle comfort



Italian design winner of numerous international awards

Ultralim and slim innovation

Attention to design and harmonious integration into the architecture has led Olimpia Splendid to reinvent fan coil units, introducing ultralim (up to 12.9 cm) and slim (up to 17.9 cm) fan coils with reduced thicknesses to the market.

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.

ULTRASLIM

Spessore 12,9 cm



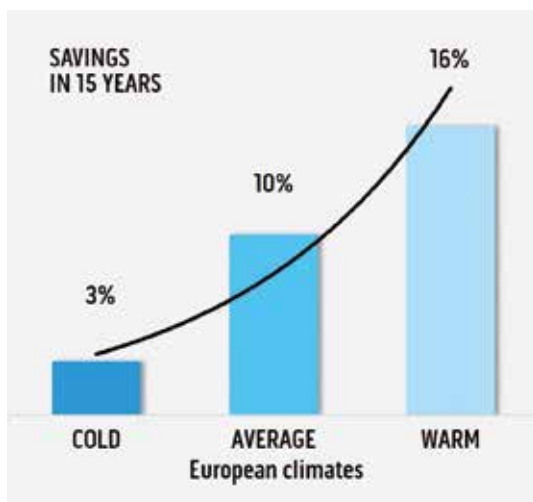
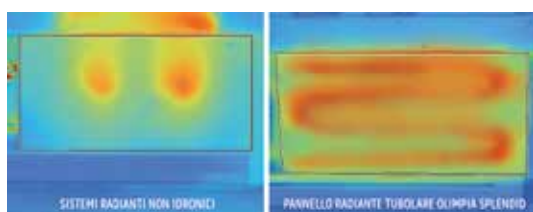
SLIM

Spessore 17,9 cm





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.

Wireless control

Smartphone and tablet control of Bi2 terminals



OS Smart System

This is the app available in Italian and English for controlling the Bi2 Air, Bi2 Smart, Bi2 Naked and Bi2 Wall terminals equipped with the appropriate wireless kit (code B1130).



The Bi2 Air, Bi2 Smart, Bi2 Naked and Bi2 Wall fan coil units can be controlled both from the on-board display and remotely, using the remote control supplied or the dedicated mobile application. In the latter case, it is necessary to mount the special wireless kit (code B1130) on the electronics of each terminal, during installation or (on request) directly in the factory.

Application features

- Up to 30 terminals independently manageable;
- Modbus RTU and ASCII communication language;
- Cooling, heating, ventilation and stand-by settings;
- Room temperature display and set-point temperature selection;
- Fan speed selection (min, max, night and automatic mode);
- Weekly programming with up to 4 time windows;
- Diagram display with hourly trends of room, set-point and external temperatures;
- Automatic OTA (Over The Air) update of the board firmware.



Guidelines

For installation, operation and maintenance

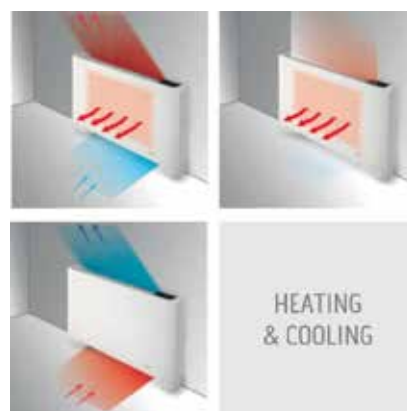
The choice of position

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 ultraslim 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.



The modes for providing comfort

The structure of the fan of the Bi2 terminals 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.



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.



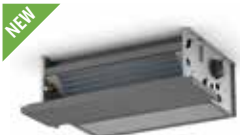
Fan coil units

		ULTRASLIM DESIGN		
		200	400	600
Low wall Bi2 AIR Integral design 	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 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 Built-in 	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

		ULTRASLIM DESIGN REVERSIBLE	
		400	600
High wall Bi2 WALL 	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

		220	320	420
Ductable Bi2 DUCTED 	REAR EXTRACTION	DCT 220 DC P B (02536)	DCT 320 DC P B (02537)	DCT 420 DC P B (02538)
	FRONT EXTRACTION	DCT 220 DC P F (02546)	DCT 320 DC P B (02547)	DCT 420 DC P F (02548)
		⌞ 21,5 cm	⌞ 21,5 cm	⌞ 21,5 cm

SLIM DESIGN

800	1100	1400	1600
SLR AIR 800 DC TR (01859)	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 1100 DC AR (02359)	SLR AIR 1400 DC AR (02053)	SLR AIR 1600 DC AR (02055)
SL AIR 800 DC TR (01854)	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 1100 DC AR (02361)	SL AIR 1400 DC AR (02049)	SL AIR 1600 DC AR (02051)

↙ 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)			

↙ 12,9 cm

SLIR 800 DC (01642)	SLIR 1100 DC (02364)	SLIR 1400 DC (02071)	SLIR 1600 DC (02072)
SLI 800 DC (01516)	SLI 1100 DC (02363)	SLI 1400 DC (02056)	SLI 1600 DC (02057)

↙ 14,2 cm

↙ 21,7 cm

↙ 21,7 cm

↙ 21,7 cm

SLIM DESIGN

800	1000	1200	1400
SLW 800 DC V2V TR (01786)	SLW 1000 DC V2V TR (02467)	SLW 1200 DC V2V TR (02459)	SLW 1400 DC V2V TR (02463)
SLW 800 DC V2V AR (01877)	SLW 1000 DC V2V AR (02468)	SLW 1200 DC V2V AR (02460)	SLW 1400 DC V2V AR (02464)
SLW 800 DC V3V TR (01789)	SLW 1000 DC V3V TR (02465)	SLW 1200 DC V3V TR (02457)	SLW 1400 DC V3V TR (02461)
SLW 800 DC V3V AR (01880)	SLW 1000 DC V3V AR (02466)	SLW 1200 DC V3V AR (02458)	SLW 1400 DC V3V AR (02462)

↙ 12,9 cm

↙ 22,6 cm

↙ 22,6 cm

↙ 22,6 cm

520	620	720	820	1020	1120	1220
DCT 520 DC P B (02539)	DCT 620 DC P B (02540)	DCT 720 DC P B (02541)	DCT 820 DC P B (02542)	DCT 1020 DC P B (02543)	DCT 1120 DC P B (02544)	DCT 1220 DC P B (02545)
DCT 520 DC P F (02549)	DCT 620 DC P F (02550)	DCT 720 DC P F (02551)	DCT 820 DC P F (02552)	DCT 1020 DC P F (02553)	DCT 1120 DC P F (02554)	DCT 1220 DC P F (02555)

↙ 21,5 cm

↙ 21,5 cm

↙ 21,5 cm

↙ 21,5 cm

Bi2 AIR

SL

SLR



Compatible with:
SiOS
CONTROL

Ultralim 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.
- Fancoil with integrated radiant panel (SLR version)
- 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 4 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 the BT130 WiFi kit, 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:

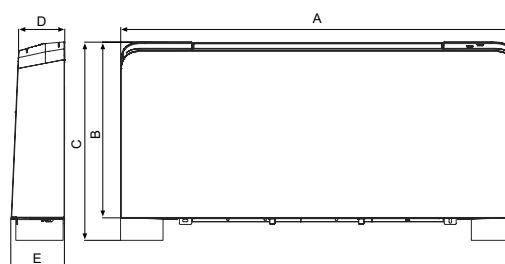
allows remote control by interfacing with wall controls or home automation control systems via 0-10V analog input or contacts (for fan coil radiators, use the contact mode). It has a 230Vac output for control of a solenoid valve and a water probe inlet with the function of a minimum probe (for both modes 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. Condensation 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
A	mm	695	895	1095	1295
B	mm	599	599	599	599
C	mm	679	679	679	679
D	mm	129	129	129	129
E	mm	150	150	150	150
Weight SL	kg	11.5	13.0	15.5	18.5
Weight SLR	kg	13.5	15.5	19.5	22.5



INSTALLATION

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



* In case of combination with B0736 or Bticino home automation: 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		
SL Air inverter (with TR command)						01851			01852			01853			01854		
SL Air inverter (with AR command)						01767			01768			01769			01770		
SLR Air inverter (with TR command)						01856			01857			01858			01859		
SLR Air omvormer (with AR command)						01772			01773			01774			01775		
Fan speed						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
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
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
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
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
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
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
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
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
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
Absorbed power			(E)	W		5	7	11	6	9	19	7	11	20	8	12	24
Sound Power Lw (A)			(E)	dB(A)		38	45	52	39	46	53	41	47	53	42	48	54
Sound pressure Lp (A)		(d)		dB(A)		29	36	43	30	37	44	32	38	44	33	39	45
Air flow rate		(f)		m3/h		100	130	160	190	250	320	280	360	460	350	450	575
Battery water content				l		0.47			0.8			1.13			1.46		
Maximum operating pressure				bar		10			10			10			10		
Hydraulic fittings				inch		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		
SLR ONLY	Max static heating efficiency (50°C)			kW		0.37			0.42			0.5			0.62		
	Max static heating efficiency (70°C)			kW		0.59			0.71			0.84			1.04		
	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	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
	B1130	Wireless kit	TR	TR
HYDRAULICS KIT	B0839	LH-RH connection rotation extension kit	○	○
	B0832	2-way valve group kit with 4-wire actuator	○	○
	B0834	3-way valve group kit with 4-wire actuator	○	○
	B0205	Manual 2-way valve group kit	○	○
	B0204	Manual 2-way valve insulation kit	○	○
	B0200	Adapter connection kit for 1/2" gas thread	○	○
	B0201	Adapter connection kit for 3/4" gas thread	○	○
	B0203	Eurokonus 90° bending connection kit	○	○

○ Optional accessory | — Accessory not compatible

ACCESSORIES

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

Accessory description on page 92

Bi2 AIR



Slim fan coil units, SL and SLR versions

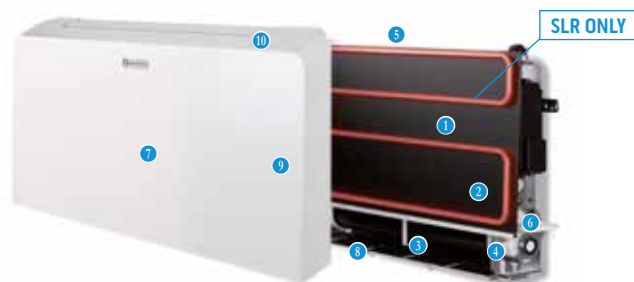


FEATURES

- 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

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. Condensation trap
7. Front body in electrogalvanised sheet metal
8. Anti-intrusion intake grille
9. Sides in ABS
10. On-board touch control (TR version)



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.



INTEGRATED CONTROLS AS STANDARD

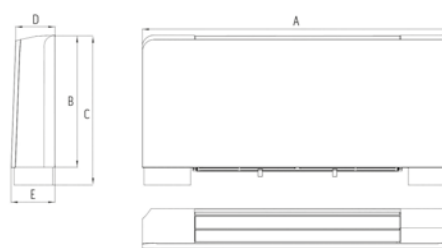
TR (Touch Remote) CONTROL:

includes on-board touch control and remote control (supplied). Additionally, through a combination of keys, it is possible to remotely* control with the BT130 WiFi kit, 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).

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.**

		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.**



* In case of combination with B0736 or Bticino home automation: 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						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	8	13	26	10	15	29
Sound Power Lw (A)			(E)	dB(A)		39	46	50	41	49	54	42	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		
Max static heating efficiency (50°C)				kW		0.45			0.45			0.5		
Max static heating efficiency (70°C)				kW		0.8			0.8			0.9		
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
	B1130	Wireless kit	TR	TR
HYDRAULICS KIT	B0839	LH-RH connection rotation extension kit	○	○
	B0832	2-way valve group kit with 4-wire actuator	○	○
	B0834	3-way valve group kit with 4-wire actuator	○	○
	B0205	Manual 2-way valve group kit	○	○
	B0204	Manual 2-way valve insulation kit	○	○
	B0200	Adapter connection kit for 1/2" gas thread	○	○
	B0201	Adapter connection kit for 3/4" gas thread	○	○
	B0203	Eurokonus 90° bending connection kit	○	○

○ Optional accessory | — Accessory not compatible

		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 (condensation trap)	1100 —
	B0878	Ceiling-mount kit (condensation trap)	1400 —
	B0879	Ceiling-mount kit (condensation trap)	1600 —

Accessory description on page 92

Bi2 WALL

Ultrathin high-wall fan coil units



Compatible with:
SiOS
CONTROL



REVERSIBILITY

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

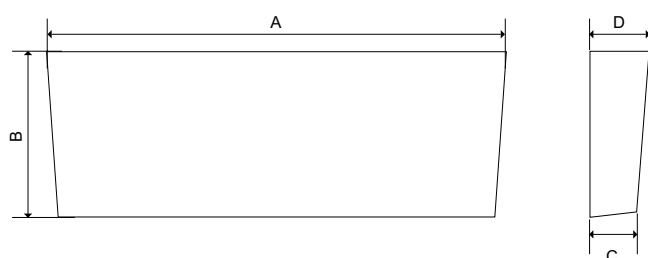
TR (Touch Remote) CONTROL:

includes on-board touch control and a remote control (supplied). Additionally, through a combination of keys, it is possible to remotely* control with the B1130 WiFi kit, 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 or RTU) 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.



* In case of combination with B0736 or Bticino home automation: 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
	B1130	Wireless kit	TR

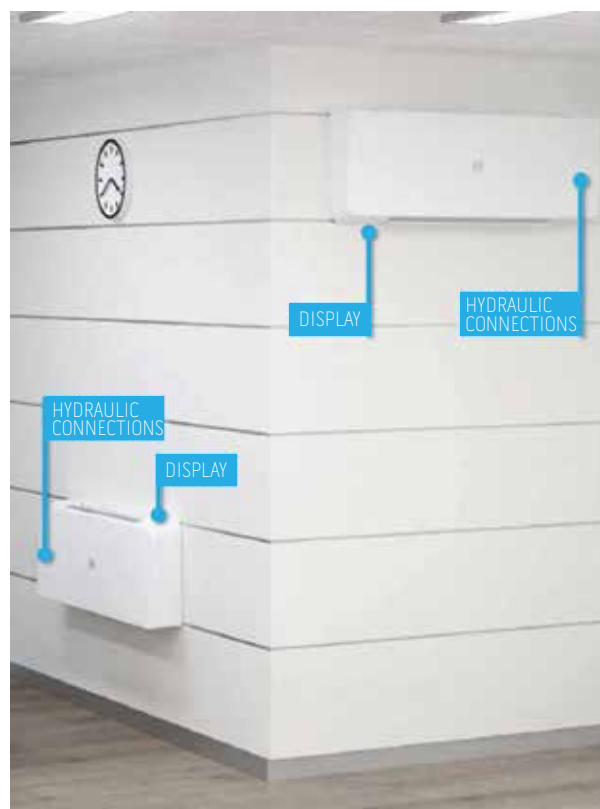
Accessory description on page 92

Maximum installation versatility

Bi2 Wall is the first ultraslim hydronic fan coil 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.



Bi2 WALL

Slim high-wall fan coil units



Compatible with:
Sios
CONTROL



COMPACT DESIGN

Specifically designed to minimise volume and expand the possibilities for over-door installation. With equal power, it is among the most compact on the market.



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.
- DC brushless motor
- Total flat aesthetics.
- Range composed of 3 power models.
- Terminal unit supplied with 2 or 3-way valve integrated with 4-wire electro-thermal actuator.
- Single-piece body for working comfortably.
- Steel air delivery flap, motorised.
- Extractable filters located on the air intake.
- Remote control supplied (only for TR control).
- Optional condensation drain pump.
- 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 obtain remote* control with the B1130 WiFi kit, 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).

AR (Analogic Remote) CONTROL:

Allows remote control by interfacing with wall controls or home automation control systems via 0-10V analogue 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



		1000	1200	1400
A	mm	940	940	940
B	mm	303	303	303
C	mm	226	226	226
Weight	kg	11	12	12

INSTALLATION

High-wall



* In case of combination with B0736 or Bticino home automation: Touch control on the machine, air probe on the machine and remote control disabled

TECHNICAL DATA					1000			1200			1400		
SLW inverter (with 2-way valve and TR command)					02467			02459			02463		
SLW inverter (with 2-way valve and AR command)					02468			02460			02464		
SLW inverter (with 3-way valve and TR command)					02465			02457			02461		
SLW inverter (with 3-way valve and AR command)					02466			02458			02462		
Fan speed					Lower	Middle	High	Lower	Middle	High	Lower	Middle	High
Total power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	1.10	1.90	2.40	1.90	2.50	3.10	2.20	3.20	3.90
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW	0.91	1.55	1.98	1.62	2.10	2.59	1.86	2.68	3.33
Fluid flow rate	a27/19 - w7/12	(a)		l/h	195.9	326.4	411.2	325.7	428.9	532.3	378.3	549.2	665.9
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa	7.2	19.4	32.4	14.8	24.2	36.8	19.1	39.1	58.2
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW	1.59	2.62	3.31	2.67	3.40	4.17	3.02	4.30	5.05
Fluid flow rate	a20/15 - w50/-	(b)		l/h	195.9	326.4	411.2	325.7	428.9	532.3	378.3	549.2	665.9
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa	6.8	18.6	31.6	14.1	23.2	34.9	18.5	38.3	56.6
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW	1.43	2.37	2.91	2.30	2.94	3.61	2.62	3.72	4.59
Fluid flow rate	a20/15 - w45/40	(c)		l/h	237.8	399.3	500.2	395.1	506.3	620.4	450.1	640.2	789.8
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa	10.0	28.1	42.9	21.0	33.9	50.1	27.2	52.9	80.1
Absorbed power			(E)	W	8	15	22	9	14	21	11	23	38
Sound Power Lw (A)			(E)	dB(A)	37	45	51	38	43	48	40	50	56
Sound pressure Lp (A)		(d)		dB(A)	23	32	39	24	30	36	27	37	44
Air flow rate		(f)		m3/h	227	393	517	389	510	640	450	661	856
Battery water content				l	0.75			0.97			0.97		
Maximum operating pressure				bar	8			8			8		
Hydraulic fittings				inch	Piana 1/2			Piana 1/2			Piana 1/2		
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
	B1130	Wireless kit	TR
	B0983	Condensation pump kit	≥ 1000

Accessory description on page 92

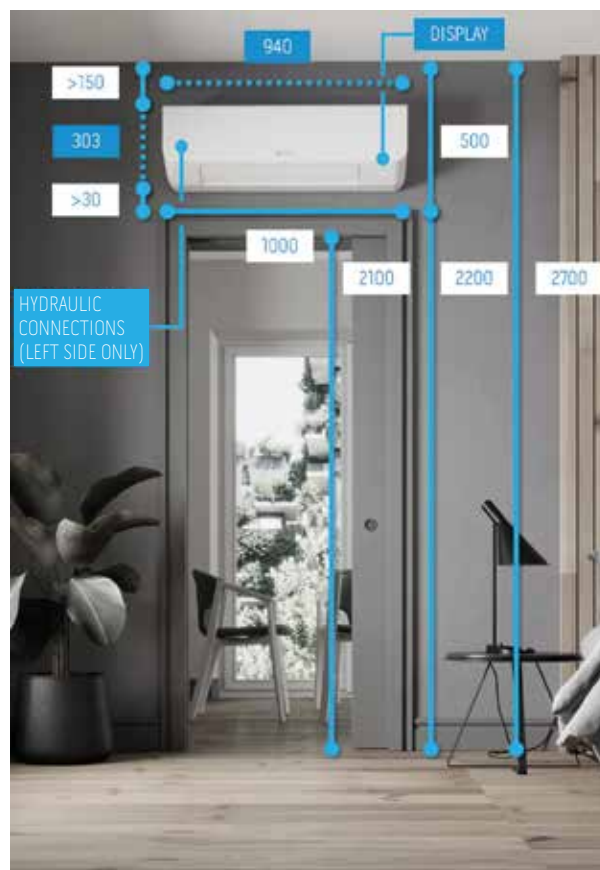
A concentration of power and design above the door

With one of the lowest sound pressure levels in the category, Bi2 Wall slim has been carefully designed to achieve one of the highest power/volume ratios on the market. This compactness allows for easy installation above the door in most situations.

The space above the door is in fact almost always unused and is therefore perfect for installing the terminal unit used for the comfort of the room.

The optional kit for condensation pump allows solving even the most complex drainage situations, where the slopes do not allow a natural discharge of the water.

Its features therefore make it the perfect terminal not only for new buildings with limited space, but also for more complex renovations with high performance demands.



Please note: 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



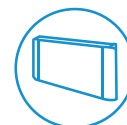
Compatible with:
Sios
CONTROL

Ultralim fan coil units, SL and SLR versions



TOTAL FLAT DESIGN

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

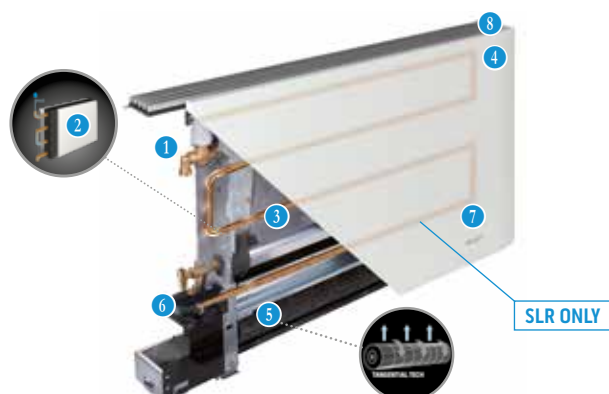


FEATURES

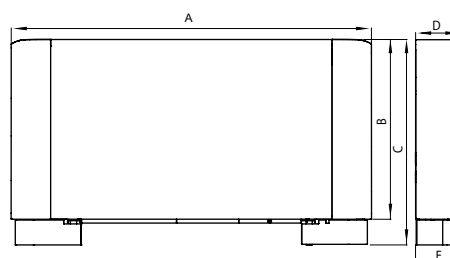
- Air Conditions, Dehumidifies, Heats and Filters.
- Fan coil unit with integrated radiant panel (SLR version).
- Compact: Thickness min 12.9 cm - max 15 cm
- Range consisting of 4 power models
- Brushless DC motor
- Metal front, Smart sides in ABS
- Total Flat aesthetic with air extraction system from the bottom side
- 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. Condensation trap
7. Brushless DC motor inverter
8. Electronic control (accessory kit)



		200	400	600	800
A	mm	759	959	1159	1359
B	mm	579	579	579	579
C	mm	659	659	659	659
D	mm	129	129	129	129
E	mm	150	150	150	150
Weight SL	kg	11.5	13	15.5	18.5
Weight SLR	kg	13.5	15.5	19.5	22.5



INSTALLATION

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



* Ceiling installation: kits required for ceiling installation and foot kit. Present version of foot kit specifically for ceiling installation.

TECHNICAL DATA

						200			400			600			800		
SL Smart S1 inverter						02122			02123			02124			02125		
SLR Smart S1 inverter						02127			02128			02129			02130		
Fan speed						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
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
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
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
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
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
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
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
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
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
Absorbed power			(E)	W		5	7	11	6	9	19	7	11	20	8	12	24
Sound Power Lw (A)			(E)	dB(A)		38	45	52	39	46	53	41	47	53	42	48	54
Sound pressure Lp (A)		(d)		dB(A)		29	36	43	30	37	44	32	38	44	33	39	45
Air flow rate		(f)		m3/h		100	130	160	190	250	320	280	360	460	350	450	575
Battery water content				l			0.47			0.8			1.13			1.46	
Maximum operating pressure				bar			10			10			10			10	
Hydraulic fittings				inch			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	
SLR ONLY	Max static heating efficiency (50°C)			kW			0.37			0.42			0.5			0.62	
	Max static heating efficiency (70°C)			kW			0.59			0.71			0.84			1.04	
	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	○	○
	B0873	Electronic contacts/0-10V remote control kit	○	○
	B0736	Wall-mounted Modbus chrono-thermostat kit	○	○
	B0921	Contact touch wall-mounted thermostat kit	○	—
	B1130	Wireless kit	○	○
HYDRAULICS KIT	B0633	LH-RH connection rotation extension kit	○	○
	B0832	2-way valve group kit with 4-wire actuator	○	○
	B0834	3-way valve group kit with 4-wire actuator	○	○
	B0205	Manual 2-way valve group kit	○	○
	B0204	Manual 2-way valve insulation kit	○	○
	B0200	Adapter connection kit for 1/2" gas thread	○	○
	B0201	Adapter connection kit for 3/4" gas thread	○	○
	B0203	Eurokonus 90° bending connection kit	○	○

Requires combination with autonomous on-board touch flat control kit B0872.

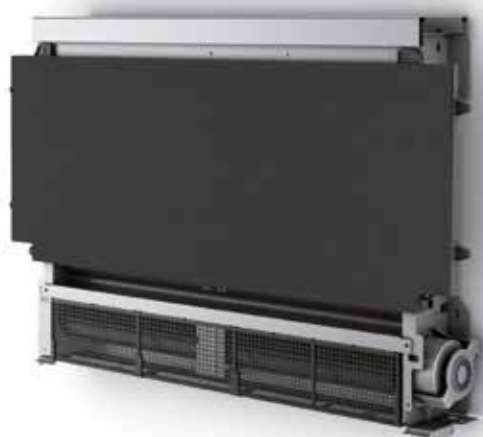
○ Optional accessory | — Accessory not compatible

SL SLR

AESTHETIC KITS	B0938	Floor mounting bracket kit	○	○
	B0937	Aesthetic kit feet for covering	○	○
	B0982	Aesthetic ceiling feet kit	○	—
	B0520	Ceiling-mount kit (condensation trap)	200	—
	B0521	Ceiling-mount kit (condensation trap)	400	—
	B0522	Ceiling-mount kit (condensation trap)	600	—
	B0523	Ceiling-mount kit (condensation trap)	800	—

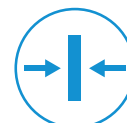
Accessory description on page 92

Ultralim fan coil units, SLI and SLIR versions



SPACE SAVING

Formwork measuring only 14.2 cm deep.



SMALL FOOTPRINT

Closing panel in metal for wall installation.



FEATURES

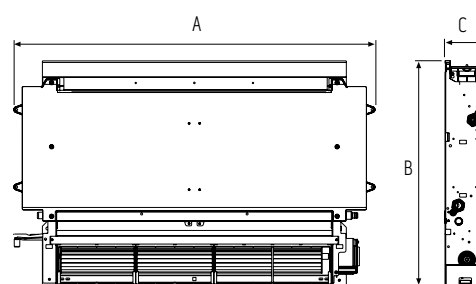
- Air Conditions, Dehumidifies, Heats and Filter
- Recessed version (with integrated radiant panel for the SLIR version)
- Compact: Recessed wall-mounted thickness of only 142 mm
- Range consisting of 4 models of different power
- Brushless DC motor
- SLIR version available only with hydraulic connections on the left.
- Metal closing panel available in the colours: ☐ white RAL 9003

LAYOUT, DIMENSIONS, WEIGHT



Fan coil unit

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



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).

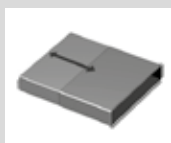


SLI ONLY



False ceiling

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

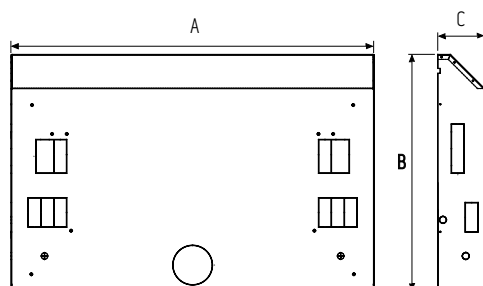


SLI ONLY



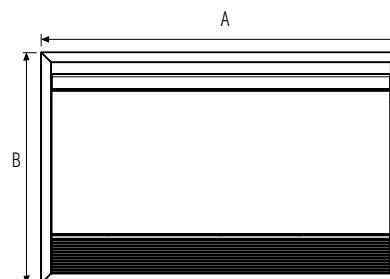
Recessed formwork

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



Closing panel

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



TECHNICAL DATA					200			400			600			800			
SLI inverter					01513			01514			01515			01516			
SLIR inverter					01639			01640			01641			01642			
Fan speed					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
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
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
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
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
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
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
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
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
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
Absorbed power				(E)	W	5	7	11	6	9	19	7	11	20	8	12	24
Sound Power Lw (A)				(E)	dB(A)	38	45	52	39	46	53	41	47	53	42	48	54
Sound pressure Lp (A)				(d)	dB(A)	29	36	43	30	37	44	32	38	44	33	39	45
Air flow rate				(f)	m3/h	100	130	160	190	250	320	280	360	460	350	450	575
Battery water content					l	0.47			0.8			1.13			1.46		
Maximum operating pressure					bar	10			10			10			10		
Hydraulic fittings					inch	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		
SLIR ONLY	Max static heating efficiency (50°C)				kW	0.37			0.42			0.50			0.62		
	Max static heating efficiency (70°C)				kW	0.59			0.71			0.84			1.04		
	Water content of the radiant panel				l	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

		SLI	SLIR
CONTROLS	B0872 On-board autonomous flat touch control kit	○	○
	B0873 Electronic contacts/0-10V remote control kit	○	○
	B0736 Wall-mounted Modbus chrono-thermostat kit	○	○
	B0921 Contact touch wall-mounted thermostat kit	○	—
	B1130 Wireless kit	○	○
HYDRAULICS KIT	B0633 LH-RH connection rotation extension kit	○	—
	B0832 2-way valve group kit with 4-wire actuator	○	○
	B0834 3-way valve group kit with 4-wire actuator	○	○
	B0205 Manual 2-way valve group kit	○	○
	B0204 Manual 2-way valve insulation kit	○	○
	B0200 Adapter connection kit for 1/2" gas thread	○	○
	B0201 Adapter connection kit for 3/4" gas thread	○	○
KIT FOR RECESS WITH FORMWORK	B0203 Eurokonus 90° bending connection kit	○	○
	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
	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
	B0955 Closing panel RAL 9003	200	—
	B0956 Closing panel RAL 9003	400	—
	B0957 Closing panel RAL 9003	600	—
	B0958 Closing panel RAL 9003	800	—

Requires combination with autonomous flat touch control kit on board the machine B0872 or Modbus wall-mounted timed thermostat kit B0736.

○ Optional accessory | — Accessory not compatible

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	—
	B0559 Air intake grille with airfoil profile	200	—
KIT FOR RECESS WITHOUT FORMWORK	B0560 Air intake grille with airfoil profile	400	—
	B0561 Air intake grille with airfoil profile	600	—
	B0562 Air intake grille with airfoil profile	800	—
	B0194 Intake kit	200	—
	B0195 Intake kit	400	—
	B0196 Intake kit	600	—
	B0197 Intake kit	800	—
	B0160 Telescopic top delivery plenum	200	—
	B0161 Telescopic top delivery plenum	400	—
	B0162 Telescopic top delivery plenum	600	—
	B0163 Telescopic top delivery plenum	800	—
	B0165 Insulated 90° delivery plenum	200	—
	B0166 Insulated 90° delivery plenum	400	—
	B0167 Insulated 90° delivery plenum	600	—
	B0168 Insulated 90° delivery plenum	800	—

Accessory description on page 92

Please note: 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.



DEHUMIDIFIERS

PORTABLES

MONO AND MULTISPLIT

UNICO

HRV

FAN COIL UNITS

HEAT PUMPS

BMS

Bi2 NAKED



Compatible with:
Sios
CONTROL

Slim fan coil units, SLI and SLIR versions



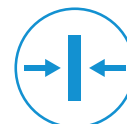
PRO-POWER

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



SPACE SAVING

Formwork measuring only 21.7 cm deep.



SMALL FOOTPRINT

Closing panel in metal for wall installation.



FEATURES

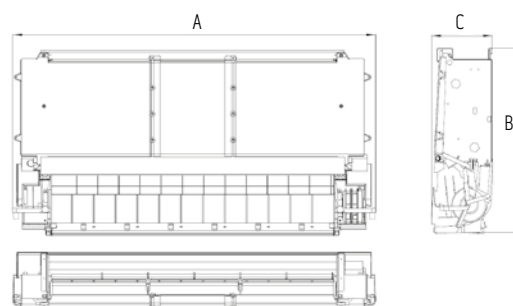
- Air Conditions, Dehumidifies, Heats and Filter
- Recessed version (with integrated radiant panel for the SLIR version)
- Compact: Recessed wall-mounted thickness of only 217 mm
- Range consisting of 3 models of different power
- Brushless DC motor
- SLIR version available only with hydraulic connections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

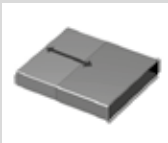


SLI ONLY



False ceiling

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

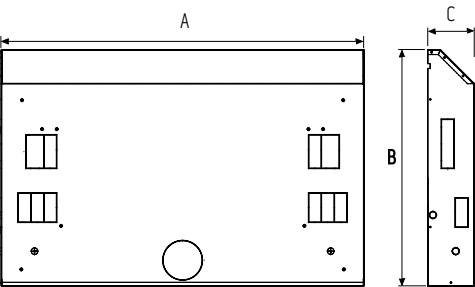


SLI ONLY



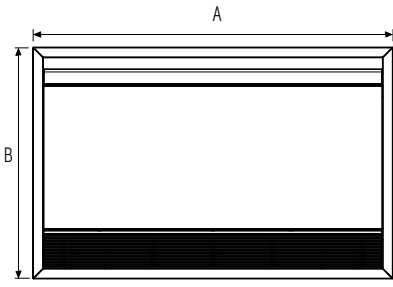
Recessed formwork

		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



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			Eurocon 3/4			Eurocon 3/4			Eurocon 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	
	Max static heating efficiency (70°C)			kW			0.8			0.8			0.9	
	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	○	○
	B0873 Electronic contacts/0-10V remote control kit	○	○
	B0736 Wall-mounted Modbus chrono-thermostat kit	○	○
	B0921 Contact touch wall-mounted thermostat kit	○	—
	B1130 Wireless kit	○	○
HYDRAULICS KIT	B0633 LH-RH connection rotation extension kit	○	—
	B0832 2-way valve group kit with 4-wire actuator	○	○
	B0834 3-way valve group kit with 4-wire actuator	○	○
	B0205 Manual 2-way valve group kit	○	○
	B0204 Manual 2-way valve insulation kit	○	○
	B0200 Adapter connection kit for 1/2" gas thread	○	○
	B0201 Adapter connection kit for 3/4" gas thread	○	○
KIT FOR RECESS WITH FORMWORK	B0203 Eurokonus 90° bending connection kit	○	○
	B0894 Formwork for recessed installation	≥ 1100	≥ 1100
	B0954 Radiant closing panel RAL 9003	—	≥ 1100
	B0959 Closing panel RAL 9003	≥ 1100	—

Requires combination with autonomous flat touch control kit on board the machine B0872 or Modbus wall-mounted timed thermostat kit B0736.

○ Optional accessory | — Accessory not compatible

		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	—

Accessory description on page 92



DEHUMIDIFIERS

PORTABLES

MONO AND MULTISPLIT

UNICO

HRV

FAN COIL UNITS

HEAT PUMPS

BMS

Bi2 DUCTED

Ductable fan coil units



HIGH HEAD

Ductable hydronic unit with static pressure available up to 90 Pa.



REVERSIBILITY

Possibility of vertical or horizontal installation for both versions.



SLIM DESIGN

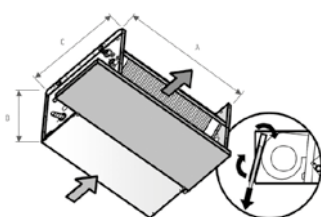
Height of only 21.5 cm to allow installation in false ceilings.



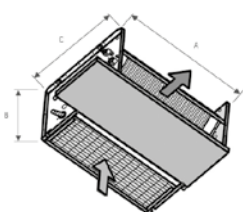
FEATURES

- Air Conditions, Dehumidifies, Heats and Filters.
- Compact: Thickness 21.5 cm
- Range consisting of 10 power models, divided into 2 types: front or rear air intake.
- Brushless DC motor
- Removable filters located on the air intake.

LAYOUT, DIMENSIONS, WEIGHT



		220	320	420	520	620	720	820	1020	1120	1220
A	mm	545	745	745	945	945	1145	1145	1345	1545	1545
B	mm	215	215	215	215	215	215	215	215	215	215
C	mm	450	450	450	450	450	450	450	450	450	450
Weight	kg	11.5	14.3	15.1	20.6	21.6	23.5	25.0	28.1	30.1	33.6



		220	320	420	520	620	720	820	1020	1120	1220
A	mm	545	745	745	945	945	1145	1145	1345	1545	1545
B	mm	215	215	215	215	215	215	215	215	215	215
C	mm	450	450	450	450	450	450	450	450	450	450
Weight	kg	11.4	14.2	15.0	20.5	21.5	23.3	24.8	27.9	29.9	33.4

INSTALLATION

Recessed installation, ductable to wall or ceiling.*



TECHNICAL DATA						220			320			420			520			620		
DCT PB (rear)						02536			02537			02538			02539			02540		
DCT PF (frontal)						02546			02547			02548			02549			02550		
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		1.37	1.5	1.58	1.65	1.74	1.84	1.93	2.05	2.17	2.75	2.98	3.12	3.08	3.34	3.52
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW		1.11	1.21	1.28	1.39	1.47	1.56	1.54	1.64	1.74	2.18	2.37	2.49	2.39	2.6	2.75
Fluid flow rate	a27/19 - w7/12	(a)		l/h		242	264	280	289	306	325	338	361	383	485	527	552	541	589	621
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa		7.1	8.3	9.1	3.7	4.0	4.5	11.9	13.3	14.6	9.3	10.7	11.7	10.0	11.5	12.6
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW		1.79	1.96	2.08	2.5	2.64	2.81	2.76	2.94	3.12	3.91	4.26	4.47	4.31	4.69	4.96
Fluid flow rate	a20/15 - w50/-	(b)		l/h		242	264	280	289	306	325	338	361	383	485	527	552	541	589	621
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa		6.4	7.6	8.4	3.3	3.7	4.1	10.6	11.9	13.3	8.5	9.9	10.7	9	10.5	11.5
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW		1.5	1.64	1.74	2.13	2.26	2.4	2.34	2.49	2.64	3.31	3.6	3.78	3.64	3.96	4.19
Fluid flow rate	a20/15 - w45/40	(c)		l/h		253	276	291	362	381	403	396	421	445	558	605	635	615	666	705
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa		7	8.2	9	4.9	5.4	6	14	15.6	17.3	10.9	12.6	13.8	11.2	13	14.4
Absorbed power			(E)	W		31	38	47	33	43	54	33	43	54	67	87	90	67	87	90
Sound Power Lw (A)			(E)	dB(A)		55	57	59	56	59	60	56	59	60	59	61	62	59	61	62
Sound pressure taken in + radiated Lw (A)			(E)			56	58	60	57	60	61	57	60	61	60	62	63	60	62	63
Sound pressure Lp (A)		(d)		dB(A)		46	48	50	47	50	51	47	50	51	50	52	53	50	52	53
Sound pressure taken in + radiated Lp (A)						47	49	51	48	51	52	48	51	52	51	53	54	51	53	54
Air flow rate		(f)	(E)	m ³ /h		280	310	330	323	345	370	340	365	390	530	585	620	560	615	655
Useful air head			(E)	Pa		41	50	57	43	50	57	43	50	57	41	50	56	41	50	56
Battery water content				l			0.7			1			1			1.3			1.3	
Hydraulic fittings				inch			1/2" G F			1/2" G F			1/2" G F			1/2" G F			1/2" G F	
Electrical power supply				V/ph/Hz			230/1/50			230/1/50			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			-			-			-			-			-	

TECHNICAL DATA						720			820			1020			1120			1220		
DCT PB (rear)						02541			02542			02543			02544			02545		
DCT PF (frontal)						02551			02552			02553			02554			02555		
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		3.54	3.8	3.97	3.97	4.26	4.48	4.68	5	5.29	5.75	6.13	6.46	6.59	7	7.41
Sensitive power output in cooling mode	a27/19 - w7/12	(a)	(E)	kW		2.91	3.14	3.29	3.15	3.4	3.58	3.6	3.86	4.1	4.8	5.14	5.43	5.25	5.6	5.94
Fluid flow rate	a27/19 - w7/12	(a)		l/h		620	669	699	695	749	787	817	875	925	1010	1079	1141	1155	1230	1304
Water side head loss	a27/19 - w7/12	(a)	(E)	kPa		13.7	15.5	16.8	12.4	14.1	15.4	19.1	21.5	23.8	19.4	21.7	23.9	14.6	16.5	18.0
Total power output in heating mode	a20/15 - w50/-	(b)	(E)	kW		4.86	5.25	5.5	5.4	5.83	6.14	6.36	6.81	7.23	8.03	8.6	9.1	8.65	9.22	9.78
Fluid flow rate	a20/15 - w50/-	(b)		l/h		620	669	699	695	749	787	817	875	925	1010	1079	1141	1155	1230	1304
Water side head loss	a20/15 - w50/-	(b)	(E)	kPa		12.2	14.1	15.2	11	12.7	13.9	16.9	19.1	21.1	17.4	19.7	21.8	13.1	14.6	16.3
Total power output in heating mode	a20/15 - w45/40	(c)	(E)	kW		4.1	4.43	4.64	4.55	4.91	5.17	5.36	5.74	6.09	6.79	7.26	7.69	7.26	7.73	8.2
Fluid flow rate	a20/15 - w45/40	(c)		l/h		694	746	782	771	829	874	909	972	1033	1146	1224	1292	1227	1304	1382
Water side head loss	a20/15 - w45/40	(c)	(E)	kPa		14.9	17.1	18.6	13.3	15.2	16.7	20.4	23.1	25.6	21.8	24.6	27.2	14.5	16.2	18
Absorbed power			(E)	W		70	91	94	70	91	94	75	90		124	149	172	124	149	172
Sound Power Lw (A)			(E)	dB(A)		60	61	62	60	61	62	60	61	62	61	62	64	61	62	64
Sound pressure taken in + radiated Lw (A)			(E)			61	62	63	61	62	63	61	62	63	62	63	65	62	63	65
Sound pressure Lp (A)		(d)		dB(A)		51	52	53	51	52	53	51	52	53	52	53	55	52	53	55
Sound pressure taken in + radiated Lp (A)						52	53	54	52	53	54	52	53	54	53	54	56	53	54	56
Air flow rate		(f)	(E)	m ³ /h		640	700	740	680	740	785	740	800	855	1140	1235	1320	1220	1310	1400
Useful air head			(E)	Pa		42	50	56	42	50	56	42	50	57	43	50	57	43	50	57
Battery water content				l			1.6			1.6			1.9			2.2			2.2	
Hydraulic fittings				inch			1/2" G F			1/2" G F			1/2" G F			1/2" G F			1/2" G F	
Electrical power supply				V/ph/Hz			230/1/50			230/1/50			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 1/2 sphere at 3 m distance

(e) Eurovent certified data

(f) Air flow rate measured with clean filters

ACCESSORIES

CONTROLS	B1135	Wall-mounted thermostat kit	○
	B1136	Wi-Fi touch wall thermostat kit	○
	B1137	Water temperature probe	○
	B1146	Integration electric heating element	220
	B1147	Integration electric heating element	320/420
ELECTRICAL KITS	B1148	Integration electric heating element	520/620
	B1149	Integration electric heating element	720/820
	B1150	Integration electric heating element	1020
	B1151	Integration electric heating element	1120/1220
	B1142	Condensation pump kit for vertical installation	○
HYDRAULICS KIT	B1143	Condensation pump kit for horizontal installation	○
	B1140	2-way valve kit for horizontal installation	○
	B1141	2-way valve kit for vertical installation	○
	B1138	3-way valve kit for horizontal installation	○
	B1139	3-way valve kit for vertical installation	○
	B1145	Additional condensate collection tray kit, horizontal version	○
	B1144	Additional condensate collection tray kit, vertical version	○
	B1152	Insulated air delivery plenum kit with 1 circular connection	220
	B1153	Insulated air delivery plenum kit with 2 circular connections	320/420
	B1154	Insulated air delivery plenum kit with 2 circular connections	520/620
	B1155	Insulated air delivery plenum kit with 3 circular connections	720/820
	B1156	Insulated air delivery plenum kit with 4 circular connections	1020
	B1157	Insulated air delivery plenum kit with 4 circular connections	1120/1220
	B1158	Air extraction plenum kit with 1 circular connection	220
	B1159	Air extraction plenum kit with 2 circular connections	320/420
	B1160	Air extraction plenum kit with 2 circular connections	520/620
	B1161	Air extraction plenum kit with 3 circular connections	720/820
	B1162	Air extraction plenum kit with 4 circular connections	1020
	B1163	Air extraction plenum kit with 4 circular connections	1120/1220
	B1164	Straight insulated air delivery plenum kit	220
	B1165	Straight insulated air delivery plenum kit	320/420
	B1166	Straight insulated air delivery plenum kit	520/620
	B1167	Straight insulated air delivery plenum kit	720/820
	B1168	Straight insulated air delivery plenum kit	1020
	B1169	Straight insulated air delivery plenum kit	1120/1220
	B1170	Straight air extraction plenum kit	220

○ Accessorio opzionale

Please note: 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.

	B1171	Straight air extraction plenum kit	320/420
	B1172	Straight air extraction plenum kit	520/620
	B1173	Straight air extraction plenum kit	720/820
	B1174	Straight air extraction plenum kit	1020
	B1175	Straight air extraction plenum kit	1120/1220
	B1176	90° insulated air delivery plenum kit	220
	B1177	90° insulated air delivery plenum kit	320/420
	B1178	90° insulated air delivery plenum kit	520/620
	B1179	90° insulated air delivery plenum kit	720/820
	B1180	90° insulated air delivery plenum kit	1020
	B1181	90° insulated air delivery plenum kit	1120/1220
	B1182	90° air extraction plenum kit	220
	B1183	90° air extraction plenum kit	320/420
	B1184	90° air extraction plenum kit	520/620
	B1185	90° air extraction plenum kit	720/820
	B1186	90° air extraction plenum kit	1020



Controls

INDRZ

Addressing of the Modbus control kit

Addressing of TR commands and B0872 commands required for management via Modbus connection with SiOS Control, Bticino MyHome and any other home automation/BMS system that communicates via Modbus. Can be done on site by the installer or at the factory (specify when ordering).



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	○	○	○	○
Bi2 NAKED			○	○

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	○	○	○	○
Bi2 NAKED			○	○

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	TR
Bi2 SMART S1	○	○	
Bi2 WALL			TR
Bi2 NAKED			○

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	—	AR
Bi2 SMART S1	○	—	
Bi2 WALL			AR
Bi2 NAKED			○

B1135

Wall-mounted thermostat kit

Wall thermostat kit. Desired temperature selection, operating mode, ventilation speed. Ambient probe inserted in the control. LCD display. Wall mounting with hole interaxis compatible with standard 503 formwork box. For 0-10 V connection. Outputs: 1 EC~230V 0-10Vdc motor, 1 ON/OFF valve, 1 heating element, 1 minimum probe for water temperature control.



Compatible with:

Bi2 DUCTED	☐
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B1136

Wi-Fi touch wall thermostat kit

Wi-Fi wall thermostat kit. Selection of desired temperature, operating mode, ventilation speed, weekly timed thermostat mode configurable from dedicated app. Ambient probe inserted in the control. LCD display. Wall mounting with hole interaxis compatible with standard 503 formwork box. For 0-10 V connection. Outputs: 1 EC~230V 0-10Vdc motor, 1 ON/OFF valve, 1 heating element, 1 minimum probe for water temperature control.



Compatible with:

Bi2 DUCTED	☐
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B1130

Wireless kit

Installed on the electronics of Bi2 terminals, it allows controlling them using the OS Smart System application. The kit can be supplied for installation on site; alternatively, it can be fitted to the terminal directly at the factory. A kit must be provided for each terminal that you want to control with the application (in the case of Bi2 Naked, only one kit for each B0736).



Compatible with:

	SL	SLR		SLW
Bi2 AIR + B0872	☒	☒	Bi2 WALL	☒
Bi2 SMART S1	☐	☐		SLI SLIR
			Bi2 NAKED + B0872 + B0736	☐ ☐

COMPATIBILITY WITH CONTROLS FROM OTHER MANUFACTURERS

To expand the control possibilities, the Olimpia Splendid terminal units are compatible with a selection of thermostats and advanced control systems, featuring wireless connections and applications for tablets and smartphones. You can consult the compatibility sheets in the download area of the Olimpiaspplendid.it website.

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	☐	☐	Bi2 NAKED	☐	☐

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	☐	☐

B1137	Water temperature probe Water temperature probe kit for activating ventilation only when the desired water temperature is reached Compatible with:	
B1146	Integration electric heating element 1000W integration electric heating element kit for heating 230/1/50 (V/ph/Hz), factory configurable on request. Compatible with:	
B1147	Integration electric heating element 1500W integration electric heating element kit for heating 230/1/50 (V/ph/Hz), factory configurable on request. Compatible with:	
B1148	Integration electric heating element 2000W integration electric heating element kit for heating 230/1/50 (V/ph/Hz), factory configurable on request. Compatible with:	
	Integration electric heating element 3000W integration electric heating element kit for heating 230/1/50 (V/ph/Hz), factory configurable on request. Compatible with:	
B1149	Bi2 DUCTED	720/820
B1150	Bi2 DUCTED	1020
B1151	Bi2 DUCTED	1120/1220

Condensation drain kit

B0983

Condensation pump kit

The optional kit for condensation pump allows solving the drain problem even where the slopes do not allow a natural discharge of the water (see details in the installation manual).

Compatible with:

SL

Bi2 WALL	≥ 1000
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B1142

Condensation pump kit for vertical installation

The optional kit for condensation pump allows solving the drain problem even where the slopes do not allow a natural discharge of the water. The kit comes with an additional condensate drip tray for vertical installation.

Compatible with:

Bi2 DUCTED	☐
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B1143

Condensation pump kit for horizontal installation

The optional kit for condensation pump allows solving the drain problem even where the slopes do not allow a natural discharge of the water.

Compatible with:

Bi2 DUCTED	☐
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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 and for the on/off of a secondary circulator or heat generator.

Compatible with:

	SL	SLR		SLI	SLIR
Bi2 AIR	☐	☐	Bi2 NAKED	☐	☐
Bi2 SMART S1	☐	☐			



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 and for the on/off of a secondary circulator or heat generator.

Compatible with:

	SL	SLR		SLI	SLIR
Bi2 AIR	☐	☐	Bi2 NAKED	☐	☐
Bi2 SMART S1	☐	☐			



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	☐	☐	Bi2 NAKED	☐	☐
Bi2 SMART S1	☐	☐			



Hydraulics kit

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	☐	☐	Bi2 NAKED	☐	☐
Bi2 SMART S1	☐	☐			

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	☐	☐	Bi2 NAKED	☐	☐
Bi2 SMART S1	☐	☐			

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	☐	☐	Bi2 NAKED	☐	☐
Bi2 SMART S1	☐	☐			

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	☐	☐	Bi2 NAKED	☐	☐
Bi2 SMART S1	☐	☐			

B1140

new

2-way valve kit for horizontal installation
Consisting of a 2-way valve with thermoelectric actuator. The valve allows control of the thermal emission of the terminal by intercepting the passage of water. This kit is supplied as standard with the additional horizontal tray for collecting condensation.



Compatible with:

Bi2 DUCTED	☐
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B1141

new

2-way valve kit for vertical installation
Consisting of a 2-way valve with thermoelectric actuator. The valve allows control of the thermal emission of the terminal by intercepting the passage of water. This kit is supplied as standard with the additional vertical tray for collecting condensation.



Compatible with:

Bi2 DUCTED	☐
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B1138

new

3-way valve kit for horizontal installation
Consisting of a 3-way valve with thermoelectric actuator. The valve allows control of the thermal emission of the terminal by intercepting the passage of water. This kit is supplied as standard with the additional horizontal tray for collecting condensation.



Compatible with:

Bi2 DUCTED	☐
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B1139

new

3-way valve kit for vertical installation
Consisting of a 3-way valve with thermoelectric actuator. The valve allows control of the thermal emission of the terminal by intercepting the passage of water. This kit is supplied as standard with the additional vertical tray for collecting condensation.



Compatible with:

Bi2 DUCTED	☐
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☐ Optional accessory | — Accessory not compatible

Please note: 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.

B1145

New

Additional condensate collection tray kit, horizontal version

Auxiliary condensation collection tray suitable for horizontal installations. (Supplied as standard with the B1140 and B1138 kits)

Compatible with:

Bi2 DUCTED	☐
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B1144

New

Additional condensate collection tray kit, vertical version

Auxiliary condensation collection tray suitable for vertical installations. (Supplied as standard with the B1141 and B1139 kits)

Compatible with:

Bi2 DUCTED	☐
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Aesthetic kits

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	≤800	≤800
B0938	Bi2 SMART S1	☐	☐

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	≤800	≤800
B0874	Bi2 AIR	≥1100	≥1100

		SL	SLR
B0937	Bi2 SMART S1	☐	☐

Aesthetic ceiling feet kit

Aesthetic kit containing two feet for covering any pipes coming from the wall. Specially designed to maximise the space available for the pipes in the case of ceiling installation. Available in white RAL 9003.



Compatible with:

		SL	SLR
B0982	Bi2 SMART S1	☐	—

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

		SL	SLR
B0876	Bi2 AIR	1100	1100
B0876	Bi2 AIR	1400	1400
B0877	Bi2 AIR	1600	1600

Ceiling-mount kit (condensation trap)

Trap kit for the collection of the condensation 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	—

		SL	SLR
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
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	—	≥ 1100

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	≥ 1100	—

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	—

		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	—

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

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.



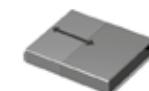
Compatible with:

		SLI	SLIR
B0194	Bi2 NAKED	200	—
B0195	Bi2 NAKED	400	—
B0196	Bi2 NAKED	600	—
B0197	Bi2 NAKED	800	—

		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	—

		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	—

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

○ Accessorio opzionale | — Accessorio non compatibile

Please note: 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.

Ducting kit

B1152 NEW

Insulated air delivery plenum kit with 1 circular connection

Insulated air delivery plenum with 1 circular connection $\varnothing$ 200/180/160 mm.



Compatible with:

Bi2 DUCTED	220
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Insulated air delivery plenum kit with 2 circular connectionsInsulated air delivery plenum with 2 circular connections $\varnothing$ 200/180/160 mm.Compatible with:

B1153	Bi2 DUCTED	320/420	B1154	Bi2 DUCTED	520/620
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B1155 Insulated air delivery plenum kit with 3 circular connectionsInsulated air delivery plenum with 3 circular connections $\varnothing$ 200/180/160 mm.Compatible with:

Bi2 DUCTED	720/820
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Insulated air delivery plenum kit with 4 circular connectionsInsulated air delivery plenum with 4 circular connections $\varnothing$ 200/180/160 mm.Compatible with:

B1156	Bi2 DUCTED	1020	B1157	Bi2 DUCTED	1120/1220
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B1158 Air extraction plenum kit with 1 circular connectionNon-insulated air extraction plenum with 1 circular connection $\varnothing$ 200/180/160 mm.Compatible with:

Bi2 DUCTED	220
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Air extraction plenum kit with 2 circular connectionsNon-insulated air extraction plenum with 2 circular connections $\varnothing$ 200/180/160 mm.Compatible with:

B1159	Bi2 DUCTED	320/420	B1160	Bi2 DUCTED	520/620
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B1161 Air extraction plenum kit with 3 circular connectionsNon-insulated air extraction plenum with 3 circular connections $\varnothing$ 200/180/160 mm.Compatible with:

Bi2 DUCTED	720/820
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Air extraction plenum kit with 4 circular connectionsNon-insulated air extraction plenum with 4 circular connections $\varnothing$ 200/180/160 mm.Compatible with:

B1162	Bi2 DUCTED	1020
B1163	Bi2 DUCTED	1120/1220

Straight insulated air delivery plenum kitCompatible with:

B1164	Bi2 DUCTED	220	B1167	Bi2 DUCTED	720/820
B1165	Bi2 DUCTED	320/420	B1168	Bi2 DUCTED	1020
B1166	Bi2 DUCTED	520/620	B1169	Bi2 DUCTED	1120/1220

Straight air extraction plenum kit



Compatible with:

B1170	Bi2 DUCTED	220
B1171	Bi2 DUCTED	320/420
B1172	Bi2 DUCTED	520/620

B1173	Bi2 DUCTED	720/820
B1174	Bi2 DUCTED	1020
B1175	Bi2 DUCTED	1120/1220

90° insulated air delivery plenum kit



Compatible with:

B1176	Bi2 DUCTED	220
B1177	Bi2 DUCTED	320/420
B1178	Bi2 DUCTED	520/620

B1179	Bi2 DUCTED	720/820
B1180	Bi2 DUCTED	1020
B1181	Bi2 DUCTED	1120/1220

90° air extraction plenum kit



Compatible with:

B1182	Bi2 DUCTED	220
B1183	Bi2 DUCTED	320/420
B1184	Bi2 DUCTED	520/620

B1185	Bi2 DUCTED	720/820
B1186	Bi2 DUCTED	1020
B1187	Bi2 DUCTED	1120/1220

Telescopic extension kit 0-100 mm

Telescopic extension 0-100mm suitable for connection with all straight and 90° extraction and delivery plenums (not compatible with plenums with circular connections).



Compatible with:

B1188	Bi2 DUCTED	220
B1189	Bi2 DUCTED	320/420
B1190	Bi2 DUCTED	520/620

B1191	Bi2 DUCTED	720/820
B1192	Bi2 DUCTED	1020
B1193	Bi2 DUCTED	1120/1220

Delivery grille kit

Air delivery grille without fixed fin filter in ABS, white RAL 9003



Compatible with:

B1194	Bi2 DUCTED	220
B1195	Bi2 DUCTED	320/420
B1196	Bi2 DUCTED	520/620

B1197	Bi2 DUCTED	720/820
B1198	Bi2 DUCTED	1020
B1199	Bi2 DUCTED	1120/1220

Extraction grille kit

Air extraction grille with fixed fin filter in ABS, white RAL 9003.



Compatible with:

B1200	Bi2 DUCTED	220
B1201	Bi2 DUCTED	320/420
B1202	Bi2 DUCTED	520/620

B1203	Bi2 DUCTED	720/820
B1204	Bi2 DUCTED	1020
B1205	Bi2 DUCTED	1120/1220





SITALI

Decentralised and ducted heat recovery ventilation units



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.

Heat recovery ventilation

Decentralised systems

SITALI SFE 100 S1

Continual single flow HRV



100

Sitali SFE 100 S1 (99231)

150

SITALI SF 150 S1

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)

SITALI CX 180

Double flow HRV with horizontal installation



AUTOMATIC CONTROLS

Sitali CXOA 180 (99248)

MANUAL CONTROLS

Sitali CXOM 180 (99247)

SITALI CX 280

Double flow HRV with vertical installation



AUTOMATIC CONTROLS

Sitali CXVA 280 S1 (99205)

NEW

MANUAL CONTROLS

Sitali CXVM 280 S1 (99204)

NEW

SITALI CX 400

Double flow HRV with vertical installation



AUTOMATIC CONTROLS

Sitali CXVA 400 (99244)

SITALI CX 550

Double flow HRV with vertical installation



AUTOMATIC CONTROLS

Sitali CXVA 550 (99243)

SITALI SFE 100 S1
1 2 3 4 5

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)
Position 5: Series (S1, S2, S3 etc.)

SITALI CXRA 120
1 2 3 4 5 6

Centralised nomenclature

Valid for ducted 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



BMS

HEAT PUMPS

FAN COIL UNITS

HRV

UNICO

MONO AND MULTISPLIT

PORTABLES

DEHUMIDIFIERS

SITALI SFE 100 S1

Compatible with:
Sios
CONTROL

Decentralized Heat Recovery Ventilation with continuous single flow.



SILENT FUNCTION

The most silent: only <9dB(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 condensation and mould, which inevitably damage the structure and compromise the health of the occupants.



HUMIDITY DETECTION

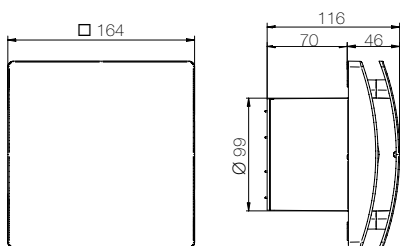
The unit is equipped with a humidity detection probe which works in automatic mode. If there is a sudden increase in the humidity rate and the relative humidity value exceeds 65% the unit works at intermediate speed and after the humidity level stabilises, it continues to work at intermediate speed for a fixed time of 5 minutes. The humidistat function can be activated via dip switch.



FEATURES

- Top quality ABS structure
- High-efficiency aerodynamic fan
- EC brushless motor with thermal protection
- Integrated humidity sensor (see manual for operation)
- Automatic timer with shutdown delay (see manual for operation).
- Elegant design with minimalist lines
- Front cover; easy to remove for cleaning, without the use of tools
- Aerodynamic deflectors
- Very low energy consumption
- 3 ventilation speeds available

DIMENSIONS AND TECHNICAL SPECIFICATIONS



TECHNICAL DATA

PRODUCT CODE	99231
Hole diameter mm	100 (110 with telescopic tube)
Air flow rate m³/h	max 102 - min 17
Absorption W	max 4,5 - min 0,9
Sound level* dB(A)	max 37 - min 9
Max room temperature °C	40
Degree of protection IP (wall installation)	IPX4
Weight kg	0,6
M² treated**	8 m²

220-240 V ~ 50-60Hz aerolic 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 90 m³/h as max flow rate, 10 Pa prevalence and a room height of 2.7 m.

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

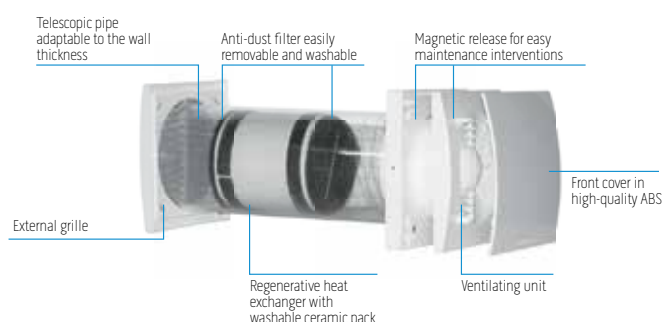
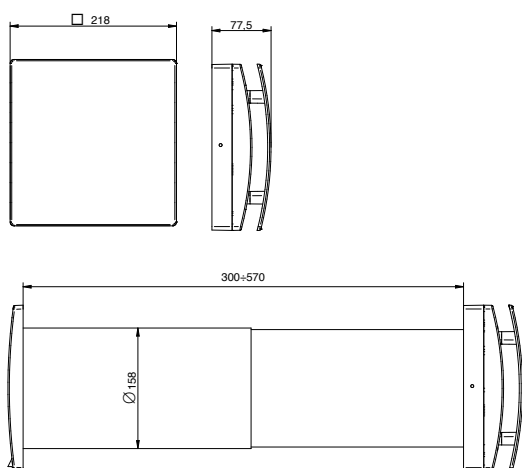
Quick release via magnets for easy maintenance without the need for specialized staff.



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
- Synchronization possible for up to 10 units (via cable connection)

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 aerulic 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. Energy efficiency classes refer to a range between A+ and G.

SITALI CX 120

Double flow centralised compact HRV

Compatible with:
SIOS
CONTROL



COMPACT DIMENSIONS

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



FLEXIBLE INSTALLATION

The unit is reversible and can be installed on the wall in a vertical position, and horizontal position on the ceiling or false ceiling.



AUTOMATIC CONTROLS

Multi-function control panel.



FEATURES

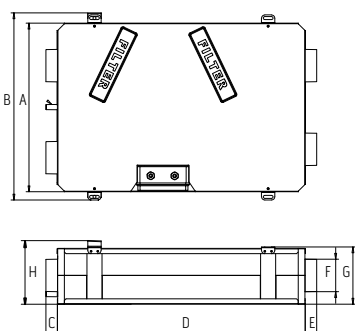
- External panels made of pre-coated RAL 9010 and made of galvanized steel.
- Main structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on ball bearings for 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 condensation drain (winter only).
- 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



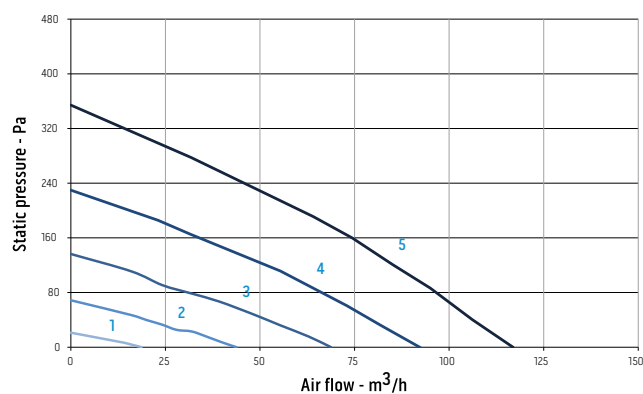
		SITALI CXRA 120
A	mm	504
B	mm	559
C	mm	34
D	mm	741
E	mm	34
F	mm	97
G	mm	171
H	mm	190
Weight	kg	11,5 kg

TECHNICAL DATA

		SITALI CXRA 120
PRODUCT CODE		99250
EAN CODE		8021183992502
Maximum flow rate @100 Pa	m ³ /h	91
Electrical power consumption (at the maximum flow rate)	W	58
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	m ³ /h	64
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m ³ /h	0.391
Sound power level (LWA)	dB(A)	50
Electrical power supply		220-240V/50-60Hz
IP protection rating		IPX4
Sound pressure @3m(1)	dB(A)	18
Max room temperature	°C	+40

(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes. Energy efficiency classes refer to a range between A+ and G.

SITALI CXRA 120



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

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

Sitali CXRA 120



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

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 condensation drain that can be used based on climatic requirements.

OPERATION

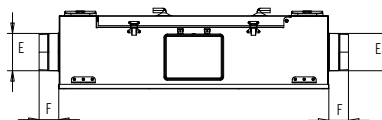
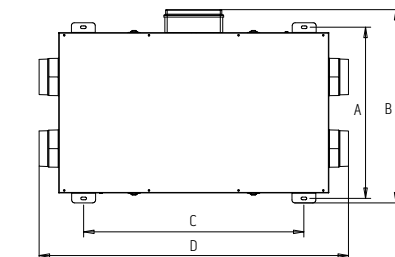
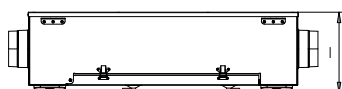
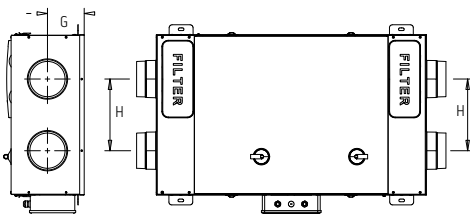
Version with CXOA 180 automatic control

- 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



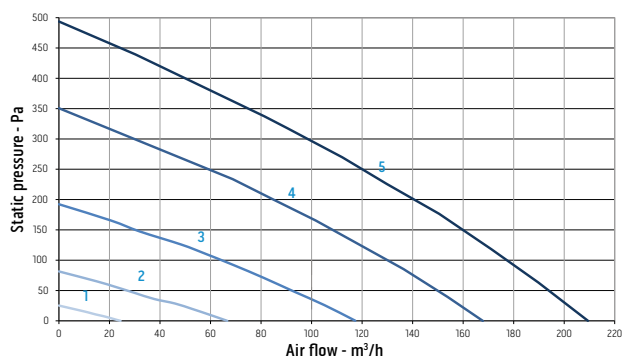
		SITALI CXOA 180	SITALI CXOM 180
A	mm	574	574
B	mm	648	648
C	mm	738	738
D	mm	1037	1037
E	mm	125	125
F	mm	66	66
G	mm	123	123
H	mm	240	240
I	mm	270	270
Weight	kg	20 kg	20 kg

TECHNICAL DATA

		SITALI CXOA 180	SITALI CXOM 180
PRODUCT CODE		99248	99247
EAN CODE		8021183992489	8021183992472
Maximum flow rate @100 Pa	m ³ /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	m ³ /h	124	124
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m ³ /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

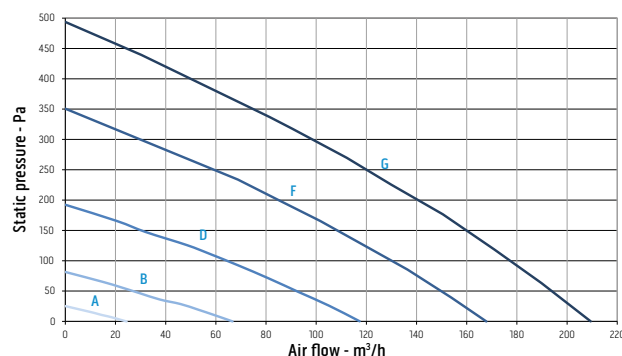
(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes. Energy efficiency classes refer to a range between A+ and G.

SITALI CXOA 180

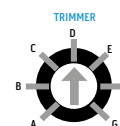


	Speed %	W max	m ³ /h max
1	20	10	24
2	40	18	67
3	60	36	117
4	80	77	178
5	100	105	209

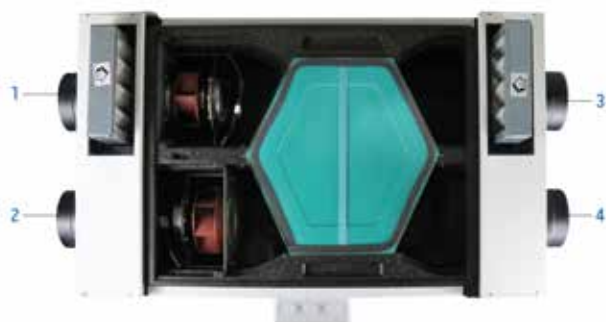
SITALI CXOM 180



Trimmer Position	Speed %	W max	m ³ /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)

SITALI CX 280 S1

Double flow centralised HRV

Compatible with:
SiOS
CONTROL



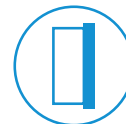
INTEGRATED PHYSICAL BYPASS

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 condensation drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

OPERATION

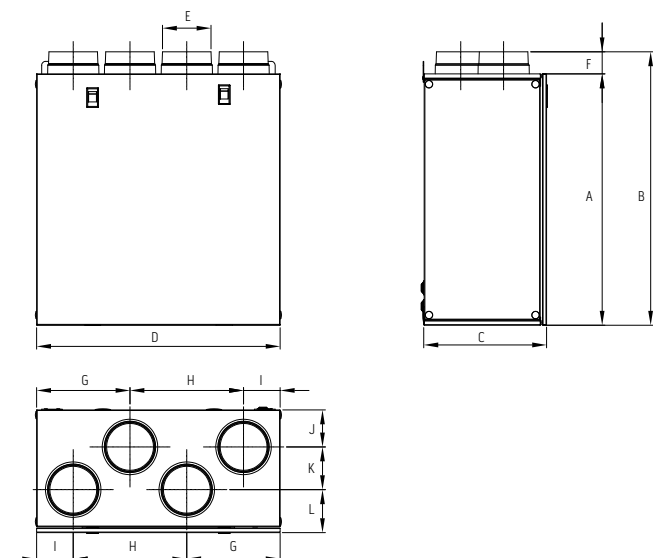
Version with CXVA 280 automatic control

- 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



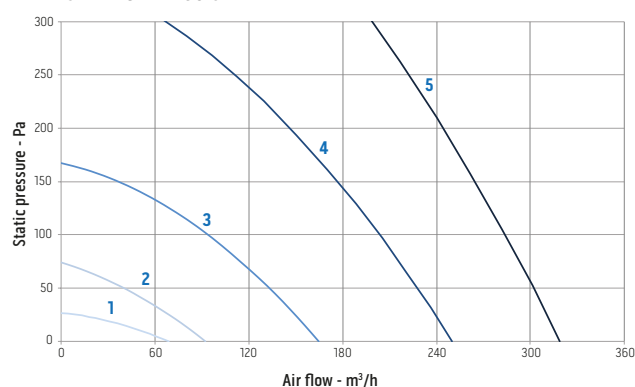
		SITALI CXVA 280 S1	SITALI CXVM 280 S1
A	mm	610	610
B	mm	665	665
C	mm	298	298
D	mm	592	592
E	mm	125	125
F	mm	55	55
G	mm	227	227
H	mm	276	276
I	mm	89	89
J	mm	90	90
K	mm	104	104
L	mm	104	104
Weight	kg	21,4 kg	23 kg

TECHNICAL DATA

		SITALI CXVA 280 S1	SITALI CXVM 280 S1
PRODUCT CODE		99205	99204
EAN CODE		8021183992465	8021183992458
Maximum flow rate @100 Pa	m ³ /h	270	270
Electrical power consumption (at the maximum flow rate)	W	170	170
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	%	85	85
Reference flow rate	m ³ /h	189	189
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m ³ /h	0.370	0.370
Sound power level (LWA)	dB(A)	57	57
Electrical power supply		220-240V~/50-60Hz	220-240V~/50-60Hz
IP protection rating		IPX2	IPX2
Sound pressure @3m(1)	dB(A)	24	24
Max room temperature	°C	+40	+40

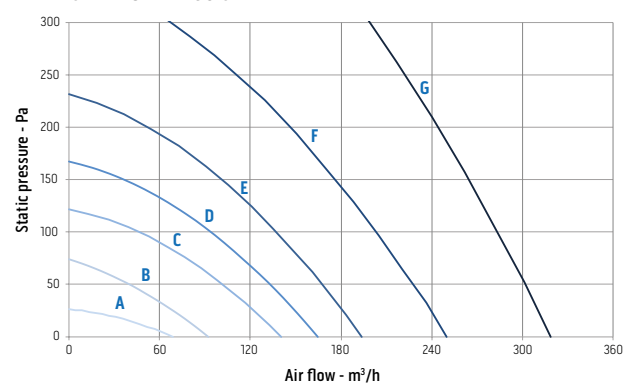
(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes. Energy efficiency classes refer to a range between A+ and G.

SITALI CXVA 280 S1

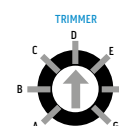


	Speed %	W max	m ³ /h max
1	20	8	55
2	40	14	92
3	60	33	165
4	80	86	250
5	100	178	319

SITALI CXVM 280 S1



Trimmer Position	Speed %	W max	m ³ /h max
A	20	8	55
B	40	14	92
C	53	21	143
D	60	33	165
E	70	41	197
F	80	86	250
G	100	178	319



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

SITALI CX 400

Double flow centralised HRV

Compatible with:
SIOS
CONTROL



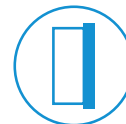
INTEGRATED PHYSICAL BYPASS

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.



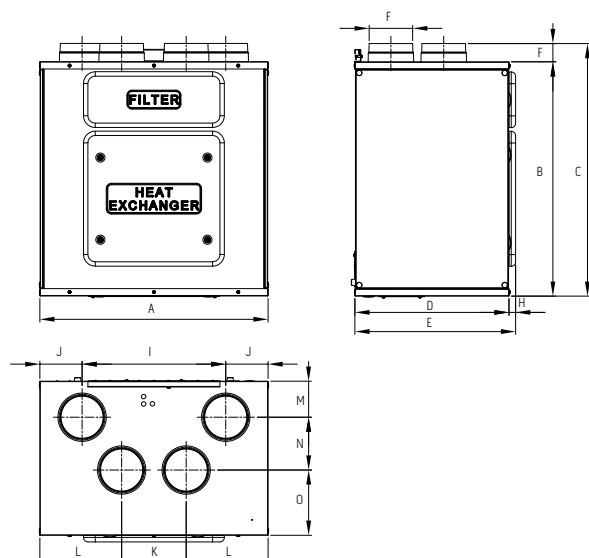
FEATURES

- 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 condensation 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



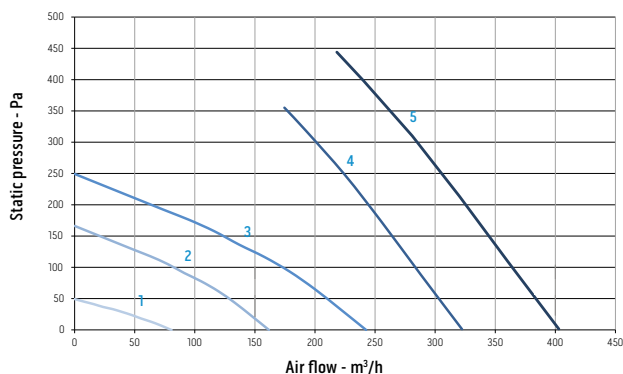
		SITALI CXVA 400
A	mm	778
B	mm	799
C	mm	860
D	mm	525
E	mm	549
F	mm	148
G	mm	62
H	mm	23
I	mm	490
J	mm	144
K	mm	220
L	mm	279
M	mm	1225
N	mm	180
O	mm	222.5
Weight	kg	34,5 kg

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. Energy efficiency classes refer to a range between A+ and G.

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

SITALI CX 550

Double flow centralised HRV

Compatible with:
SiOS
CONTROL



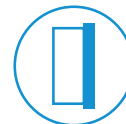
INTEGRATED PHYSICAL BYPASS

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.



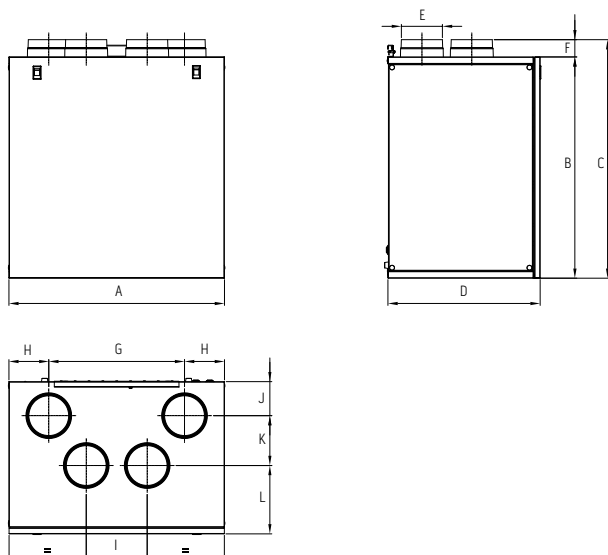
FEATURES

- 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 condensation 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



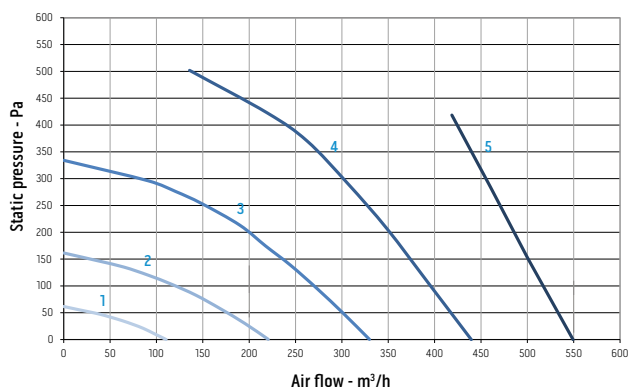
		SITALI CXVA 550
A	mm	778
B	mm	799
C	mm	860
D	mm	549
E	mm	148
F	mm	62
G	mm	490
H	mm	144
I	mm	220
J	mm	122.5
K	mm	180
L	mm	246.5
Weight	kg	44 kg

TECHNICAL DATA

		SITALI CXVA 550
PRODUCT CODE		99243
EAN CODE		8021183992434
Maximum flow rate @100 Pa	m ³ /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	m ³ /h	364
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m ³ /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. Energy efficiency classes refer to a range between A+ and G.

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.



B1119

Terminal unit 150 Silent

"Dnew 45dB), designed to reduce noise coming from outside. Suitable for particularly windy outdoor conditions. Made of RAL9010 pre-painted aluminium sheet, equipped with fireproof sound-absorbing mat, front inspection panel, drip trap and anti-insect net. Possibility of semi-recessed installation as well. Compatible with Sitali SF 150 S1.



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



M5 filters

Class M5 filtration elements (pack of 2 items).

B1207	For Sitali CX 280 S1
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DEHUMIDIFIERS

PORTABLES

MONO AND MULTISPLIT

UNICO

HRV

FAN COIL UNITS

HEAT PUMPS

BMS



AIR CONDITIONING





UNICO

Air-to-air heat pumps without
outdoor unit



An Italian smart factory

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

Produced with 100% renewable energy

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

Packaged in FSC cardboard, recyclable and plastic free

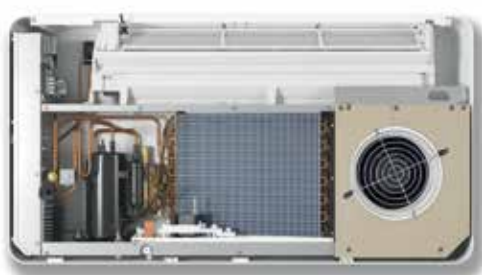
Every material has been carefully selected, including the packaging. Unico's new-generation packaging is made of FSC®-certified cardboard (sourced from responsibly managed forests adhering to strict environmental, social and economic standards), is 100% recyclable and 98% plastic free. And the manuals?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





The evolution of Unico

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



Superior energy efficiency

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



-49% perceived noise annoyance

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

Air-to-air heat pumps without outdoor unit

Inverter technology

UNICO EVO-F [PVA]

With post-consumer recycled plastic



Unico Evo-F 16 HP PVA (02522)

NEW



<2.0 kW

2.1÷2.5 kW

UNICO EVO [PVAN/EVAN]

The most silent Unico ever



Unico Evo 20 HP PVAN (02453)

Unico Evo 25 HP PVAN (02455)



UNICO EVO [EVANX]

+2kW supplementary heating element



UNICO PRO [EVAN]

Maximum power



UNICO VERTICAL [EVAN]

Vertical layout, also available in a recessed version



UNICO VERTICAL [EVANX]

+2kW supplementary heating element



On/off technology

UNICO EASY [S2]

Console format



Unico Easy S2 HP (02527)



UNICO TWIN [RFA]

For two rooms



NEW

2.6÷3.0 kW	>3.1 kW

Unico Evo 30 HP EVAN (02525)

NEW



Unico Evo 30 HP EVANX (02576)

NEW



Unico Pro 30 HP EVAN (02238)

Unico Pro 35 HP EVAN (02239)



Unico Vertical-NK 35 HP EVAN (02557)

NEW

Unico Vertical 35 HP EVAN (02559)

NEW



Unico Vertical-NK 35 HP EVANX (02556)

NEW

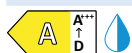
Unico Vertical 35 HP EVANX (02558)

NEW



Unico Twin Master 30 HP RFA (02138)

Unico Twin Wall S1 (01996)



UNICO EVO 30 HP EVANX

1 2 3 4 5 6 7 8 9

Nomenclature

Position 1: Unico line name

Position 2: Range name

Position 3: Size (16, 20, 25, 30, 35)

16=Class up to 1.6 kW nominal power in cooling mode

20=Class from 1.7 kW up to 2.0 kW nominal power in cooling mode

25=Class from 2.1 kW up to 2.5 kW nominal power in cooling mode

30=Class from 2.6 kW up to 3.0 kW nominal power in cooling mode

35=Class from 3.1 kW up to 3.5 kW nominal power in cooling mode

Position 4: Operating specification (HP=heat pump)

Position 5: Refrigerant (P=R290, E=R32, R=R410A)

Position 6: Compressor technology (V=inverter, F=on/off)

Position 7: Regulatory country specification (A=Europe)

Position 8: Connectivity (N=integrated Wi-Fi)

Position 9: Electric heating element (X)



Supplementary electric heating element



Natural R290 refrigerant



Low GWP R32 refrigerant



Condensation drainage always mandatory (even when used only for cooling)



Condensate drain mandatory if used for heating



SF function can be set to prevent the user from accidentally activating the heating mode.

Installation guidelines

The main rules to follow

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

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



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

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

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

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

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

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

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

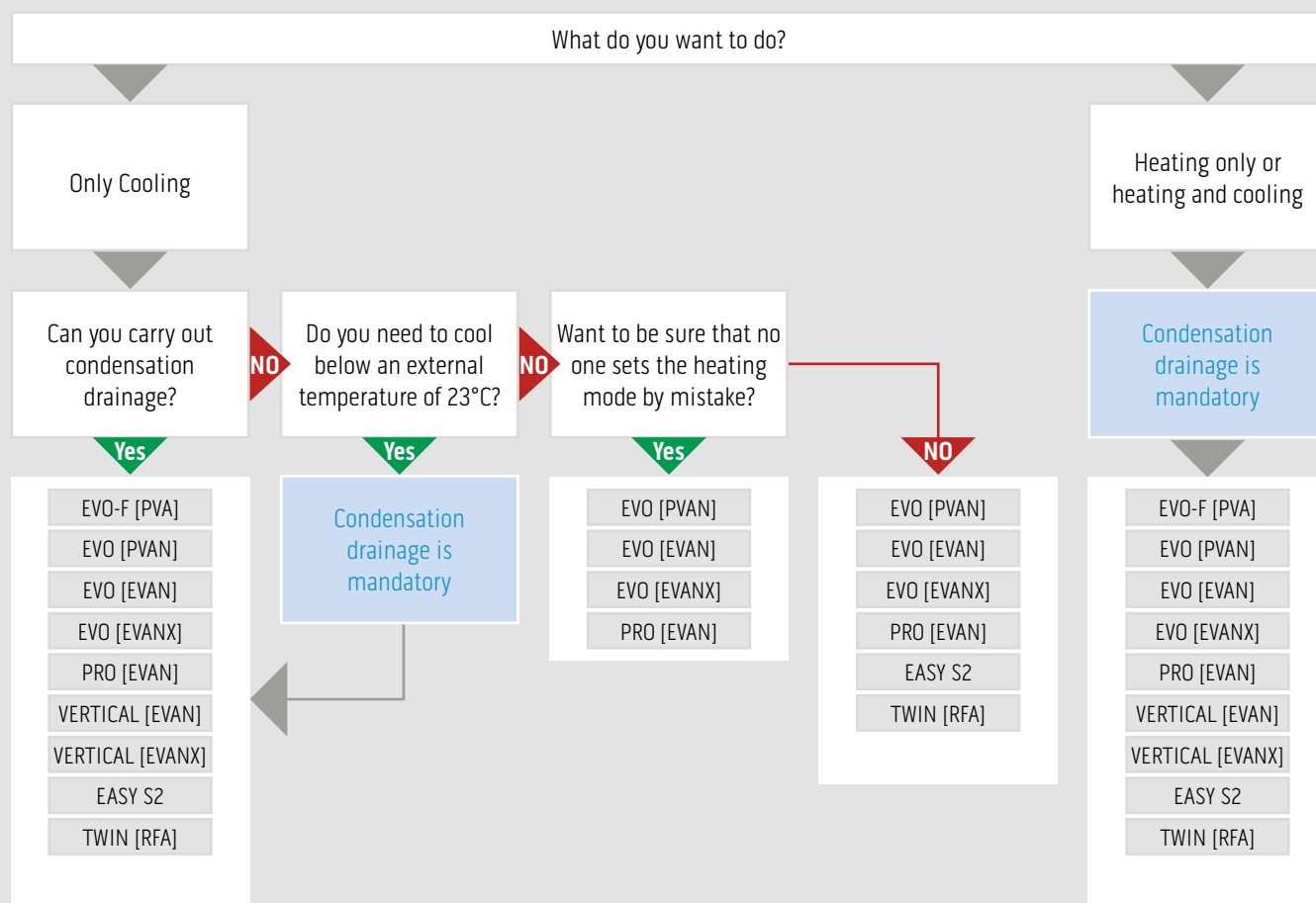
2. Along the perimeter, top or bottom

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

3. On the outside, only 2 holes

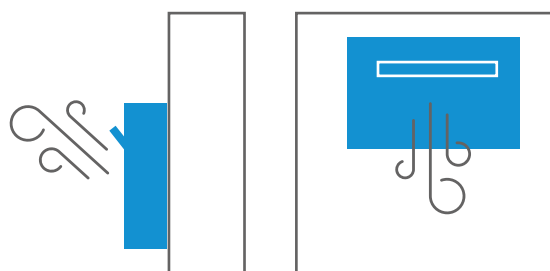
The operation of Unico requires the drilling of two holes in the wall (160 or 200 mm), positioned as indicated in the drilling template, which can be downloaded in the download area of the website www.olimpiasplendid.com. As specified in the installation manuals of the individual models, a third small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

4. Condensation drain: when needed



5. Flap adjusted for better comfort

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



UNICO EVO-F [PVA]

Heat pump air conditioner without outdoor unit



SYNC POWER SYSTEM

The new Twin Rotary compressor and the latest generation electronics are synchronised to obtain the best acoustic comfort, in all operating conditions.



RECYCLED PLASTIC

Front panel made of 100% recycled plastic, in black. A material identical to the original but recovered from post-consumer products. For an increasingly circular economy.



HEAT PUMP

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



CONDENSATE DRAIN

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



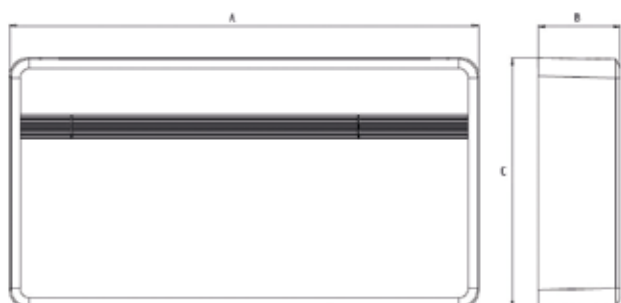
FEATURES

- Power max: 2,1 kW
- Available in the HP version (heat pump).
- Cooling class: A (on a range between A+++ and D)
- Natural refrigerant gas: R290 (GWP=3)
- Internal layout of the machine optimised for easy maintenance.
- Large flap for homogeneous diffusion of air in the environment
- Backlit display with touch controls on the machine.
- Simplified remote control.
- On /off contact for enabling or energy boost.
- There is an RS485 port designed to control the air conditioner with external BMS in Modbus RTU language.
- 100% recyclable packaging, 98% plastic free.

FUNCTIONS

- Cooling, heating, dehumidification and ventilation

DIMENSIONS AND WEIGHT



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

TECHNICAL DATA

			Unico Evo-F 16 HP PVA
PRODUCT CODE			02522
EAN CODE			8021183025224
Cooling power (min/max)		kW	1,0 / 2,1
Heating power (min/max)		kW	1,0 / 2,1
Nominal cooling capacity (1)	Prated	kW	 1,6
Nominal heating capacity (1)	Prated	kW	 1,5
Nominal power consumption for cooling (1)	PEER	kW	0,6
Nominal absorption for cooling (1)		A	6,1
Nominal power consumption for heating (1)	PCOP	kW	0,5
Nominal absorption for heating (1)		A	3,5
Nominal energy efficiency index (1)	EERd		2,6
Nominal efficiency coefficient (1)	COPd		3,3
Energy efficiency class in cooling (1)			A
Energy efficiency class in heating (1)			A
Energy consumption in "thermostat off" mode	PTO	W	14,0
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	0,6
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0,5
Cooling power with Silent Mode function		kW	-
Heating power with Silent Mode function		kW	-
Supply voltage		V-F-Hz	230-1-50
Supply voltage (min/max)		V	198 / 264
Power consumption in cooling mode (min/max)		kW	0,3 / 1,1
Absorption in cooling mode (min/max)		A	2,5 / 7,4
Absorbed power in heating mode (min/max)		kW	0,3 / 1,1
Absorption in heating mode (min/max)		A	2,1 / 6,2
Maximum power consumption with electric resistance heating (min/med/max)		kW	-
Absorption with electric resistance heating (min/med/max)		A	-
Dehumidification capacity		l/h	0,7
Air flow rate in cooling environment (max/med/min)		m³/h	195/270/380
Air flow rate in heating environment (max/med/min)		m³/h	195/270/380
Air flow rate with electric resistance heating environment (min/med/max)		m³/h	-
External air flow rate in cooling (max/min)		m³/h	350/650
External air flow rate in heating (max/min)		m³/h	350/650
Internal ventilation speed			3
External ventilation speed			6
Diameter wall holes**		mm	162/202
Electric resistance heating (min/med/max)		kW	-
Maximum remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	1015 x 540 x 180
Dimensions (WxHxD) (with packaging)		mm	1100 x 605 x 290
Weight (without packaging)		kg	41
Weight (with packaging)		kg	43
Internal sound pressure (min/max) (2)		dB(A)	 27-42
Silent Mode sound pressure level		dB(A)	-
Degree of protection provided by covers			IP20
Refrigerant gas*		Type	R290
Global warming potential	GWP		3
Refrigerant gas charge		kg	0,145
Maximum operating pressure		MPa	3,10
Power cable (N° pole x section mmq)			3 x 1,5

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -15°C

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: Temperature: outdoor environment DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C

(2) Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

*Hermetically sealed equipment containing gas with GWP equivalent to 3.

** Machine supplied with 202 mm wall opening grilles. If necessary, to replace an old Unico, the machine can also be installed with holes of 162 mm in diameter.

Energy efficiency classes refer to a range between A+++ and D.

UNICO EVO [PVAN/EVAN]

Heat pump air conditioner without outdoor unit



SILENT MODE

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



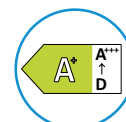
SYNC POWER SYSTEM

The new Twin Rotary compressor and the latest generation electronics are synchronised to obtain the best acoustic comfort, in all operating conditions.



HIGH EFFICIENCY

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



CONDENSATE DRAIN

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



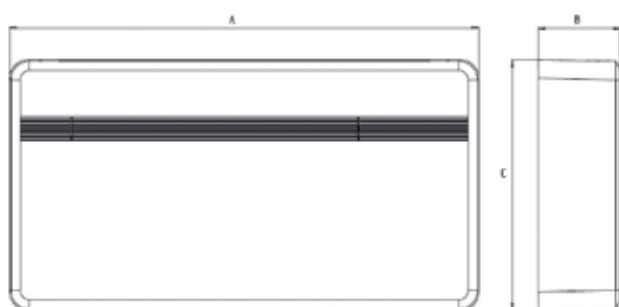
FEATURES

- Two max power models: 2.3, 2.5 and 3.1 kW
- Available in the HP version (heat pump). In the absence of the condensation drain, during installation the machine can be configured in the version "ONLY COOLING", deactivating the heating function. If necessary, it is also possible to configure the machine in "ONLY HEATING" disabling the cooling function.
- Cooling class: up to A+ (on a range between A+++ and D)
- Natural refrigerant R290 (GWP=3) for sizes 20 and 25 and R32 (GWP=675) for size 30.
- Internal layout of the machine optimised for easy maintenance.
- Large flap for homogeneous diffusion of air in the environment
- Equipped with multi-filtration system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against bad smells).
- Backlit display with touch controls on the machine.
- On /off contact for enabling or energy boost.
- There is an RS485 port designed to control the air conditioner with external BMS in Modbus RTU language.
- 100% recyclable packaging, 98% plastic free.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Economy function:** allows energy savings, automatically optimising machine performance
- **Auto function:** modulates the operating parameters in relation to the room temperature.
- **Silent Mode function:** mode that sets the machine to the lowest noise level. The compressor and fans are set to bring the sound pressure to just 30 dB(A).
- **24h timer**

DIMENSIONS AND WEIGHT



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

TECHNICAL DATA

			Unico Evo 20 HP PVAN	Unico Evo 25 HP PVAN	Unico Evo 30 HP EVAN
PRODUCT CODE			02453	02455	02525
EAN CODE			8021183024531	8021183024555	8021183025255
Cooling power (min/max)		kW	1,0 / 2,3	1,0 / 2,5	1,5 / 3,1
Heating power (min/max)		kW	1,0 / 2,2	1,0 / 2,3	1,2 / 2,7
Nominal cooling capacity (1)	Prated	kW	1,7	2,1	2,6
Nominal heating capacity (1)	Prated	kW	1,5	1,7	2,4
Nominal power consumption for cooling (1)	PEER	kW	0,5	0,8	1
Nominal absorption for cooling (1)		A	4,7	4,7	4,1
Nominal power consumption for heating (1)	PCOP	kW	0,4	0,5	0,8
Nominal absorption for heating (1)		A	3,4	3,4	3,4
Nominal energy efficiency index (1)	EERd		3,1	2,6	2,6
Nominal efficiency coefficient (1)	COPd		3,4	3,1	3,1
Energy efficiency class in cooling (1)			A+	A	A
Energy efficiency class in heating (1)			A	A	A
Energy consumption in "thermostat off" mode	PTO	W	14	14	14
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5	0,5	0,5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	0,5	0,8	1
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0,4	0,5	0,8
Cooling power with Silent Mode function		kW	1,4	1,4	2,1
Heating power with Silent Mode function		kW	1,4	1,4	1,9
Supply voltage		V-F-Hz	230-1-50	230-1-50	230-1-50
Supply voltage (min/max)		V	198 / 264	198 / 264	198 / 264
Power consumption in cooling mode (min/max)		kW	0,3 / 1,0	0,3 / 1,1	0,4 / 1,6
Absorption in cooling mode (min/max)		A	2,5 / 7,0	2,5 / 7,2	1,9 / 7,6
Absorbed power in heating mode (min/max)		kW	0,3 / 1,0	0,3 / 1,0	0,3 / 1,1
Absorption in heating mode (min/max)		A	2,1 / 5,7	2,1 / 5,9	1,5 / 5,4
Maximum power consumption with electric resistance heating		kW	-	-	-
Maximum absorption with electric resistance heating		A	-	-	-
Dehumidification capacity		l/h	0,7	0,7	0,7
Air flow rate in cooling environment (max/med/min)		m³/h	195/270/380	195/270/380	210/270/410
Air flow rate in heating environment (max/med/min)		m³/h	195/270/380	195/270/380	210/270/410
Air flow rate with electric resistance heating environment		m³/h	-	-	-
External air flow rate in cooling (max/min)		m³/h	350/650	350/650	350/650
External air flow rate in heating (max/min)		m³/h	350/650	350/650	350/650
Internal ventilation speed			3	3	3
External ventilation speed			6	6	6
Diameter wall holes**		mm	162/202	162/202	162/202
Electric resistance heating			-	-	-
Maximum remote control range (distance/angle)		m / °	8 / ±80°	8 / ±80°	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	1015 x 540 x 180	1015 x 540 x 180	1015 x 540 x 180
Dimensions (WxHxD) (with packaging)		mm	1100 x 605 x 290	1100 x 605 x 290	1100 x 605 x 290
Weight (without packaging)		kg	41	41	41
Weight (with packaging)		kg	43	43	43
Internal sound pressure (min/max) (2)		dB(A)	26-40	26-40	26-42
Silent Mode sound pressure level		dB(A)	30	30	30
Degree of protection provided by covers			IP20	IP20	IP20
Refrigerant gas*		Type	R290	R290	R32
Refrigerant gas charge		kg	0,145	0,145	0,28
Global warming potential	GWP		3	3	675
Maximum operating pressure		MPa	3,1	3,1	4,2
Power cable (N° pole x section mmq)			3 x 1,5	3 x 1,5	3 x 1,5

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -15°C

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: Temperature: outdoor environment DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C

(2) Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

*Hermetically sealed equipment containing gas with GWP equivalent to 3 (R290) and 675 (R32).

** Machine supplied with 202 mm wall opening grilles. If necessary, to replace an old Unico, the machine can also be installed with holes of 162 mm in diameter.

Energy efficiency classes refer to a range between A+++ and D.

UNICO EVO [EVANX]

Italian design by:



Heat pump air conditioner without outdoor unit



MODULATING ELECTRIC HEATING ELEMENT

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



SILENT MODE

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



SYNC POWER SYSTEM

The new Twin Rotary compressor and the latest generation electronics are synchronised to obtain the best acoustic comfort, in all operating conditions.



CONDENSATE DRAIN

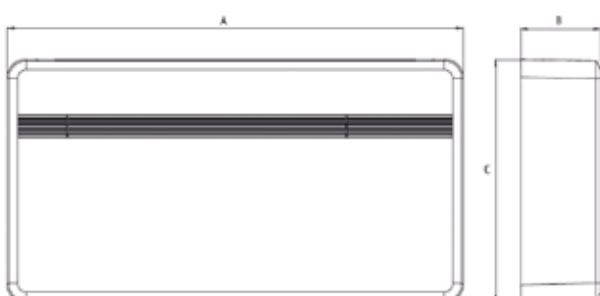
Mandatory, if heating is used.
See the installation manual for details.



FEATURES

- Power max: 3,1 kW
- Available in the HP version (heat pump). In the absence of the condensation drain, during installation the machine can be configured in the version "ONLY COOLING", deactivating the heating function. If necessary, it is also possible to configure the machine in "ONLY HEATING" disabling the cooling function.
- Cooling class: up to A (on a range between A+++ and D)
- Natural refrigerant gas: R32 (GWP=675)
- Internal layout of the machine optimised for easy maintenance.
- Large flap for homogeneous diffusion of air in the environment
- Equipped with multi-filtration system, consisting of an electrostatic filter (with anti-dust function) and activated carbon filter (effective against bad smells).
- Backlit display with touch controls on the machine.
- On /off contact for enabling or energy boost.
- There is an RS485 port designed to control the air conditioner with external BMS in Modbus RTU language.
- 100% recyclable packaging, 98% plastic free.

DIMENSIONS AND WEIGHT



FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Economy function:** allows energy savings, automatically optimising machine performance
- **Auto function:** modulates the operating parameters in relation to the room temperature.
- **Silent Mode function:** mode that sets the machine to the lowest noise level. The compressor and fans are set to bring the sound pressure to just 30 dB(A).
- **24h timer**

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

TECHNICAL DATA

			Unico Evo 30 HP EVANX
PRODUCT CODE			02576
EAN CODE			8021183025767
Cooling power (min/max)		kW	1,5 / 3,1
Heating power (min/max)		kW	1,2 / 2,7
Nominal cooling capacity (1)	Prated	kW	 2.6
Nominal heating capacity (1)	Prated	kW	 2.4
Nominal power consumption for cooling (1)	PEER	kW	1
Nominal absorption for cooling (1)		A	4.1
Nominal power consumption for heating (1)	PCOP	kW	0.8
Nominal absorption for heating (1)		A	3.4
Nominal energy efficiency index (1)	EERd		2.6
Nominal efficiency coefficient (1)	COPd		3.1
Energy efficiency class in cooling (1)			A
Energy efficiency class in heating (1)			A
Energy consumption in "thermostat off" mode	PTO	W	14
Energy consumption in "standby" mode (EN 62301)	PSB	W	0.5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	1
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0.8
Cooling power with Silent Mode function		kW	2.2
Heating power with Silent Mode function		kW	2.1
Supply voltage		V-F-Hz	230-1-50
Supply voltage (min/max)		V	198 / 264
Power consumption in cooling mode (min/max)		kW	0.4 / 1.6
Absorption in cooling mode (min/max)		A	1.9 / 7.6
Absorbed power in heating mode (min/max)		kW	0.3 / 1.1
Absorption in heating mode (min/max)		A	1.5 / 5.4
Maximum power consumption with electric resistance heating (min/med/max)		kW	1.5/1.75/2.0
Absorption with electric resistance heating (min/med/max)		A	7.2 / 7.7 / 8.4
Dehumidification capacity		l/h	0.7
Air flow rate in cooling environment (max/med/min)		m³/h	210/270/410
Air flow rate in heating environment (max/med/min)		m³/h	210/270/410
Air flow rate with electric resistance heating environment (min/med/max)		m³/h	210/270/410
External air flow rate in cooling (max/min)		m³/h	350/650
External air flow rate in heating (max/min)		m³/h	350/650
Internal ventilation speed			3
External ventilation speed			6
Diameter wall holes**		mm	162/202
Electric resistance heating (min/med/max)		kW	1.5/1.75/2.0
Maximum remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	1015 x 540 x 180
Dimensions (WxHxD) (with packaging)		mm	1100 x 605 x 290
Weight (without packaging)		kg	41
Weight (with packaging)		kg	43
Internal sound pressure (min/max) (2)		dB(A)	 26-42
Silent Mode sound pressure level		dB(A)	30
Degree of protection provided by covers			IP20
Refrigerant gas*		Type	R32
Global warming potential	GWP		675
Refrigerant gas charge		kg	0.28
Maximum operating pressure		MPa	4.2
Power cable (N° pole x section mmq)			3 x 1,5

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -15°C

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor ambient DB 20°C / WB 15°C - COOLING MODE: Temperature: outdoor environment DB 35°C / WB 24°C; indoor ambient DB 27°C / WB 19°C

(2) Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 675.

** Machine supplied with 202 mm wall opening grilles. If necessary, to replace an old Unico, the machine can also be installed with holes of 162 mm in diameter.

Energy efficiency classes refer to a range between A+++ and D.

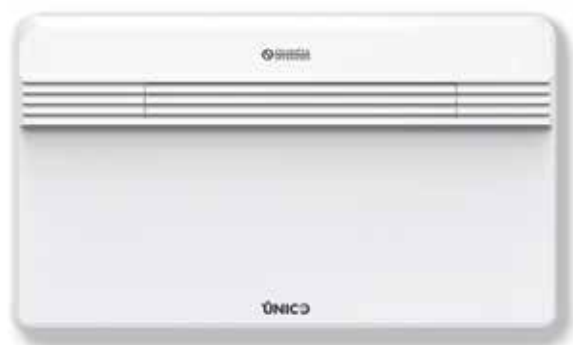
UNICO PRO [EVAN]

Heat pump air conditioner without outdoor unit

2019 PLATINUM WINNER
EUROPEAN
PRODUCT
DESIGN
AWARD

GOOD
DESIGN

matteo thun
MATTEO THUN & ANTONIO RODRIGUEZ



PRO POWER

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



HIGH PERFORMANCE

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



AWARD WINNING DESIGN

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

CONDENSATE DRAIN

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



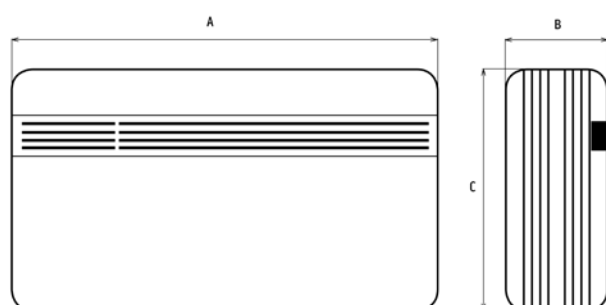
FEATURES

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

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Economy function:** allows energy savings, automatically optimising machine performance
- **Auto function:** modulates the operating parameters in relation to the room temperature.
- **Silent Mode function:** mode that sets the machine to the lowest noise level. The compressor and fans are set to reduce the sound pressure down to only 34 dB(A).
- **24 H timer**

DIMENSIONS AND WEIGHT



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

TECHNICAL DATA

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

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -15°C

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor environment DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor environment DB 27°C / WB 19°C

(2): Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 675.

** Machine supplied with 202 mm wall opening grilles. If necessary, to replace an old Unico, the machine can also be installed with holes of 162 mm in diameter.

Energy efficiency classes refer to a range between A+++ and D.

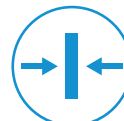
UNICO VERTICAL [EVAN]

Heat pump air conditioner without outdoor unit



SPACE SAVING

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



PRO POWER

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



AVAILABLE IN RECESSED VERSION

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



CONDENSATE DRAIN

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



FEATURES

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

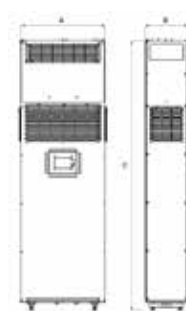
FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Economy function:** allows energy savings, automatically optimising machine performance
- **Auto function:** modulates the operating parameters in relation to the room temperature.
- **Silent Mode function:** mode that sets the machine to the lowest noise level. The compressor and fans are set to reduce the sound pressure down to 38 dB(A).
- **24 H timer**

DIMENSIONS AND WEIGHT



35		
A	mm	523
B	mm	255
C	mm	1590



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

TECHNICAL DATA

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

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -15°C

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor environment DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor environment DB 27°C / WB 19°C

(2): Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 675.

Energy efficiency classes refer to a range between A+++ and D.

UNICO VERTICAL [EVANX]

Heat pump air conditioner without outdoor unit



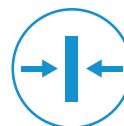
2kW ELECTRIC HEATING ELEMENT

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



SPACE SAVING

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



PRO POWER

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



CONDENSATE DRAIN

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



FEATURES

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

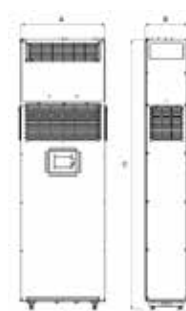
FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Economy function:** allows energy savings, automatically optimising machine performance
- **Auto function:** modulates the operating parameters in relation to the room temperature.
- **Silent Mode function:** mode that sets the machine to the lowest noise level. The compressor and fans are set to reduce the sound pressure down to 38 dB(A).
- **24 H timer**

DIMENSIONS AND WEIGHT



35		
A	mm	523
B	mm	255
C	mm	1590



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

TECHNICAL DATA

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

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -15°C

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor environment DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor environment DB 27°C / WB 19°C

(2): Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 675.

Energy efficiency classes refer to a range between A+++ and D.

Vertical and multifunctional

A Unico generator for building climate comfort

Unico Vertical offers a comprehensive solution for indoor climate control in a fully electric, energy-efficient design with a low architectural impact. Like all heat pump air conditioners without outdoor unit, Unico Vertical allows complete management from within the building simply by drilling two 20 cm diameter holes on an external wall and installing a compact unit, thanks to its vertical design.

With Unico Vertical, it is possible to cool, heat (also with a supplementary electric heating element for the colder months) and effectively handle the air in each room, making it the ideal solution for new constructions and renovations in residential, commercial and tourism settings.



HOTELS and B&Bs



NURSING HOMES



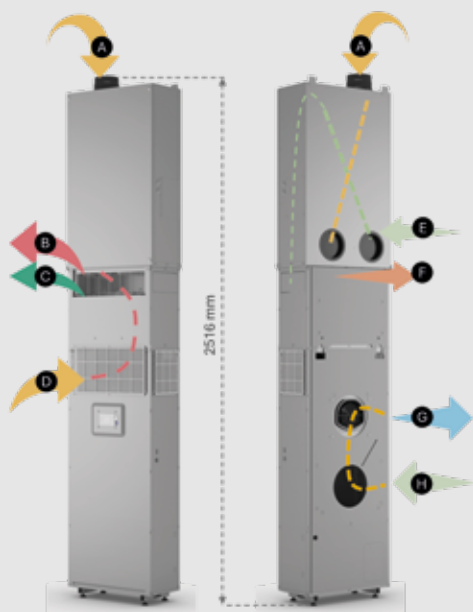
STUDENT HOUSING



SHOPS & CAFÉS



STUDIO APARTMENT



Heat recovery ventilation unit can be integrated

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

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

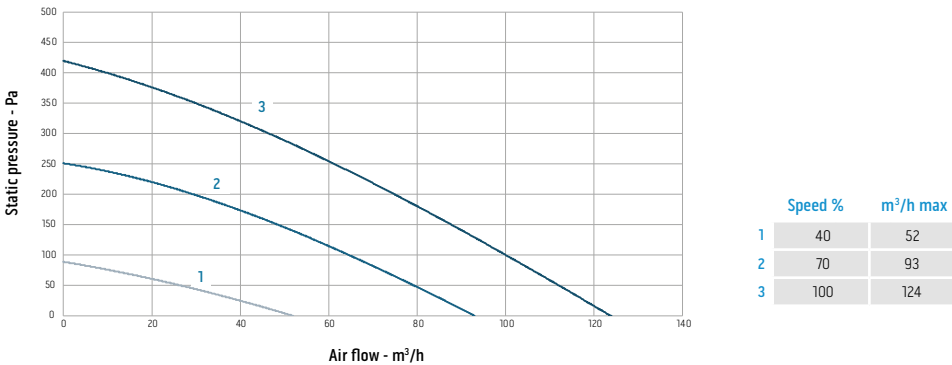
Maximum flow rate @100 Pa	m ³ /h	103
Electrical power consumption (at the maximum flow rate)	W	58
SEC class (local demand control)		A
SEC class (central demand control)		NA
SEC class (manual control - No demand control ventilation)		B
Thermal efficiency	%	77
Reference flow rate	m ³ /h	72

Reference pressure difference	Pa	0
Specific power consumption (SPI)	W/m ³ /h	0.389
Sound power level (LWA)	dB(A)	56
Electrical power supply		220-240V~ / 1ph/50-60Hz
IP protection rating		X2
Sound pressure @2m(1)	dB(A)	29
Max room temperature	°C	40

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

Performances relating to the extraction of the B1031 kit only

B1031-KIT VMC UNICO VERTICAL



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

Free standing



List of useful codes

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

Custom recessed



List of useful codes

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

Recessed with metal panel



List of useful codes

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

UNICO EASY [S2]

Heat pump air conditioner without outdoor unit



SUPPORTING LEGS

Equipped with two supporting legs for a more stable positioning.



TOUCHSCREEN DISPLAY

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



HEAT PUMP

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



CONDENSATE DRAIN

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



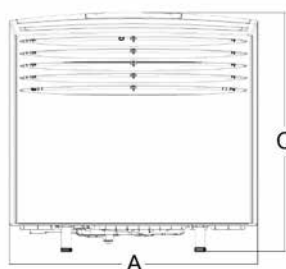
FEATURES

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

FUNCTIONS

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

DIMENSIONS AND WEIGHT



UNICO EASY		
A	mm	693
B	mm	276
C	mm	665
Weight	kg	34,4

TECHNICAL DATA

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

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 32°C – WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -5°C

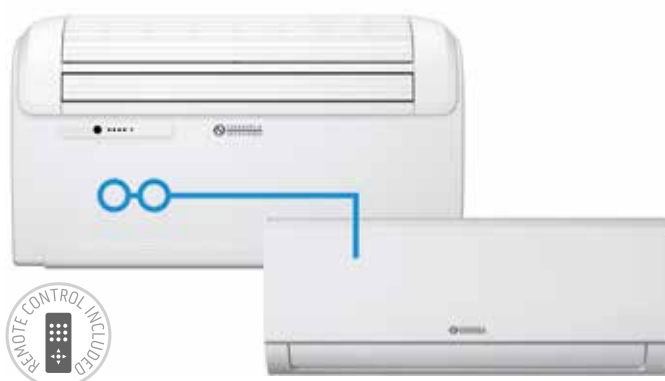
(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor environment DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor environment DB 27°C / WB 19°C

* Hermetically sealed equipment containing fluorinated gas with GWP equivalent 675.

Energy efficiency classes refer to a range between A+++ and D.

UNICO TWIN [RFA]

Heat pump air conditioner without outdoor unit



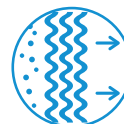
TWIN TECHNOLOGY

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



PURE SYSTEM

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



HEAT PUMP

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



CONDENSATE DRAIN

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



SYSTEM features

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

FUNCTIONS

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

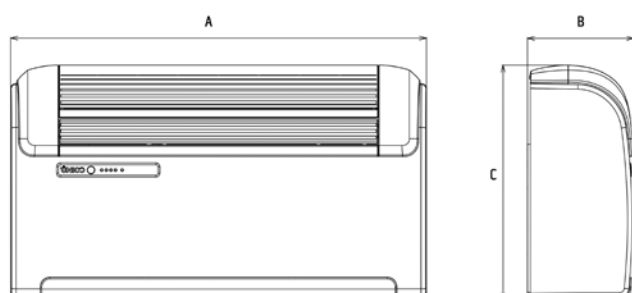
MASTER features

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

WALL features

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

DIMENSIONS AND WEIGHT



UNICO TWIN MASTER		
A	mm	902
B	mm	229
C	mm	516
Weight	kg	40,5

TECHNICAL DATA

			Unico Twin Master 30 HP RFA
PRODUCT CODE			02138
EAN CODE			8021183021387
Nominal cooling capacity (1)	Prated	kW	2,6
Nominal heating capacity (1)	Prated	kW	2,5
Nominal power consumption for cooling (1)	PEER	kW	0,9
Nominal absorption for cooling (1)		A	4,3
Nominal power consumption for heating (1)	PCOP	kW	0,8
Nominal absorption for heating (1)		A	3,5
Nominal energy efficiency index (1)	EERd		2,7
Nominal efficiency coefficient (1)	COPd		3,1
Energy efficiency class in cooling (1)			A
Energy efficiency class in heating (1)			A
Energy consumption in "thermostat off" mode	PTO	W	14,0
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5
Energy consumption for double pipe appliances (1) cooling function	QDD	kWh/h	0,9
Energy consumption for double pipe appliances (1) heating function	QDD	kWh/h	0,8
Supply voltage	V-F-Hz		230-1-50
Supply voltage (min/max)	V		198 / 264
Maximum power consumption in cooling mode		W	1200
Maximum absorption in cooling mode		A	5,4
Maximum power consumption in heating mode		W	1080
Maximum absorption in heating mode		A	4,8
Dehumidification capacity		l/h	1,1
Air flow rate in cooling environment (max/med/min)		m³/h	490 / 430 / 360
Air flow rate in heating environment (max/med/min)		m³/h	450 / 400 / 330
Air flow rate in cooling environment (max/med/min)		m³/h	500 / 370 / 340
External air flow rate in heating (max/med/min)		m³/h	500 / 370 / 340
Internal ventilation speed			3
External ventilation speed			3
Diameter wall holes**		mm	162/202
Dimensions (WxHxD) (without packaging)		mm	902 x 516 x 229
Dimensions (WxHxD) (with packaging)		mm	980 x 610 x 350
Weight (without packaging)		kg	40,5
Weight (with packaging)		kg	44,0
Internal sound pressure (min/max) (2)		dB(A)	33-42
Degree of protection provided by covers			IP 20
Refrigerant gas*	Type		R410A
Global warming potential	GWP		2088
Refrigerant gas charge	kg		0,78
Power cable (N° pole x section mmq)			3 x 1,5

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 35°C - WB 24°C
	Minimum temperature in cooling	DB 18°C
	Maximum temperature in heating	DB 27°C
	Minimum temperature in heating	-
Outdoor ambient temperature	Maximum temperature in cooling	DB 43°C - WB 32°C
	Minimum temperature in cooling	-
	Maximum temperature in heating	DB 24°C - WB 18°C
	Minimum temperature in heating	DB -10°C

Performance and optimal operation are guaranteed with units operating alternately.

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

Performance is measured with 5 m gas pipes.

(1) Test conditions: the data refer to the EN14511 standard - HEATING MODE: Temperature: outdoor environment DB 7°C / WB 6°C; indoor environment DB 20°C / WB 15°C - COOLING MODE: outdoor ambient temperature DB 35°C / WB 24°C; indoor environment DB 27°C / WB 19°C

(2) Declaration of test data in a semi-anechoic chamber at a distance of 2m, minimum pressure in ventilation only.

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

** Machine supplied with 202 mm wall opening grilles. If necessary, to replace an old Unico, the machine can also be installed with holes of 162 mm in diameter.

Energy efficiency classes refer to a range between A+++ and D.

TECHNICAL DATA

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

Ease of installation

MASTER UNIT

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

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

WALL UNIT

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

Accessories

Controls

B1029

Wireless thermostat

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

Compatible with:

Unico Evo-F [PVA]
Unico Evo [PVAN/EVAN]

Unico Evo [EVANX]
Unico Pro [EVAN]

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



B1030

IAQ wireless thermostat

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

Compatible with:

Unico Evo-F [PVA]
Unico Evo [PVAN/EVAN]

Unico Evo [EVANX]
Unico Pro [EVAN]

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



B1128

Wireless relay

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

Compatible with:

Unico Evo-F [PVA]
Unico Evo [PVAN/EVAN]

Unico Evo [EVANX]
Unico Pro [EVAN]

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



HRV

B1031

HRV kit for Unico Vertical-NK integration

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



Compatible with:

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

B0998

Kit for 160mm grille for CMV installation

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



Compatible with:

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

Built-in

B1032

Kit for recessed wall installation Unico Vertical-NK

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



Compatible with:

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

B1033

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

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



Compatible with:

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

Other

B0984 Kit for preparing holes with a diameter of 200 mm

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

Compatible with:

Unico Evo-F [PVA]
Unico Evo [PVAN/EVAN]
Unico Evo [EVANX]

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

Unico Twin [RFA]



B0564 Grille kit diameter 160 mm

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

Compatible with:

Unico Evo-F [PVA]
Unico Evo [PVAN/EVAN]
Unico Evo [EVANX]

Unico Pro [EVAN]
Unico Easy [S2]
Unico Twin [RFA]



B0620 Heating cable

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

Compatible with:

Unico Evo [PVAN/EVAN]
Unico Evo [EVANX]

Unico Pro [EVAN]
Unico Twin [RFA]



B0753 200 mm rain cover kit

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

Compatible with:

Unico Evo-F [PVA]
Unico Evo [PVAN/EVAN]
Unico Evo [EVANX]

Unico Pro [EVAN]
Unico Easy [S2]
Unico Twin [RFA]



Wi-Fi Control

Control via smartphone and tablet for Unico air conditioners

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

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

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



OS Home

App available for models with integrated Wi-Fi.



OS Smart System

App available for models controlled via B1029 and B1030 thermostats.







NEXYA

Mono and multisplit air-to-air
heat pumps



A complete range to create different systems

Ideal for both residential and commercial applications, Olimpia Splendid split air-to-air heat pumps simplify even the most complex projects

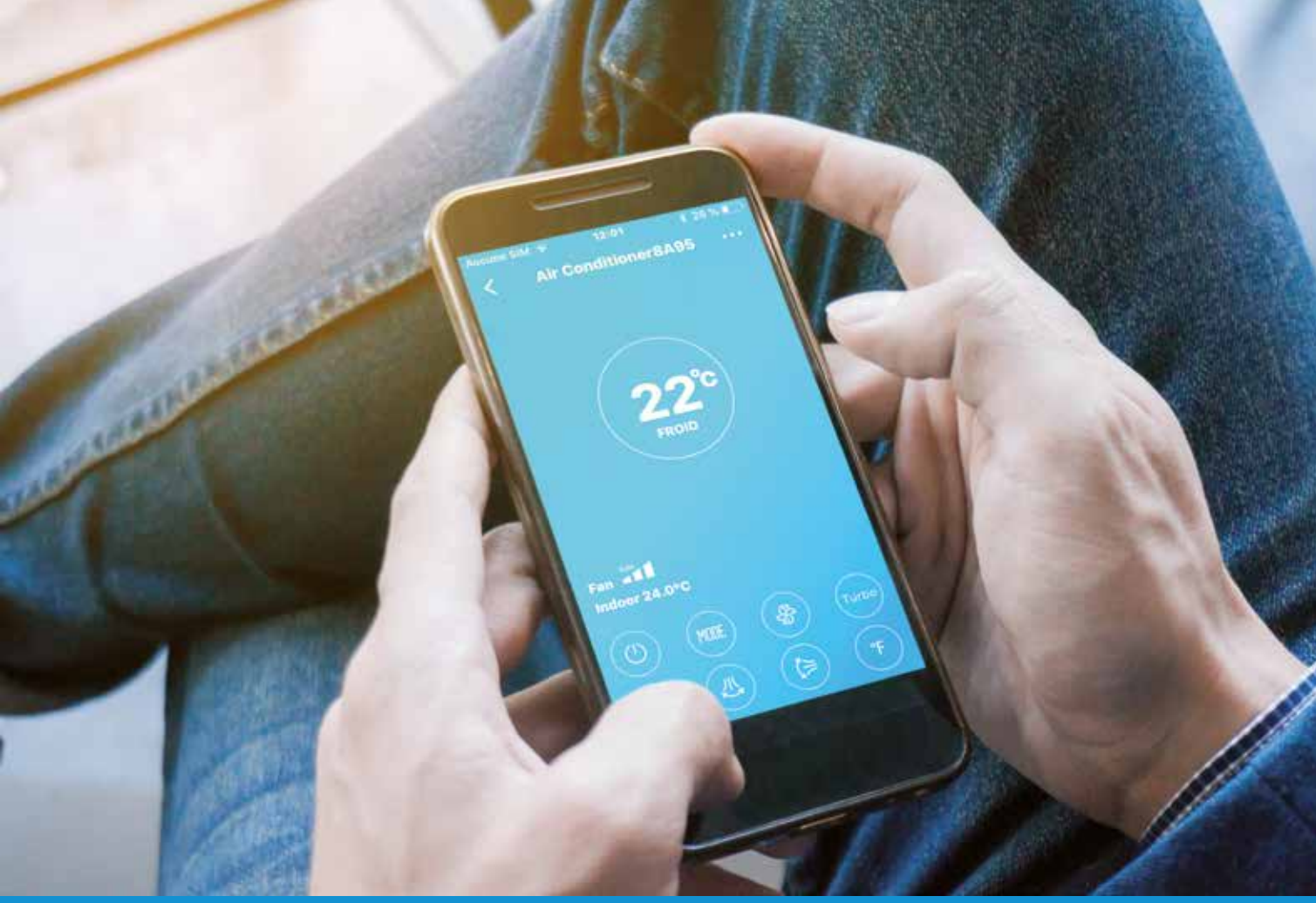
Up to 5 indoor units on the wall, ceiling or ducted

The Nexya range is designed to meet different intended uses (domestic or professional) and installation needs, with mono and Multi-Split solutions that include both internal wall units and cassette, duct or ceiling units. Available in dual, triad, quadruple and quintuple versions, they allow you to air condition up to 5 rooms with a single external motor.

Not just climate comfort: domestic hot water too

With Nexya Multi All-in-One, electrifying all domestic consumption is even easier, thanks to a system - simple but complete - that allows both the provision of climate comfort in every season of the year and the production of DHW. Ideal for energy efficiency projects of existing buildings as well as for new buildings, the system stands out for its modularity (up to 3 internal units, in addition to the DHW boiler) and ease of installation.





Wi-Fi control

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 S5 cassette internal units, sizes 24, 36, 36T and 48T, and for all the S6 cassette internal units (9, 12, 18, 24, 36, 36T e 48T).

- 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 duct S5 (sizes 9, 12, 18, 24, 36, 36T, 48T), ceiling (sizes 9, 12, 18, 24, 36, 36T, 48T) and cassette (sizes 9, 12, 18) indoor units.



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.



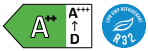
App features

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

Monosplit air-to-air heat pumps

		SINGLE-PHASE ODU		
		9	12	
NEXYA ENERGY High wall installation		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)
				
NEXYA S4 High wall installation		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)
				
NEXYA COMMERCIAL DUCT Ducted installation		Outdoor units		
		Indoor Units		
		Outdoor units		
		Indoor Units		
				
NEXYA COMMERCIAL CASSETTE Built-in installation		Outdoor units		
		Indoor Units		
		Outdoor units		
		Indoor Units		
				
NEXYA COMMERCIAL CEILING Ceiling or wall installation		Outdoor units		
		Indoor Units		
		Outdoor units		
		Indoor Units		
				

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

THREE-PHASE ODU

18	24	36	36T	48T

UE Nexya S4 E inverter 18 C (OS-KENEH18EI)	UE Nexya S4 E inverter 24 C (OS-KENEH24EI)			
UI Nexya S4 E Inverter 18 (OS-SENEH18EI)	UI Nexya S4 E inverter 24 (OS-SENEH24EI)			

UE Nexya S5 E Commercial 18 (OS-CANCH18EI)	UE Nexya S5 E Commercial 24 (OS-CANCH24EI)	UE Nexya S5 E Commercial 36 (OS-CANCH36EI)	UE Nexya S5 E Commercial 36T (OS-CANCHT36EI)	
UI Nexya S5 E Duct 18 (OS-SANDH18EI)	UI Nexya S5 E Duct 24 (OS-SANDH24EI)	UI Nexya S5 E Duct 36 (OS-SANDH36EI)		

UE Nexya S5 E Commercial 18 (OS-CANCH18EI)	UE Nexya S6 E Commercial 24 (OS-CECAH24EI)	 UE Nexya S5 E Commercial 36 (OS-CANCH36EI)	UE Nexya S5 E Commercial 36T (OS-CANCHT36EI)	UE Nexya S6 E Commercial 48T (OS-CECATH48EI)	
UI Nexya S6 E Duct 18 (OS-SEDAH18EI)	 UI Nexya S6 E Duct 24 (OS-SEDAH24EI)	 UI Nexya S6 E Duct 36 (OS-SEDAH36EI)		UI Nexya S6 E Duct 48 (OS-SEDAH48EI)	

UE Nexya S5 E Commercial 18 (OS-CANCH18EI)	UE Nexya S5 E Commercial 24 (OS-CANCH24EI)			
UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI)	UI Nexya S5 E Cassette 24 (OS-K/SANCH24EI)			

UE Nexya S5 E Commercial 18 (OS-CANCH18EI)	UE Nexya S6 E Commercial 24 (OS-CECAH24EI)	 UE Nexya S5 E Commercial 36 (OS-CANCH36EI)	UE Nexya S5 E Commercial 36T (OS-CANCHT36EI)	UE Nexya S6 E Commercial 48T (OS-CECATH48EI)	
UI Nexya S6 E Cassette Compact 18 (OS-K/SENAH18EI)	 UI Nexya S5 E Cassette 24 (OS-K/SANCH24EI)	UI Nexya S5 E Cassette 36 (OS-K/SANCH36EI)		UI Nexya S5 E Cassette 48 (OS-K/SANCH48EI)	

	UE Nexya S5 E Commercial 24 (OS-CANCH24EI)			
	UI Nexya S5 E Ceiling 24 (OS-SANFH24EI)			

UE Nexya S5 E Commercial 18 (OS-CANCH18EI)	UE Nexya S6 E Commercial 24 (OS-CECAH24EI)	 UE Nexya S5 E Commercial 36 (OS-CANCH36EI)	UE Nexya S5 E Commercial 36T (OS-CANCHT36EI)	UE Nexya S6 E Commercial 48T (OS-CECATH48EI)	
UI Nexya S5 E Ceiling 18 (OS-SANFH18EI)	UI Nexya S5 E Ceiling 24 (OS-SANFH24EI)	UI Nexya S5 E Ceiling 36 (OS-SANFH36EI)		UI Nexya S5 E Ceiling 48 (OS-SANFH48EI)	

Multisplit air-to-air heat pumps

Multisplit

NEXYA MULTI WALL

High wall
installation



Outdoor units

UE Nexya S5 E Dual inverter 14
(OS-CANMH14EI)

UE Nexya S5 E Dual inverter 18
(OS-CANMH18EI)

Indoor 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 Nexya S4 E inverter 18
(OS-SENEH18EI)

UI Nexya S4 E inverter 18
(OS-SENEH18EI)

NEXYA MULTI WALL ALL-IN-ONE

For climate comfort
and DHW



Outdoor units

Indoor Units

NEXYA MULTI DUCT

Ducted installation



Outdoor units

UE Nexya S5 E Dual inverter 14
(OS-CANMH14EI)

UE Nexya S5 E Dual inverter 18
(OS-CANMH18EI)

Indoor Units

UI Nexya S5 E Duct 9
(OS-SANDH09EI)

UI Nexya S5 E Duct 9
(OS-SANDH09EI)

UI Nexya S5 E Duct 18
(OS-SANDH18EI)

UI Nexya S5 E Duct 18
(OS-SANDH18EI)

Outdoor units

UE Nexya S5 E Dual inverter 14
(OS-CANMH14EI)

UE Nexya S5 E Dual inverter 18
(OS-CANMH18EI)

Indoor Units

UI Nexya S6 E Duct 9
(OS-SEDAH09EI)

UI Nexya S6 E Duct 9
(OS-SEDAH09EI)

UI Nexya S6 E Duct 12
(OS-SEDAH12EI)

UI Nexya S6 E Duct 12
(OS-SEDAH12EI)

UI Nexya S6 E Duct 18
(OS-SEDAH18EI)

UI Nexya S6 E Duct 18
(OS-SEDAH18EI)

NEXYA MULTI CASSETTE

Built-in installation



Outdoor units

UE Nexya S5 E Dual inverter 14
(OS-CANMH14EI)

UE Nexya S5 E Dual inverter 18
(OS-CANMH18EI)

Indoor Units

UI Nexya S5 E Cassette Compact 9
(OS-K/SANCH09EI)

UI Nexya S5 E Cassette Compact 9
(OS-K/SANCH09EI)

UI Nexya S5 E Cassette Compact 12
(OS-K/SANCH12EI)

UI Nexya S5 E Cassette Compact 12
(OS-K/SANCH12EI)

UI Nexya S5 E Cassette Compact 18
(OS-K/SANCH18EI)

UI Nexya S5 E Cassette Compact 18
(OS-K/SANCH18EI)

Outdoor units

UE Nexya S5 E Dual inverter 14
(OS-CANMH14EI)

UE Nexya S5 E Dual inverter 18
(OS-CANMH18EI)

Indoor Units

UI Nexya S6 E Cassette Compact 9
(OS-K/SENAH09EI)

UI Nexya S6 E Cassette Compact 9
(OS-K/SENAH09EI)

UI Nexya S6 E Cassette Compact 12
(OS-K/SENAH12EI)

UI Nexya S6 E Cassette Compact 12
(OS-K/SENAH12EI)

UI Nexya S6 E Cassette Compact 18
(OS-K/SENAH18EI)

UI Nexya S6 E Cassette Compact 18
(OS-K/SENAH18EI)

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

Trial 21	Quadri 27	Quadri 28	Penta 42
UE Nexya S5 E Trial inverter 21 (OS-CANMH21EI)		UE Nexya S4 E Quadri inverter 28 (OS-CEMYH28EI)	UE Nexya S5E Penta inverter 42 (OS-CANMH42EI)
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 Nexya S4 E inverter 18 (OS-SENEH18EI)		UI Nexya S4 E inverter 18 (OS-SENEH18EI)	UI Nexya S4 E inverter 18 (OS-SENEH18EI)
	UE Nexya WHR S5 E Quadri inverter 27 (OS-CEMAH27EI) NEW		
	UI Nexya S4 E inverter 9 (OS-SENEH09EI)		
	UI Nexya S4 E inverter 12 (OS-SENEH12EI)		
	UI Nexya S4 E inverter 18 (OS-SENEH18EI)		
	UI Nexya DHW S5 E 190 (02589) NEW		
UE Nexya S5 E Trial inverter 21 (OS-CANMH21EI)		UE Nexya S4 E Quadri inverter 28 (OS-CEMYH28EI)	UE Nexya S5E Penta inverter 42 (OS-CANMH42EI)
UI Nexya S5 E Duct 9 (OS-SANDH09EI)		UI Nexya S5 E Duct 9 (OS-SANDH09EI)	UI Nexya S5 E Duct 9 (OS-SANDH09EI)
UI Nexya S5 E Duct 18 (OS-SANDH18EI)		UI Nexya S5 E Duct 18 (OS-SANDH18EI)	UI Nexya S5 E Duct 18 (OS-SANDH18EI)
UE Nexya S5 E Trial inverter 21 (OS-CANMH21EI)		UE Nexya S4 E Quadri inverter 28 (OS-CEMYH28EI)	UE Nexya S5E Penta inverter 42 (OS-CANMH42EI)
UI Nexya S6 E Duct 9 (OS-SEDAH09EI) NEW 04/25		UI Nexya S6 E Duct 9 (OS-SEDAH09EI) NEW 04/25	UI Nexya S6 E Duct 9 (OS-SEDAH09EI) NEW 04/25
UI Nexya S6 E Duct 12 (OS-SEDAH12EI) NEW 04/25		UI Nexya S6 E Duct 12 (OS-SEDAH12EI) NEW 04/25	UI Nexya S6 E Duct 12 (OS-SEDAH12EI) NEW 04/25
UI Nexya S6 E Duct 18 (OS-SEDAH18EI) NEW 04/25		UI Nexya S6 E Duct 18 (OS-SEDAH18EI) NEW 04/25	UI Nexya S6 E Duct 18 (OS-SEDAH18EI) NEW 04/25
UE Nexya S5 E Trial inverter 21 (OS-CANMH21EI)		UE Nexya S4 E Quadri inverter 28 (OS-CEMYH28EI)	UE Nexya S5E Penta inverter 42 (OS-CANMH42EI)
UI Nexya S5 E Cassette Compact 9 (OS-K/SANCH09EI)		UI Nexya S5 E Cassette Compact 9 (OS-K/SANCH09EI)	UI Nexya S5 E Cassette Compact 9 (OS-K/SANCH09EI)
UI Nexya S5 E Cassette Compact 12 (OS-K/SANCH12EI)		UI Nexya S5 E Cassette Compact 12 (OS-K/SANCH12EI)	UI Nexya S5 E Cassette Compact 12 (OS-K/SANCH12EI)
UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI)		UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI)	UI Nexya S5 E Cassette Compact 18 (OS-K/SANCH18EI)
UE Nexya S5 E Trial inverter 21 (OS-CANMH21EI)		UE Nexya S4 E Quadri inverter 28 (OS-CEMYH28EI)	UE Nexya S5E Penta inverter 42 (OS-CANMH42EI)
UI Nexya S6 E Cassette Compact 9 (OS-K/SENAH09EI) NEW 06/25		UI Nexya S6 E Cassette Compact 9 (OS-K/SENAH09EI) NEW 06/25	UI Nexya S6 E Cassette Compact 9 (OS-K/SENAH09EI) NEW 06/25
UI Nexya S6 E Cassette Compact 12 (OS-K/SENAH12EI) NEW 06/25		UI Nexya S6 E Cassette Compact 12 (OS-K/SENAH12EI) NEW 06/25	UI Nexya S6 E Cassette Compact 12 (OS-K/SENAH12EI) NEW 06/25
UI Nexya S6 E Cassette Compact 18 (OS-K/SENAH18EI) NEW 04/25		UI Nexya S6 E Cassette Compact 18 (OS-K/SENAH18EI) NEW 04/25	UI Nexya S6 E Cassette Compact 18 (OS-K/SENAH18EI) NEW 04/25

NEXYA ENERGY E

High-wall mono-split inverter in class A+++

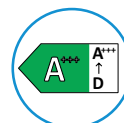


FEATURES

- High-performance inverter technology
- Coolant gas R32
- Energy efficiency class A+++ in cooling (on a range between A+++ and D)
- 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.

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

Neutralises polluting agents and keeps the air in the room clean and healthy



AIR QUALITY TECH

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



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)
- **Gearfunction:** 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	107	157
	Annual energy consumption in heating mode - Average season	kWh/year	744	797
	Annual energy consumption in heating mode - Warmer season	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	54	55
	Sound pressure (max/med/min/silence)		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
OUTDOOR UNIT	Weight (with packaging)	kg	11,5	11,3
	Sound power (EN 12102)	LWA	58	61
	Sound pressure		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
COOLING CIRCUIT	Weight (with packaging)	kg	29,1	29,1
	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	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
	Outdoor 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.

Energy efficiency classes refer to a range between A+++ and D.

NEXYA S4E

High-wall mono-split inverter in class A++



FEATURES

- High-performance inverter technology
- Coolant gas R32
- Energy efficiency class A++ in cooling (on a range between A+++ and D)
- 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.

HIGH EFFICIENCY

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

AIR QUALITY TECH

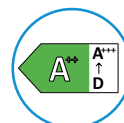
The treated air is purified with anti-dust filters, activated carbon and cold catalytic filters to remove impurities.

SELF CLEAN

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

FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.



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 C	Nexya S4 E Inverter 24 C
PRODUCT CODE				OS-K/SENEH09EI	OS-K/SENEH12EI	OS-K/SENEH18EI	OS-K/SENEH24EI
EAN CODE				8021183117462	8021183117479	8021183118803	8021183118810
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	2,08/5,86/7,91
Output power in heating mode (min/rated/max)			kW	0,82/2,93/3,37	1,09/3,68/4,22	3,14/9,75/8,5	1,61/6,07/9,1
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	0,42/1,78/3,15
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	0,3/1,608/2,75
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	1,8/7,77/13,8
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	1,3/6,99/12,2
EER				3,60	3,28	3,4	3,28
COP				4,00	3,72	3,83	3,73
Maximum power consumption in cooling mode			kW	2,15	2,15	2,50	3,50
Maximum power consumption in heating mode			kW	2,15	2,15	2,50	3,50
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	156	211	247	405
Annual energy consumption in heating mode - Average season			kWh/year	910	945	1435	1818
Annual energy consumption in heating mode - Warmer season			kWh/year	714	706	1208	1691
Annual energy consumption in heating mode - Cold season			kWh/year	-	-	-	-
Dehumidification capacity			l/h	1	1,2	1,6	2,4
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	2,8	3,6	5,2	7
	Heating / Average	Pdesignh	kW	2,6	2,7	4,1	4,8
	Heating / Warmer	Pdesignh	kW	2,6	2,5	4,4	5,8
	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
	Heating / Warmer	SCOP (W)		5,1	5,1	5,1	4,8
	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/-	45/40/36/-
	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	1120x405x315
OUTDOOR UNIT	Weight (with packaging)		kg	9,7	9,8	13,0	15,8
	Sound power (EN 12102)	LWA	dB(A)	62	63	63	67
	Sound pressure		dB(A)	55,5	56	56	59
	Air flow rate (max)		m³/h	1750	1800	2100	3500
	Degree of protection			IP24	IP24	IPX4	IPX4
	Dimensions (WxHxD) (without packaging)		mm	720x495x270	720x495x270	805x554x330	890x673x342
	Weight (without packaging)		kg	23,2	23,2	32,7	42,9
	Dimensions (WxHxD) (with packaging)		mm	835x540x300	835x540x300	915x615x370	995x740x398
COOLING CIRCUIT	Weight (with packaging)		kg	25,0	25,0	35,4	45,9
	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
ELECTRICAL CONNECTIONS	Maximum operating pressure		MPa	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Refrigerant gas*	Type		R32	R32	R32	R32
	Global warming potential	GWP		675	675	675	675
	Refrigerant gas charge		kg	0,55	0,55	1,08	1,42
	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
	Outdoor 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	15,5

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 -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.

Energy efficiency classes refer to a range between A+++ and D.

NEXYA COMMERCIAL DUCT [OS4/S5+IS5]

Inverter mono-split air conditioners ducted for large rooms



HYDRAULIC HEAD

Centralised 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

The system adapts automatically according to the ducts connected to the unit.



DIGITAL DISPLAY

Display on the outside of the internal unit to guarantee the best signal reception from the remote control (*Except for size 48T, which comes with the B0969 wall-mounted wire 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.

Condensation lift pump

The internal units are fitted with a condensation 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 than 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.
- *Functions not compatible for size 48T

				Nexya E Duct 18 [OS5+IS5]	Nexya E Duct 24 [OS5+IS5]	Nexya E Duct 36 [OS5+IS5]	Nexya E Duct 36T [OS5+IS5]
INDOOR UNIT CODE				OS-SANDH18E1	OS-SANDH24E1	OS-SANDH36E1	OS-SANDH36E1
INDOOR UNIT EAN CODE				8021183119152	8021183119169	8021183119176	8021183119176
OUTDOOR UNIT CODE				OS-CANCH18E1	OS-CANCH24E1	OS-CANCH36E1	OS-CANCH36E1
OUTDOOR UNIT EAN CODE				8021183119053	8021183119060	8021183119077	8021183119084
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
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
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
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
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
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
EER				3,45	3,23	3,27	3,28
COP				3,71	4,01	3,71	3,91
Maximum power consumption in cooling mode		kW		2,95	3,7	5	5
Maximum power consumption in heating mode		kW		2,95	3,7	5	5
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	291	401	593	608
Annual energy consumption in heating mode - Average season		kWh/year	kWh/year	1505	1890	2940	3080
Annual energy consumption in heating mode - Warmer season		kWh/year	kWh/year	1434	1647	2690	2745
Annual energy consumption in heating mode - Cold season		kWh/year	kWh/year	/	/	/	/
Dehumidification capacity		l/h		1,87	2,34	3,54	4,19
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	5,4	7,1	10,5	10,6
	Heating / Average	Pdesignh	kW	4,3	5,4	8,4	8,8
	Heating / Warmer	Pdesignh	kW	5,2	6	9,8	10
	Heating / Colder	Pdesignh	kW	/	/	/	/
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,5	6,2	6,2	6,1
	Heating / Average	SCOP (A)		4	4	4	4
	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)	58	61	61	61
	Sound pressure (max/med/min/silence)		dB(A)	41/38/34/26	42/40/37/27	49/48/46/42	49/48/46/42
	Air flow rate in cooling mode (max/med/min)		m³/h	911-706-515	1229-1035-825	2100-1800-1500	2100-1800-1500
	Air flow rate in heating mode (max/med/min)		m³/h	911-706-515	1229-1035-825	2100-1800-1500	2100-1800-1500
	Rated fan pressure		Pa	25	25	37	37
	Fan pressure adjustment field		Pa	0-100	0-160	0-160	0-160
	Degree of protection			/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	880x210x674	1100x249x774	1360x249x774	1360x249x774
	Weight (without packaging)		kg	24,4	32,3	40,5	40,5
	Dimensions (WxHxD) (with packaging)		mm	1070x280x725	1305x315x805	1570x330x805	1570x330x805
OUTDOOR UNIT	Weight (with packaging)		kg	29,6	39,1	48,2	48,2
	Sound power (EN 12102)	LWA	dB(A)	65	67	70	70
	Sound pressure		dB(A)	56	60	63	63
	Air flow rate (max)		m³/h	2100	3500	4000	4000
	Degree of protection			/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	805x554x330	890x673x342	946x810x410	946x810x410
	Weight (without packaging)		kg	32,5	43,9	66,9	80,5
	Dimensions (WxHxD) (with packaging)		mm	915x615x370	995x740x398	1090x885x500	1090x885x500
	Weight (with packaging)		kg	35,2	46,9	71,5	85
	Connecting liquid pipeline diameter	inch - mm		1/4" - 6,35	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52
COOLING CIRCUIT	Connecting gas pipeline diameter	inch - mm		1/2" - 12,7	5/8" - 15,9	5/8" - 15,9	5/8" - 15,9
	Maximum piping length	m		30	50	75	75
	Maximum height difference	m		20	25	30	30
	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	24	24	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		1,15	1,5	2,4	2,4
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
	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
	Outdoor 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		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
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. Dehumidification values refer to DB 27°C WB 19°C conditions.

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 outdoor 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 (outdoor unit).

*Non-hermetically sealed equipment containing fluorinated gases with GWP equivalent of 675.

Energy efficiency classes refer to a range between A+++ and D.

NEXYA COMMERCIAL DUCT [OS5/S6+IS6]

Inverter mono-split air conditioners ducted for large rooms



HYDRAULIC HEAD

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



SLIM DESIGN

The range is characterised by its small dimensions and easier installation.



AUTOMATIC SETTING OF THE AIR FLOW RATE

The system adapts automatically according to the ducts connected to the unit.



DIGITAL DISPLAY

Display on the outside of the internal unit to guarantee the 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 the same environmental conditions, the new coating of the condensers ensures a longevity up to over 7 times greater than traditional models.

All sizes of external units are single-fan.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Auto, Sleep, Eco, Silent and Turbo functions**
- **24 h Timer:** to program the switching on and off.
- **Anti-dust filter:** to capture dust and pollen.
- **Follow Me function:** precise detection of the temperature at the point where the remote control is located.
- **Gear Function:** 3 power options (50-75-100%) to optimise energy consumption.
- **Self-Clean function:** automatically cleans and dries the evaporator, eliminating dust, mould and grease to ensure clean air in the room.
- **Auto-Restart function:** after a blackout, it restarts at the last function set.

				NEW	NEW	NEW	NEW	NEW
				Nexya E Duct 18 [OS5+IS6]	Nexya E Duct 24 [OS6+IS6]	Nexya E Duct 36 [OS5+IS6]	Nexya E Duct 36T [OS5+IS6]	Nexya E Duct 48T [OS6+IS6]
INDOOR UNIT CODE				OS-SEDAH18E1	OS-SEDAH24E1	OS-SEDAH36E1	OS-SEDAH36E1	OS-SEDAH48E1
INDOOR UNIT EAN CODE				8021183122268	8021183122275	8021183122282	8021183122282	8021183122299
OUTDOOR UNIT CODE				OS-CANCH18E1	OS-CECAH24E1	OS-CANCH36E1	OS-CANCH36E1	OS-CECATH48E1
OUTDOOR UNIT EAN CODE				8021183119053	8021183122220	8021183119077	8021183119084	8021183122237
Output power in cooling mode (min/rated/max)			kW	1,32/5,28/6,16	3,23/7,09/7,92	2,75/9,86/11,73	2,73/9,23/11,73	3,52/14,07/15,83
Output power in heating mode (min/rated/max)			kW	1,50/6,01/6,31	2,79/8/8,56	2,78/10,3/12,61	2,78/10,1/12,84	4,11/15,24/17,59
Absorbed power in cooling mode (min/rated/max)			kW	0,36/1,59/2,13	0,75/2,19/2,86	0,9/3,01/4,3	0,89/2,83/4,2	0,81/4,5/6,45
Absorbed power in heating mode (min/rated/max)			kW	0,5/1,62/1,85	0,64/2/2,5	0,8/2,75/3,95	0,78/2,7/4	0,95/4,1/5,8
Current consumption in cooling mode (min/rated/max)			A	1,6/7,1/9,4	4,2/9,7/12,6	4,2/13,6/19	1,4/4,4/6,7	1,8/7/10,5
Current consumption in heating mode (min/rated/max)			A	2,2/7,2/8,1	3,8/9/11	3,5/12,2/17,5	1,3/4,3/6,4	2/7,1/9
EER				3,32	3,24	3,27	3,26	3,13
COP				3,72	3,99	3,73	3,75	3,72
Maximum power consumption in cooling mode			kW	2,95	3,7	5,0	5,0	7,3
Maximum power consumption in heating mode			kW	2,95	3,7	5,0	5,0	7,3
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	285	377	583	608	1377
Annual energy consumption in heating mode - Average season		kWh/year	kWh/year	1468	1867	2868	3080	4025
Annual energy consumption in heating mode - Warmer season		kWh/year	kWh/year	1427	1685	2745	2745	3075
Annual energy consumption in heating mode - Cold season		kWh/year	kWh/year	/	/	/	/	/
Dehumidification capacity			l/h	2,3	2,4	3,6	4,2	6,2
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	5,3	7,1	10,5	10,6	14,0
	Heating / Average	Pdesignh	kW	4,3	5,6	8,4	8,8	11,5
	Heating / Warmer	Pdesignh	kW	5,2	6,5	10	10	11,2
	Heating / Colder	Pdesignh	kW	/	/	/	/	/
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,5	6,6	6,3	6,1	6,1
	Heating / Average	SCOP (A)		4,1	4,2	4,1	4,0	4,0
	Heating / Warmer	SCOP (W)		5,1	5,4	5,1	5,1	5,1
	Heating / Colder	SCOP (C)		/	/	/	/	/
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	53	56	62	62	65
	Sound pressure (max/med/min/silence)		dB(A)	37/34/31/25	34/33/31/28	38/36/33/29	39/37/34/29	44/42/40/36
	Air flow rate in cooling mode (max/med/min)		m³/h	900/780/650	1200/1000/700	1700/1400/1100	1700/1400/1100	2000/1700/1300
	Air flow rate in heating mode (max/med/min)		m³/h	900/780/650	1200/1000/700	1700/1400/1100	1700/1400/1100	2000/1700/1300
	Rated fan pressure		Pa	25	25	37	37	50
	Fan pressure adjustment field		Pa	0-160	0-160	0-160	0-160	0-160
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	700x245x750	1000x245x750	1200x245x750	1200x245x750	1200x245x750
	Weight (without packaging)		kg	24,4	31,8	38,4	38,4	40,4
	Dimensions (WxHxD) (with packaging)		mm	925x298x850	1225x304x860	1425x304x860	1425x304x860	1425x304x860
	Weight (with packaging)		kg	29,0	37,2	44,4	44,4	46,8
	Sound power (EN 12102)	LWA	dB(A)	62	69	70	70	73
OUTDOOR UNIT	Sound pressure		dB(A)	59	60	65	65	65
	Air flow rate (max)		m³/h	2100	3500	4000	4000	5600
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	805x554x330	890x673x342	946x810x410	946x810x410	980x975x415
	Weight (without packaging)		kg	32,5	41,9	66,9	75,5	90,0
	Dimensions (WxHxD) (with packaging)		mm	915x615x370	995x740x398	1090x885x500	1090x885x500	1145x1080x500
	Weight (with packaging)		kg	35,2	45,2	71,5	80	105,0
	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
COOLING CIRCUIT	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
ELECTRICAL CONNECTIONS	Global warming potential	GWP		675	675	675	675	675
	Refrigerant gas charge		kg	1,15	1,4	2,4	2,4	2,9
	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
	Outdoor unit power supply connection	Pipes		3 x 2,5 mm2	3 x 2,5 mm2	3 x 4 mm2	5 x 2,5 mm2	5 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	14
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. Dehumidification values refer to DB 27°C WB 19°C conditions.

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 outdoor 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 (outdoor unit).

*Non-hermetically sealed equipment containing fluorinated gases with GWP equivalent of 675.

Energy efficiency classes refer to a range between A+++ and D.

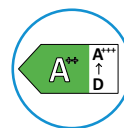
NEXYA COMMERCIAL CASSETTE [OS5+IS5]

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 650x650, 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 647x647 mm) and cassettes (with width and length dimensions of more than 600x600 mm and slimline height from 205 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.

Condensation lift pump

The internal units are fitted with a condensation 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.
- **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 E Cassette Compact 18 [OS5+IS5]	Nexya E Cassette 24 [OS5+IS5]	
INDOOR UNIT CODE				OS-K/SANCH18EI	OS-K/SANCH24EI	BMS
INDOOR UNIT EAN CODE				8021183119336	8021183119343	
OUTDOOR UNIT CODE				OS-CANCH18EI	OS-CANCH24EI	
OUTDOOR UNIT EAN CODE				8021183119053	8021183119060	
Output power in cooling mode (min/rated/max)			kW	2,9/5,28/5,59	3,3/6,155/7,91	HEAT PUMPS
Output power in heating mode (min/rated/max)			kW	2,37/5,18/6,10	2,81/7,62/8,94	
Absorbed power in cooling mode (min/rated/max)			kW	0,72/1,633/2,088	0,78/1,876/2,748	
Absorbed power in heating mode (min/rated/max)			kW	0,7/1,38/1,93	0,61/1,9/2,7	
Current consumption in cooling mode (min/rated/max)			A	3,2/7,2/9,2	4,2/10,2/12	
Current consumption in heating mode (min/rated/max)			A	3,1/6,8/8,5	3,6/8,5/12,1	
EER				3,23	3,28	
COP				3,75	4,01	
Maximum power consumption in cooling mode			kW	2,95	3,7	
Maximum power consumption in heating mode			kW	2,95	3,7	
Energy efficiency class in cooling				A++	A++	FAN COIL UNITS
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	294	395	
Annual energy consumption in heating mode - Average season		kWh/year	kWh/year	1470	2100	
Annual energy consumption in heating mode - Warmer season		kWh/year	kWh/year	1575	1729	
Annual energy consumption in heating mode - Cold season			kWh/year	/	/	
Dehumidification capacity			l/h	2,29	2,37	
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	5,3	7	
	Heating / Average	Pdesignh	kW	4,2	6	
	Heating / Warmer	Pdesignh	kW	5,4	6,3	
	Heating / Colder	Pdesignh	kW	/	/	
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,3	6,2	UNICO
	Heating / Average	SCOP (A)		4	4	
	Heating / Warmer	SCOP (W)		4,8	5,1	
	Heating / Colder	SCOP (C)		/	/	
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	 57	 57	MONO AND MULTISPLIT
	Sound pressure (max/med/min/silence)		dB(A)	43/39/35/-	45/42/39/-	
	Air flow rate in cooling mode (max/med/min)		m³/h	720-620-500	1300-1140-1000	
	Air flow rate in heating mode (max/med/min)		m³/h	720-620-500	1300-1140-1000	
	Degree of protection			/	/	
	Dimensions (WxHxD) (without packaging)		mm	570x260x570	830x205x830	
	Weight (without packaging)		kg	16	21,6	
	Dimensions (WxHxD) (with packaging)		mm	662x317x662	910x250x910	
OUTDOOR UNIT	Weight (with packaging)		kg	20,6	25,4	PORTABLES
	Sound power (EN 12102)	LWA	dB(A)	 63	 67	
	Sound pressure		dB(A)	59	60	
	Air flow rate (max)		m³/h	2100	3500	
	Degree of protection			/	/	
	Dimensions (WxHxD) (without packaging)		mm	805x554x330	890x673x342	
	Weight (without packaging)		kg	32,5	43,9	
	Dimensions (WxHxD) (with packaging)		mm	915x615x370	995x740x398	
DECORATIVE PANEL	Weight (with packaging)		kg	35,2	46,9	PORTABLES
	Dimensions (WxHxD) (without packaging)		mm	647x50x647	950x55x950	
	Weight (without packaging)		kg	2,5	6,0	
	Dimensions (WxHxD) (with packaging)		mm	715x123x715	1035x90x1035	
COOLING CIRCUIT	Weight (with packaging)		kg	4,5	9,0	PORTABLES
	Connecting liquid pipeline diameter		inch - mm	1/4" - 6,35	3/8" - 9,52	
	Connecting gas pipeline diameter		inch - mm	1/2" - 12,7	5/8" - 15,9	
	Maximum piping length		m	30	50	
	Maximum height difference		m	20	25	
	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	24	
ELECTRICAL CONNECTIONS	Maximum operating pressure		MPa	4,3-1,7	4,3-1,7	PORTABLES
	Refrigerant gas*	Type	Type	R32	R32	
	Global warming potential	GWP		675	675	
	Refrigerant gas charge		kg	1,15	1,5	
	Supply voltage indoor unit		V/F/Hz	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	
	Outdoor unit power supply connection	Pipes		3 x 2,5 mm2	3 x 2,5 mm2	
	Indoor - Outdoor unit connection	Pipes		4 x 1 mm2	4 x 1,5 mm2	
Max Current			A	13,5	19	PORTABLES
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. Dehumidification values refer to DB 27°C WB 19°C conditions.

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 outdoor 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 (outdoor unit).

*Non-hermetically sealed equipment containing fluorinated gases with GWP equivalent of 675.

Energy efficiency classes refer to a range between A+++ and D.

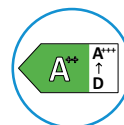
NEXYA COMMERCIAL CASSETTE [OS5/S6+IS5/S6]

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.



INDEPENDENT BLADE CONTROL

Independent flap control for greater climate comfort.



FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.



FEATURES

Two models

Compact cassette (with even more compact width and length dimensions of just 620x620 mm) and cassette (with width and length dimensions of 950x950 mm).

Fresh air inlet

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

Condensate lifting pump

The internal units are equipped with a condensate liquid lifting pump.

Remote ON-OFF

All the units of the commercial line are equipped with terminals for controlling the remote switching on and off of the unit via an external device.

Alarm Contact

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

Hydrophilic Aluminium coating

Suitable for installations in coastal areas or in particularly humid areas, thanks to its excellent anti-corrosion performance. With the same environmental conditions, the new coating of the condensers ensures a longevity up to over 7 times greater than traditional models.

All sizes of external units are single-fan.

FUNCTIONS

- **Cooling, heating, dehumidification and ventilation**
- **Auto, Eco, Sleep, Silent and Turbo functions**
- **24 h Timer:** to program the switching on and off.
- **Follow Me function:** precise detection of the temperature at the point where the remote control is located.
- **Swing function:** independent automatic flap oscillation.
- **Gear function:** 3 power options (50-75-100%) to optimise energy consumption.
- **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 environment.
- **Auto-Restart function:** after a blackout, it restarts at the last function set.

				NEW	NEW	NEW		
				Nexya E Cassette Compact 18 [OS5+IS6]	Nexya E Cassette 24 [OS6+IS5]	Nexya E Cassette 36 [OS5+IS5]	Nexya E Cassette 36T [OS5+IS5]	Nexya E Cassette 48T [OS6+IS5]
INDOOR UNIT CODE				OS-K/SENAH18E1	OS-K/SANCH24E1	OS-K/SANCH36E1	OS-K/SANCH36E1	OS-K/SANCH48E1
INDOOR UNIT EAN CODE				8021183122343	8021183119343	8021183119350	8021183119350	8021183119367
OUTDOOR UNIT CODE				OS-CANCH18E1	OS-CECAH24E1	OS-CANCH36E1	OS-CANCHT36E1	OS-CECATH48E1
OUTDOOR UNIT EAN CODE				8021183119053	8021183122220	8021183119077	8021183119084	8021183122237
Output power in cooling mode (min/rated/max)			kW	2,9/5,28/5,59	3,29/6,15/7,91	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	2,37/5,33/6,1	2,79/7,62/8,5	2,78/11,14/12,3	2,78/11,14/12,66	4,1/16,12/17,29
Absorbed power in cooling mode (min/rated/max)			kW	0,72/1,55/2,04	0,78/1,88/2,75	0,9/2,98/4,2	0,89/3,044/4,15	0,81/4,98/6,35
Absorbed power in heating mode (min/rated/max)			kW	0,7/1,42/1,95	0,61/1,9/2,3	0,8/3/3,95	0,78/3/4	0,91/4,58/5,9
Current consumption in cooling mode (min/rated/max)			A	3,2/6,9/9	4,2/8,3/12	4,2/17,5/18,5	1,4/6,5/6,5	1,8/8/10,3
Current consumption in heating mode (min/rated/max)			A	3,1/6/8,6	3,6/8,5/10,1	3,5/13,5/17,5	1,3/5/6,4	1,9/7,5/9,6
EER				3,4	3,28	3,33	3,29	2,82
COP				3,76	4,01	3,71	3,71	3,52
Maximum power consumption in cooling mode			kW	2,95	3,7	5	5	7,3
Maximum power consumption in heating mode			kW	2,95	3,7	5	5	7,3
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	285	394	549	589	1373
Annual energy consumption in heating mode - Average season		kWh/year	kWh/year	1431	2117	2975	2870	3920
Annual energy consumption in heating mode - Warmer season		kWh/year	kWh/year	1455	1633	2773	2773	3047
Annual energy consumption in heating mode - Cold season		kWh/year	kWh/year	/	/	/	/	/
Dehumidification capacity			l/h	2,3	2,4	3,35	3,66	5,35
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	5,3	7,1	10,5	10,5	14,0
	Heating / Average	Pdesignh	kW	4,2	6,2	8,5	8,2	11,2
	Heating / Warmer	Pdesignh	kW	5,3	6,3	10,1	10,1	11,1
	Heating / Colder	Pdesignh	kW	/	/	/	/	/
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,5	6,3	6,7	6,4	6,1
	Heating / Average	SCOP (A)		4,1	4,1	4	4	4,0
	Heating / Warmer	SCOP (W)		5,1	5,4	5,1	5,1	5,1
	Heating / Colder	SCOP (C)		/	/	/	/	/
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	59	59	63	63	66
	Sound pressure (max/med/min/silence)		dB(A)	44/41/32/25	45/43/37/28	50/47/44/40	51/49/46/39	52/49/47/39
	Air flow rate in cooling mode (max/med/min)		m³/h	660/540/300	1247/1118/992	1700-1550-1380	1800-1600-1400	1900/1750/1600
	Air flow rate in heating mode (max/med/min)		m³/h	660/540/300	1247/1118/992	1700-1550-1380	1700-1530-1300	1900/1750/1600
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	570x245x570	830x205x830	830x245x830	830x245x830	830x287x830
	Weight (without packaging)		kg	16,2	21,6	27,2	27,2	29,3
	Dimensions (WxHxD) (with packaging)		mm	715x295x640	910x250x910	910x290x910	910x290x910	910x330x910
	Weight (with packaging)		kg	19	25,4	31,2	31,2	33,5
	Sound power (EN 12102)	LWA	dB(A)	65	68	70	70	73
OUTDOOR UNIT	Sound pressure		dB(A)	58	60	63	63	64
	Air flow rate (max)		m³/h	2100	3500	4000	4000	5600
	Degree of protection			/	/	/	/	/
	Dimensions (WxHxD) (without packaging)		mm	805x554x330	890x673x342	946x810x410	946x810x410	980x975x415
	Weight (without packaging)		kg	32,5	41,9	66,9	75,5	90,0
	Dimensions (WxHxD) (with packaging)		mm	915x615x370	995x740x398	1090x885x500	1090x885x500	1145x1080x500
	Weight (with packaging)		kg	35,2	45,2	71,5	80,0	105,0
	Dimensions (WxHxD) (without packaging)		mm	620x50x620	950x55x950	950x55x950	950x55x950	950x55x950
DECORATIVE PANEL	Weight (without packaging)		kg	2,7	6	6,0	6,0	6,0
	Dimensions (WxHxD) (with packaging)		mm	715x115x700	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Weight (with packaging)		kg	4,3	9	9,0	9,0	9,0
	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
COOLING CIRCUIT	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	1,4	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
	Outdoor 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	5 x 2,5 mm2
	Indoor - Outdoor unit connection	Pipes		4 x 1 mm2	4 x 1 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	14
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. Dehumidification values refer to DB 27°C WB 19°C conditions.

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 outdoor 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 (outdoor unit).

*Non-hermetically sealed equipment containing fluorinated gases with GWP equivalent of 675.

Energy efficiency classes refer to a range between A+++ and D.

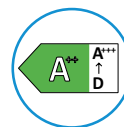
NEXYA COMMERCIAL CEILING [OS5+IS5]

Inverter mono-split air conditioners for large rooms



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 E Ceiling 24 [OS5+IS5]	
INDOOR UNIT CODE				OS-SANFH24EI	BMS
INDOOR UNIT EAN CODE				8021183119206	
OUTDOOR UNIT CODE				OS-CANCH24EI	
OUTDOOR UNIT EAN CODE				8021183119060	
Output power in cooling mode (min/rated/max)			kW	3,22/6,804/7,77	HEAT PUMPS
Output power in heating mode (min/rated/max)			kW	2,72/7,62/8,29	
Absorbed power in cooling mode (min/rated/max)			kW	0,747/2,062/2,93	
Absorbed power in heating mode (min/rated/max)			kW	0,65/2,05/2,85	
Current consumption in cooling mode (min/rated/max)			A	3,9/10,54/13,1	
Current consumption in heating mode (min/rated/max)			A	3,5/9,5/12,7	
EER				3,3	
COP				3,72	
Maximum power consumption in cooling mode			kW	3,7	
Maximum power consumption in heating mode			kW	3,7	
Energy efficiency class in cooling				A++	FAN COIL UNITS
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				/	
Energy consumption in cooling mode		kWh/year	kWh/year	413	
Annual energy consumption in heating mode - Average season		kWh/year	kWh/year	1925	
Annual energy consumption in heating mode - Warmer season		kWh/year	kWh/year	1592	
Annual energy consumption in heating mode - Cold season			kWh/year	/	
Dehumidification capacity			l/h	2,72	
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	7,2	HRV
	Heating / Average	Pdesignh	kW	5,5	
	Heating / Warmer	Pdesignh	kW	5,8	
	Heating / Colder	Pdesignh	kW	/	
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,1	
	Heating / Average	SCOP (A)		4	
	Heating / Warmer	SCOP (W)		5,1	
	Heating / Colder	SCOP (C)		/	
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	55	UNICO
	Sound pressure (max/med/min/silence)		dB(A)	49/46/43/-	
	Air flow rate in cooling mode (max/med/min)		m³/h	1192-1023-853	
	Air flow rate in heating mode (max/med/min)		m³/h	1192-1023-853	
	Degree of protection			/	
	Dimensions (WxHxD) (without packaging)		mm	1068x235x675	
	Weight (without packaging)		kg	28,0	
	Dimensions (WxHxD) (with packaging)		mm	1145x318x755	
	Weight (with packaging)		kg	33,1	
	Sound power (EN 12102)	LWA	dB(A)	66	
OUTDOOR UNIT	Sound pressure		dB(A)	60	PORTABLES
	Air flow rate (max)		m³/h	3500	
	Degree of protection			/	
	Dimensions (WxHxD) (without packaging)		mm	890x673x342	
	Weight (without packaging)		kg	43,9	
	Dimensions (WxHxD) (with packaging)		mm	995x740x398	
	Weight (with packaging)		kg	46,9	
	Connecting liquid pipeline diameter		inch - mm	3/8" - 9,52	
	Connecting gas pipeline diameter		inch - mm	5/8" - 15,9	
	Maximum piping length		m	50	
COOLING CIRCUIT	Maximum height difference		m	25	DEHUMIDIFIERS
	Covered piping length from pre-load		m	5	
	Piping recommended minimum length		m	3	
	Refrigerant increase (over 5 m of pipes)		g/m	24	
	Maximum operating pressure		MPa	4,3-1,7	
	Refrigerant gas*	Type	Type	R32	
	Global warming potential	GWP		675	
	Refrigerant gas charge		kg	1,5	
	Supply voltage indoor unit		V/F/Hz	One Phase 220-240 / 1 / 50	
	Supply voltage outdoor unit		V/F/Hz	One Phase 220-240 / 1 / 50	
ELECTRICAL CONNECTIONS	Outdoor unit power supply connection	Pipes		3 x 2,5 mm²	MONO AND MULTISPLIT
	Indoor - Outdoor unit connection	Pipes		4 x 1 mm²	
	Max Current		A	19	
LIMITS OF OPERATING CONDITIONS					PORTABLES
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. Dehumidification values refer to DB 27°C WB 19°C conditions.

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 outdoor 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 (outdoor unit).

*Non-hermetically sealed equipment containing fluorinated gases with GWP equivalent of 675.

Energy efficiency classes refer to a range between A+++ and D.

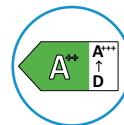
NEXYA COMMERCIAL CEILING [OS5/S6+IS5]

Inverter mono-split air conditioners for large rooms



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 the same environmental conditions, the new coating of the condensers ensures a longevity up to over 7 times greater than traditional models.

All sizes of external units are single-fan.

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.
- **Gearfunction:** 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.

					NEW				NEW
					Nexya E Ceiling 18 [OS5+ISS]	Nexya E Ceiling 24 [OS6+ISS]	Nexya E Ceiling 36 [OS5+ISS]	Nexya E Ceiling 36T [OS5+ISS]	Nexya E Ceiling 48T [OS6+ISS]
INDOOR UNIT CODE					OS-SANFH18E1	OS-SANFH24E1	OS-SANFH36E1	OS-SANFH36E1	OS-SANFH48E1
INDOOR UNIT EAN CODE					8021183119190	8021183119206	8021183119213	8021183119213	8021183119220
OUTDOOR UNIT CODE					OS-CANCH18E1	OS-CECAH24E1	OS-CANCH36E1	OS-CANCH36E1	OS-CECATH48E1
OUTDOOR UNIT EAN CODE					8021183119053	8021183122220	8021183119077	8021183119084	8021183122237
Output power in cooling mode (min/rated/max)				kW	2,7/5,275/5,86	3,22/6,80/7,95	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	2,72/7,62/8,50	2,78/11,723/12,78	2,81/11,714/12,78	4,1/16,12/17,59
Absorbed power in cooling mode (min/rated/max)				kW	0,67/1,45/2,03	0,75/2,06/2,73	0,9/3,058/4,25	0,89/3,103/4,3	0,91/5/6,2
Absorbed power in heating mode (min/rated/max)				kW	0,54/1,5/1,64	0,65/1,98/2,94	0,8/3,16/3,95	0,78/3,085/3,95	0,95/4,8/5,95
Current consumption in cooling mode (min/rated/max)				A	3,2/6/9	3,9/9,1/12,1	4,2/17/19	1,4/6,3/6,8	2,1/7,6/9,6
Current consumption in heating mode (min/rated/max)				A	2,7/6,6/7,3	3,5/8,7/10,6	3,5/15/17,5	1,3/5,4/6,2	2,2/7,4/9,2
EER					3,64	3,3	3,31	3,25	2,81
COP					3,71	3,85	3,71	3,8	3,36
Maximum power consumption in cooling mode				kW	2,95	3,7	5	5	7,3
Maximum power consumption in heating mode				kW	2,95	3,7	5	5	7,3
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	394	574	592	1377
Annual energy consumption in heating mode - Average season			kWh/year	kWh/year	1400	2015	2937	3010	3920
Annual energy consumption in heating mode - Warmer season			kWh/year	kWh/year	1400	1478	2800	2745	3157
Annual energy consumption in heating mode - Cold season				kWh/year	/	/	/	/	/
Dehumidification capacity				l/h	1,78	2,72	3,28	4,19	5,5
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	5,4	7,1	10,5	10,5	14,0	
	Heating / Average	Pdesignh	kW	4	5,9	8,6	8,6	11,2	
	Heating / Warmer	Pdesignh	kW	5,1	5,7	10,2	10	11,5	
	Heating / Colder	Pdesignh	kW	/	/	/	/	/	
	Cooling	SEER		6,2	6,3	6,2	6,2	6,1	
SEASONAL EFFICIENCY (EN14825)	Heating / Average	SCOP (A)		4	4,1	4	4	4,0	
	Heating / Warmer	SCOP (W)		5,1	5,4	5,1	5,1	5,1	
	Heating / Colder	SCOP (C)		/	/	/	/	/	
	Sound power (EN 12102)	LWA	dB(A)	 57	 63	 64	 64	 68	
Sound pressure				dB(A)	43/41/36/-	50/46/37/23	50/48/44/-	50/47/44/-	51/49/43/35
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	48,0	48,0	48,5
Sound power (EN 12102)			LWA	dB(A)	 65	 69	 68	 70	 73
Sound pressure				dB(A)	59	61	63	63	64
Air flow rate (max)				m³/h	2100	3500	4000	4000	5600
Degree of protection					/	/	/	/	/
Dimensions (WxHxD) (without packaging)				mm	805x554x330	890x673x342	946x810x410	946x810x410	980x975x415
Weight (without packaging)				kg	32,5	41,9	66,9	80,5	90,0
Dimensions (WxHxD) (with packaging)				mm	915x615x370	995x740x398	1090x885x500	1090x885x500	1145x1080x500
Weight (with packaging)				kg	35,2	45,2	71,5	85,0	105,0
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	1,4	2,4	2,4	2,9
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
Outdoor 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	5 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	14
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. Dehumidification values refer to DB 27°C WB 19°C conditions.

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 outdoor 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 (outdoor unit).

*Non-hermetically sealed equipment containing fluorinated gases with GWP equivalent of 675.

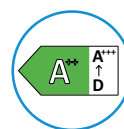
Energy efficiency classes refer to a range between A+++ and D.

NEXYA MULTI WALL [OS4/S5+IS4]



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.



FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.



FEATURES

High energy efficiency inverter technology with low GWP R32 refrigerant.

Available in dual, trial, quadruple and quintuple versions, to air condition up to five rooms using a single external motor.

The system is modular: systems can be designed using internal wall-mounted units by selecting the right size based on the thermal load of the system.

Golden Fin treatment on the external unit battery, to prevent the corrosive action of atmospheric agents and improve performance efficiency.

FUNCTIONS

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

TECHNICAL DATA

TECHNICAL DATA			IDU Nexya S4 E Inverter 9	IDU Nexya S4 E Inverter 12	IDU Nexya S4 E inverter 18	
INDOOR UNIT CODE			OS-SENEH09EI	OS-SENEH12EI	OS-SENEH18EI	
EAN CODE			8021183114928	8021183114935	8021183114942	
Electrical power supply		V/F/Hz	220-240/1/50	220-240/1/50	220-240/1/50	
Cooling		kW (Nom)	2,64	3,52	5,27	
Heating		kW (Nom)	2,93	3,81	4,97	
Indoor unit	Dimensions (WxHxD) (without packaging)		mm	805x285x194	805x285x194	957x302x213
	Weight (without packaging)		kg	7,5	7,5	10,0
	Dimensions (WxHxD) (with packaging)		mm	870x360x270	870x360x270	1035x385x295
	Weight (with packaging)		kg	9,7	9,7	13,0
	Air flow rate (min/rated/max)		m³/h	340-460-520	360-500-600	340-460-520
	Sound pressure (silent/min/med/max)		dB(A)	21-26-30-40	22-26-34-40	21-26-30-40
	Sound power level Max (EN 12102)		dB(A)	54	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
	Diameter of tube in gas connection line		inch - mm	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
	Indoor temperature in heating (Min-Max)		°C B.S.	0/+30	0/+30	0/+30

The declared data relate to the conditions envisaged 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 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 meter and 0,8 meters below the indoor unit.

TECHNICAL DATA			ODU Nexya S5 E Dual Inverter 14	ODU Nexya S5 E Dual Inverter 18	ODU Nexya S5 E Trial Inverter 21	ODU Nexya S4 E Quadri Inverter 28	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
Cooling	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
	Capacity (min / rated / max)	kW	1,76-4,09-4,91	2,12-5,28-6,41	2,48-6,2-7,44	2-8,2-9,9	4,18-12,8-14
	Absorbed power (Nom/Min-Max)	kW	1,07(0,38-1,34)	1,38(0,54-2,05)	1,73(0,62-2,16)	2,54(0,89-3,18)	3,97(1,03-4,57)
	Current consumption (Nom/Min-Max)	A	4,62(1,64-5,77)	5,94(2,32-8,82)	7,45(2,67-9,3)	11,3(3,9-14,1)	17,09(4,43-19,67)
	Theoretical Load (PdesignC)	kW	4,1	5,3	6,2	8,2	12,3
	SEER		6,7	6,9	6,8	6,1	6,3
	Energy efficiency class		A++	A++	A++	A++	A++
	Annual energy consumption	kWh/A	214	266	319	470	711
Heating	Capacity (min / rated / max)	kW	1,91-4,44-5,33	2,23-5,62-6,68	2,20-6,29-7,55	2,3-8,8-10,6	4,18-12,89-14,94
	Absorbed power (Nom/Min-Max)	kW	1,02(0,36-1,28)	1,37(0,51-1,88)	1,43(0,51-1,78)	2,2(0,77-2,75)	3,26(0,9-4,14)
	Current consumption (Nom/Min-Max)	A	4,39(1,55-5,51)	5,90(2,2-8,09)	6,16(2,2-7,66)	9,8(3,4-12,2)	14,03(3,87-17,82)
	Theoretical Load (PdesignH) (average climate - warmer climate)	kW	3,6-4	4,5-5	5,3-5,9	6,5-6,9	9,9-9,3
	Scop (average climate - warmer climate)		3,9-5,9	4,3-5,3	4-5,4	3,8-4,6	3,7-5
	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	1302-962	1467-1333	1889-1525	2395-2100	3772-2588
	Energy efficiency E.E.R./C.O.P.	W/W	3,81/4,34	3,82/4,10	3,58/4,41	3,23/4,00	3,23/3,95
Outdoor unit	Dimensions (WxHxD) (without packaging)	mm	805x554x330	805x554x330	890x673x342	946x810x410	946x810x410
	Weight (without packaging)	kg	31,6	35,0	43,3	62,1	74,1
	Dimensions (WxHxD) (with packaging)	mm	915x615x370	915x615x370	1030x750x438	1090x875x500	1090x885x500
	Weight (with packaging)	kg	34,7	38,0	47,1	67,7	79,5
	Air flow rate	m³/h	2100	2100	3000	3800	3850
	Sound pressure (max)	dB(A)	56	56	58	61	64
	Sound power level (max)	dB(A)	65	65	66	67	69
	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 than indoor units)	m	15	15	15	15	15
Refrigerant fluid	Difference in level (Max) (outdoor unit in lower position than indoor units)	m	15	15	15	15	15
	Difference in level (Max) (elevation difference between indoor units)	m	10	10	10	10	10
	Refrigerant gas *		R32	R32	R32	R32	R32
	GWP		675	675	675	675	675
	Refrigerant gas charge	kg	1,1	1,25	1,5	2,1	2,9
	Maximum operating pressure	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/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
	Max Power absorption	W	2750	3050	3910	4150	4700
	Max Current	A	12	13	17	19	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 one of the combinations 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.olimpiaspplendid.it and to the energy labels of the specific combination (range between A+++ and D).

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 field conditions, 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 field conditions, measuring device positioned at a distance of 1 metre (external unit).

* Non hermetically sealed equipment containing fluorinated GAS with GWP equivalent to 675.

NEXYA MULTI ALL-IN-ONE [OS5+IS4/S5]



FEATURES

Available in the quadruple version to air condition up to three rooms and produce domestic hot water.

The system is modular: systems can be designed using internal wall units by selecting the right size based on the thermal load of the system.

Heat recovery: during the operation of the internal units in cooling mode, the heat normally expelled by the external unit is used to produce domestic hot water in the storage tank.

Easy to install: the tank is connected like an internal unit and the external unit is similar to that of a Multi-Split one.

Effective in all conditions: operation from -15°C to +43°C and hot water up to 55°C (with electric heating element up to 70°C).

Can be interfaced with BMS system

Integrated Wi-Fi with App OS Comfort both for the internal wall-mounted unit (with USB stick included in the packaging) and for the boiler (already integrated), with separate management

Golden Fin anti-corrosion treatment on the external unit battery

STORAGE TANK FEATURES

190-litre enamelled steel tank

Tank with **direct expansion exchanger** and **2 kW integrative electric heating** element

Electric heating element with independent control to always ensure domestic hot water even in the event of a system failure.

Micro-channel heat transfer technology: the contact area between the heat exchanger and the water tank is greater than traditional systems.

Dual temperature sensors: more accurate control of the water temperature, both in the upper and lower part of the tank.

Weekly disinfection cycle

ALL-IN-ONE SYSTEM

The Multi-Split air conditioner that not only cools and heats your home, but also produces domestic hot water.

HEAT RECOVERY

During cooling operation, it is possible to recover energy to produce domestic hot water, thus increasing the efficiency of the system.

HIGH EFFICIENCY

Maximum technological efficiency, to reach up to class A++ in cooling mode (range between A+++ and D) and A+ in DHW production mode (range between A+ and F)

SIMPLE AND FLEXIBLE

Ideal for easily managing the entire air conditioning and ACS system in full-electric mode (alternative to the traditional gas system) in two-room or three-room flats, whether renovated or newly built.



FUNCTIONS

Internal wall units:

Cooling, heating, dehumidification and ventilation
Timer, Auto, Sleep and Turbo functions
Follow Me, Swing, Auto-Restart and Self-Diagnosis functions

Internal storage tank unit:

Vacation, Hybrid, E-Heater, Economy and Smart Mode
Intelligent management of electricity (partial or total heat recovery, photovoltaic and Smart Grid)

Thermal insulation in polyurethane rigid foam (PU) thickness 42 mm

External coating in cyclopentane polyurethane material.

ON-OFF contact to start the boiler from an external switch

Safety valve for combined pressure and temperature as standard (10 bar; 99°C)

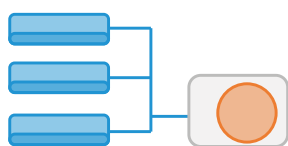
Electronic expansion valve or precise control

Daily and weekly Timer

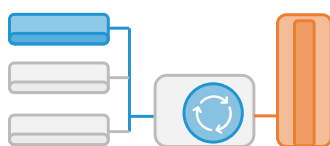
Domestic expansion vessel not included and to be provided by the installer



OPERATING MODES



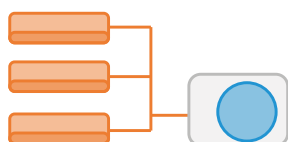
Cooling



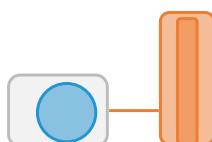
Cooling + DHW (total heat recovery)



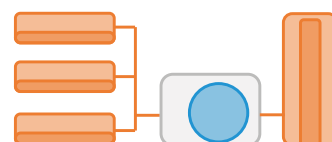
Cooling + DHW (partial heat recovery)



Heating



Domestic hot water



Heating + DHW

Everything you need in a single system

Managing annual climate comfort and domestic hot water production with a single system allows you to simplify your home system, limit space and reduce energy consumption, increasing efficiency.

All-in-One System

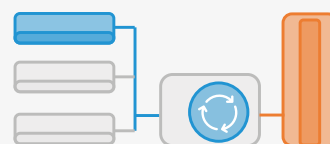


Air-to-air heat pump + heat pump water heater



Increased efficiency, thanks to heat recovery

Compared to traditional air conditioning and DHW production systems (separate management), parallel operation allows — in cooling mode — to recover the heat normally expelled by the external unit for producing DHW in the storage tank. Heat recovery can be total or partial, depending on the thermal power required by the boiler and the number of internal units active in providing climate comfort.



NEW

TECHNICAL DATA			ODU Nexya WHR SS E Quadri Inverter 27
OUTDOOR UNIT CODE			OS-CEMAH27EI
EAN CODE			8021183122213
Cooling	Electrical power supply	V/F/Hz	One Phase 220-240 / 1 / 50
	Capacity (min / rated / max)	kW	2,35-7,83-8,62
	Absorbed power (Nom/Min-Max)	kW	2,29(0,34-2,75)
	Current consumption (Nom/Min-Max)	A	10,7(1,1-12,6)
	Theoretical Load (PdesignC)	kW	7,8
	SEER		6,3
	Energy efficiency class		A++
	Annual energy consumption	kWh/A	435
Heating	Capacity (min / rated / max)	kW	2,45-8,15-8,97
	Absorbed power (Nom/Min-Max)	kW	2,02(0,3-2,43)
	Current consumption (Nom/Min-Max)	A	9,6(1,5-13)
	Theoretical Load (PdesignH) (average climate - warmer climate)	kW	6,3-6,6
	Scop (average climate - warmer climate)		4,0-5,1
	Energy efficiency class (average climate - warmer climate)	medium zone / hot zone	A+/A+++
	Annual energy consumption (average climate - warmer climate)	kWh/A	2199-1814
Outdoor unit	Energy efficiency E.E.R./C.O.P.	W/W	3,42/4,03
	Dimensions (WxHxD) (without packaging)	mm	946x810x410
	Weight (without packaging)	kg	64,3
	Dimensions (WxHxD) (with packaging)	mm	1090x885x500
	Weight (with packaging)	kg	68,6
	Air flow rate	m³/h	4000
	Sound pressure (max)	dB(A)	61
	Sound power level (max)	dB(A)	69
Dimensions and limitations of the cooling circuit	Compressor Type		rotary
	Diameter of tube in liquid connection line	mm	4x6,35
	Diameter of tube in gas connection line	mm	3x9,52+1x12,7
	Covered piping length from pre-load	m	15
	Piping recommended minimum length	m	3
	Piping Equivalent length (max)	m	80
	Piping Equivalent max. length (single branch of piping)	m	35
	Increase of Refrigerant	g/m	20
	Difference in level (Max) (outdoor unit in higher position that indoor units)	m	15
	Difference in level (Max) (outdoor unit in lower position that indoor units)	m	15
Refrigerant fluid	Difference in level (Max) (elevation difference between indoor units)	m	10
	Refrigerant gas *		R32
	GWP		675
	Refrigerant gas charge	kg	1,8
Electrical connections	Maximum operating pressure	MPa	4,3/1,7
	Main power supply	V/F/Hz	One Phase 220-240 / 1 / 50
	Max Power absorption	W	5300
Operational limits	Max Current	A	23,5
	Outdoor temperature in cooling (Min-Max)	°C B.S.	-/+50
	Outdoor temperature in heating (Min-Max)	°C B.U.	-15/+24

The declared data relate to the conditions envisaged in EN 14511, EN 14825 and EU Delegated Regulation 626/2011 for one of the combinations 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 (range between A+++ and D).

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 SS 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.

TECHNICAL DATA

		IDU Nexya S4 E Inverter 9	IDU Nexya S4 E Inverter 12	IDU Nexya S4 E inverter 18
INDOOR UNIT CODE		OS-SENEH09E1	OS-SENEH12E1	OS-SENEH18E1
EAN CODE		8021183114928	8021183114935	8021183114942
Electrical power supply	V/F/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Cooling	kW (Nom)	2,64	3,52	5,27
Heating	kW (Nom)	2,93	3,81	4,97
Indoor unit	Dimensions (WxHxD) (without packaging)	mm	805x285x194	957x302x213
	Weight (without packaging)	kg	7,5	10,0
	Dimensions (WxHxD) (with packaging)	mm	870x360x270	1035x385x295
	Weight (with packaging)	kg	9,7	13,0
	Air flow rate (min/rated/max)	m³/h	340-460-520	360-500-600
	Sound pressure (silent/min/med/max)	dB(A)	21-26-30-40	21-26-30-40
	Sound power level Max (EN 12102)	dB(A)	54	55
Piping dimensions	Diameter of tube in liquid connection line	inch - mm	1/4" - 6,35	1/4" - 6,35
	Diameter of tube in gas connection line	inch - mm	3/8" - 9,52	1/2" - 12,7
Operational limits	Indoor temperature in cooling (Min-Max)	°C B.S.	+17/+32	+17/+32
	Indoor temperature in heating (Min-Max)	°C B.S.	0/+30	0/+30

The declared data relate to the conditions envisaged 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 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 meter and 0,8 meters below the indoor unit.

NEW

TECHNICAL DATA

		IDU Nexya DHW S5 E 190	
INDOOR UNIT CODE		02589	
EAN CODE		8021183025897	
Tank features		Enamelled steel	
Tank protection from corrosion		Magnesium anode	
Electrical power supply		V/F/Hz	One Phase 220-240 / 1 / 50
Nominal tank volume		l	190
DHW (EN 16147:2017)	Domestic hot water temperature setting	Tset °C	52
	Domestic hot water reference temperature	θ _{wh} °C	52,6
	COP _{dhw} (EN16147: A7/W52)	medium area	2,62
	COP _{dhw} (EN16147: A14/W52)	hot area	2,94
	Water heating energy efficiency (area: EU average 812/2013)	η _{WH} %	128
	Maximum volume of mixed water at 40	V _{max} l	240
	Declared load profile (UNI EN 16147)		L
	Energy class		A+
	Heating time	time h:min	02:30:00
	Maximum water temperature (without/with electric heater)	°C	55/70
	Energy absorbed during heating time	Weh kWh	2,9
	Power consumption in standby	Pes W	50
Dimensions	Sound pressure of the external unit	dB(A)	-
	Sound pressure of the external unit	dB(A)	64
	Nominal pressure of the domestic hot water boiler	Mpa	1
	Dimensions (WxHxD) (without packaging)	mm	504 x 1660 x 574
	Weight (without packaging)	kg	70
	Dimensions (WxHxD) (with packaging)	mm	690 x 1860 x 690
	Weight (with packaging)	kg	92
Dimensions and limitations of the cooling circuit	Electric heating element power cable		2 + EARTH
	Section of the electric heating element power cable	mm²	1,5
	Electric resistance	kW / A	2,0 / 9,1
	Communication cable between the tank and the external unit	mm²	1x3 + EARTH
	Diameter of the pipes (Liq. / Gas)	mm (inch)	6,35 (1/4") / 9,52 (3/8")
	Maximum length for an internal unit	m	20
	Minimum total piping length	m	5
Operational limits	Maximum difference in height between the internal and external units	m	15
	Maximum difference in height between the internal units	m	10
	Diameter of connections on the bathroom fixtures	inch	RC3/4"
	External air temperature (Min-Max)	°C	-15 ~ +43
	Domestic hot water set point temperature (Min-Max) - without electric heating element	°C	38 - 55
	Domestic hot water set point temperature (Min-Max) - with electric heating element	°C	38 - 70

Energy efficiency classes refer to a range between A+ and F.

NEXYA MULTI DUCT [OS4/S5+IS5]



FEATURES

High energy efficiency inverter technology with low GWP R32 refrigerant.

Available in dual, triad, quadruple and quintuple versions, to air condition up to five rooms using a single external motor.

The system is modular: systems can be designed using internal wall-mounted units by selecting the right size based on the thermal load of the system.

Automatic setting of the air flow rate

Innovative automatic setting function of the air flow rate, so as to automatically adapt the system according to the ducts connected to the unit.

Reversible Air Extraction

The air extraction duct can be moved from the rear part of the product (standard configuration) to the lower part of the same, by replacing a sheet metal panel. Thus, it is possible to make the product suitable for any installation condition.

Fresh air inlet

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

Condensation Lifting Pump

The internal units are equipped with a condensation lifting pump (with the exception of sizes 9 and 12).

Remote ON-OFF

All the units of the commercial line are equipped with terminals for controlling the remote switching on and off of the unit via an external device.

SLIM DESIGN

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



AUTOMATIC SETTING OF THE AIR FLOW RATE

The system adapts automatically according to the ducts connected to the unit.



DIGITAL DISPLAY

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



FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.



Alarm Contact

The units of 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 installations in coastal areas or in particularly humid areas, thanks to its excellent anti-corrosion performance. 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, Sleep and Turbo functions**
- **24h timer:** to program the switching on and off.
- **Anti-dust filter:** to capture dust and pollen.
- **Follow Me function:** precise detection of the temperature at the point where the remote control is located.
- **Auto-Restart function:** after a blackout, it restarts at the last function set.

TECHNICAL DATA

		IDU Nexya S5 E Duct 9	IDU Nexya S5 E Duct 18
INDOOR UNIT CODE		OS-SANDH09EI	OS-SANDH18EI
EAN CODE		8021183121018	8021183119152
Electrical power supply	V/F/Hz	220-240/1/50	220-240/1/50
Cooling	kW (Nom)	2,64	5,28
Heating	kW (Nom)	2,93	5,57
Indoor unit	Dimensions (WxHxD) (without packaging)	MM	700x200x506
	Weight (without packaging)	kg	17,8
	Dimensions (WxHxD) (with packaging)	mm	860x285x540
	Weight (with packaging)	kg	21,5
	Air flow rate (min/rated/max)	m³/h	230-340-500
	Sound pressure (min/rated/max)	dB(A)	28-34-40
	Sound power level Max (EN 12102)	dB(A)	58
	Fan pressure	Pa	25
Piping dimensions	Fan pressure adjustment field	Pa	0-40
	Diameter of tube in liquid connection line	inch - mm	1/4" - 6,35
Operational limits	Diameter of tube in gas connection line	inch - mm	3/8" - 9,52
	Indoor temperature in cooling (Min-Max)	°C B.S.	+16/+32
	Indoor temperature in heating (Min-Max)	°C B.S.	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 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).

TECHNICAL DATA			ODU Nexya S5 E Dual Inverter 14	ODU Nexya S5 E Dual Inverter 18	ODU Nexya S5 E Trial Inverter 21	ODU Nexya S4 E Quadri Inverter 28	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
Cooling	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
	Capacity (min / rated / max)	kW	1,81-4,22-5,06	2,12-5,5-6,41	2,54-6,35-7,62	2,82-8,05-9,74	4,18-12,59-14
	Absorbed power (Nom/Min-Max)	kW	1,09(0,38-1,37)	1,55(0,54-2,05)	1,84(0,66-2,30)	2,21(0,75-2,76)	3,86(1,11-4,92)
	Current consumption (Nom/Min-Max)	A	5,47(1,64-5,9)	6,67(2,32-8,82)	7,92(2,84-9,9)	9,51(3,23-11,88)	16,61(4,78-21,18)
	Theoretical Load (PdesignC)	kW	4,1	5,3	6,2	8	12,3
	SEER		6,7	6,7	6,4	6,3	6,2
	Energy efficiency class		A++	A++	A++	A++	A++
	Annual energy consumption	kWh/A	222	289	348	447	714
Heating	Capacity (min / rated / max)	kW	1,92-4,47-5,37	2,23-5,57-6,68	2,25-6,42-7,7	2,90-8,30-10,04	4,19-13,45-14,96
	Absorbed power (Nom/Min-Max)	kW	1,01(0,35-1,26)	1,35(0,51-1,88)	1,35(0,49-1,69)	1,91(0,65-2,39)	3,18(0,9-4,15)
	Current consumption (Nom/Min-Max)	A	4,35(1,51-5,42)	5,81(2,2-8,09)	5,81(2,11-7,27)	8,22(2,80-10,29)	13,69(3,87-17,86)
	Theoretical Load (PdesignH) (average climate - warmer climate)	kW	4,1-4	4,5-5	5,4-6	6,4-7,1	10,4-9,3
	Scop (average climate - warmer climate)		4,3-5,2	4,4-5	4,1-5,4	4,1-4,8	4-4,9
	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	1335-1093	1434-1379	1872-1550	2205-2046	3657-2665
	Energy efficiency E.E.R./C.O.P.	W/W	3,87/4,44	3,56/4,12	3,45/4,75	3,64/4,34	3,26/4,23
Outdoor unit	Dimensions (WxHxD) (without packaging)	mm	805x554x330	805x554x330	890x673x342	946x810x410	946x810x410
	Weight (without packaging)	kg	31,6	35,0	43,3	62,1	74,1
	Dimensions (WxHxD) (with packaging)	mm	915x615x370	915x615x370	1030x750x438	1090x875x500	1090x885x500
	Weight (with packaging)	kg	34,7	38,0	47,1	67,7	79,5
	Air flow rate	m³/h	2100	2100	3000	3800	3850
	Sound pressure (max)	dB(A)	56	56	58	61	64
	Sound power level (max)	dB(A)	65	65	66	67	69
	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
Refrigerant fluid	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 gas *		R32	R32	R32	R32	R32
	GWP		675	675	675	675	675
	Refrigerant gas charge	kg	1,1	1,25	1,5	2,1	2,9
	Maximum operating pressure	MPa	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Main 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
	Max Power absorption	W	2750	3050	3910	4150	4700
Operational limits	Max Current	A	12	13	17	19	22
	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 one of the combinations 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.olimpiaspplendid.it and to the energy labels of the specific combination (range between A+++ and D).

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 field conditions, 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 field conditions, measuring device positioned at a distance of 1 metre (external unit).

* Non hermetically sealed equipment containing fluorinated GAS with GWP equivalent to 675.

NEXYA MULTI DUCT [OS4/S5+IS6]



FEATURES

High energy efficiency inverter technology with low GWP R32 refrigerant.

Available in dual, trial, quadruple and quintuple versions, to air condition up to five rooms using a single external motor.

The system is modular: systems can be designed using internal wall-mounted units by selecting the right size based on the thermal load of the system.

Automatic setting of the air flow rate

Innovative automatic setting function of the air flow rate, so as to automatically adapt the system according to the ducts connected to the unit.

Reversible Air Extraction

The air extraction duct can be moved from the rear part of the product (standard configuration) to the lower part of the same, by replacing a sheet metal panel. Thus, it is possible to make the product suitable for any installation condition.

Fresh air inlet

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

Condensation Lifting Pump

The internal units are equipped with a condensation lifting pump (with the exception of sizes 9 and 12).

Remote ON-OFF

All the units of the commercial line are equipped with terminals for controlling the remote switching on and off of the unit via an external device.

SLIM DESIGN

The range is characterised by its small dimensions and easier installation



AUTOMATIC SETTING OF THE AIR FLOW RATE

The system adapts automatically according to the ducts connected to the unit.



DIGITAL DISPLAY

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



FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.



Alarm Contact

The units of 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 installations in coastal areas or in particularly humid areas, thanks to its excellent anti-corrosion performance. 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, Sleep and Turbo functions**
- **24h timer**: to program the switching on and off.
- **Anti-dust filter**: to capture dust and pollen.
- **Follow Me function**: precise detection of the temperature at the point where the remote control is located.
- **Auto-Restart function**: after a blackout, it restarts at the last function set.

TECHNICAL DATA				NEW	NEW	NEW
				IDU Nexya S6 E Duct 9	IDU Nexya S6 E Duct 12	IDU Nexya S6 E Duct 18
INDOOR UNIT CODE				OS-SEDAH09EI	OS-SEDAH12EI	OS-SEDAH18EI
EAN CODE				8021183122244	8021183122251	8021183122268
Electrical power supply		V/F/Hz		220-240/1/50	220-240/1/50	220-240/1/50
Cooling		kW (Nom)		2,64	3,52	5,28
Heating		kW (Nom)		2,93	3,81	5,57
Indoor unit	Dimensions (WxHxD) (without packaging)		MM	700x200x450	700x200x450	700x245x750
	Weight (without packaging)		kg	16,6	16,6	24,4
	Dimensions (WxHxD) (with packaging)		mm	860x285x540	860x285x540	925x298x850
	Weight (with packaging)		kg	19,8	19,8	29,0
	Air flow rate (min/rated/max)		m³/h	450-540-620	470-570-660	650-780-900
	Sound pressure (min/rated/max)		dB(A)	31-33-35	31-33-35	31-34-37
	Sound power level Max (EN 12102)		dB(A)	52	52	53
	Fan pressure		Pa	25	25	25
	Fan pressure adjustment field		Pa	0-80	0-100	0-160
	Diameter of tube in liquid connection line		inch - mm	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35
Piping dimensions	Diameter of tube in gas connection line		inch - mm	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7
Operational limits	Indoor temperature in cooling (Min-Max)		°C B.S.	+16/+32	+16/+32	+16/+32
	Indoor temperature in heating (Min-Max)		°C B.S.	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 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).

TECHNICAL DATA			ODU Nexya S5 E Dual Inverter 14	ODU Nexya S5 E Dual Inverter 18	ODU Nexya S5 E Triad Inverter 21	ODU Nexya S4 E Quadri Inverter 28	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
Cooling	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
	Capacity (min / rated / max)	kW	1,22-4,08-4,48	1,67-5,58-6,14	1,87-6,23-6,85	2,45-8,16-8,97	3,70-12,35-13,58
	Absorbed power (Nom/Min-Max)	kW	1,26(0,19-1,52)	1,6(0,24-1,92)	1,65(0,25-1,98)	2,35(0,35-2,82)	4,06(0,61-4,87)
	Current consumption (Nom/Min-Max)	A	5,32(0,41-6,49)	6,75(0,52-8,19)	6,96(0,54-8,44)	9,91(0,77-12,02)	17,11(1,32-20,74)
	Theoretical Load (PdesignC)	kW	4,1	5,6	6,2	8,2	12,4
	SEER		6,1	6,5	6,4	6	6,1
	Energy efficiency class		A++	A++	A++	A+	A++
	Annual energy consumption	kWh/A	234	301	340	473	1209
Heating	Capacity (min / rated / max)	kW	1,32-4,39-4,83	1,76-5,87-6,45	1,92-6,42-7,06	2,61-8,70-9,57	3,7-12,33-13,57
	Absorbed power (Nom/Min-Max)	kW	0,94(0,14-1,12)	1,45(0,22-1,74)	1,32(0,2-1,59)	2,02(0,3-2,42)	3,28(0,49-3,94)
	Current consumption (Nom/Min-Max)	A	3,95(0,31-4,79)	6,1(0,47-7,4)	5,59(0,43-6,77)	8,51(0,66-10,31)	13,85(1,07-16,79)
	Theoretical Load (PdesignH) (average climate - warmer climate)	kW	3,9-4,1	4,6-5	5,1-5,4	6,1-7,6	9,5-10,6
	Scop (average climate - warmer climate)		4,2-5,5	4-5,1	4,2-5,3	4,1-4,9	3,5-4,6
	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	1308-1037	1610-1372	1688-1414	2056-2169	3764-3217
	Energy efficiency E.E.R./C.O.P.	W/W	3,23/4,67	3,49/4,05	3,78/4,86	3,47/4,31	3,04/3,76
Outdoor unit	Dimensions (WxHxD) (without packaging)	mm	805x554x330	805x554x330	890x673x342	946x810x410	946x810x410
	Weight (without packaging)	kg	31,6	35	43,3	62,1	74,1
	Dimensions (WxHxD) (with packaging)	mm	915x615x370	915x615x370	1030x750x438	1090x875x500	1090x885x500
	Weight (with packaging)	kg	34,7	38	47,1	67,7	79,5
	Air flow rate	m³/h	2100	2100	3000	3800	3850
	Sound pressure (max)	dB(A)	56	54	58	61	64
	Sound power level (max)	dB(A)	65	65	67	69	71
	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 than indoor units)	m	15	15	15	15	15
Refrigerant fluid	Difference in level (Max) (outdoor unit in lower position than indoor units)	m	15	15	15	15	15
	Difference in level (Max) (elevation difference between indoor units)	m	10	10	10	10	10
	Refrigerant gas *		R32	R32	R32	R32	R32
	GWP		675	675	675	675	675
Electrical connections	Refrigerant gas charge	kg	1,1	1,25	1,5	2,1	2,9
	Maximum operating pressure	MPa	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Main 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
Operational limits	Max Power absorption	W	2750	3050	3910	4150	4700
	Max Current	A	12	13	17	19	22
	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 one of the combinations 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.olimpiaspplendid.it and to the energy labels of the specific combination (range between A+++ and D).

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 field conditions, 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 field conditions, measuring device positioned at a distance of 1 metre (external unit).

* Non hermetically sealed equipment containing fluorinated GAS with GWP equivalent to 675.

NEXYA MULTI CASSETTE [OS4/S5+IS5]



FEATURES

High energy efficiency inverter technology with low GWP R32 refrigerant

Available in dual, triad, quadruple and quintuple versions, to air condition up to five rooms using a single external motor.

The system is modular: systems can be designed using internal wall units by selecting the right size based on the thermal load of the system.

Fresh air inlet

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

Condensation lifting pump

The internal units are equipped with a condensation lifting pump.

Remote ON-OFF

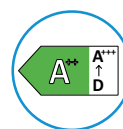
All units in the commercial line are fitted with terminals to control the remote switching on and off of the unit via an external device.

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.

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 650x650, in the compact version.



FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.



Hydrophilic Aluminium Coating

Suitable for installations in coastal areas or in particularly humid areas, thanks to its excellent anti-corrosion performance. 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, Sleep and Turbo functions**
- **24h timer:** to program the switching on and off.
- **Follow Me function:** precise detection of the temperature at the point where the remote control is located.
- **Anti-dust filter:** to capture dust and pollen.

TECHNICAL DATA

		IDU Nexya S5 E Cassette Compact 9	IDU Nexya S5 E Cassette Compact 12	IDU Nexya S5 E Cassette Compact 18
INDOOR UNIT CODE		OS-K/SANCH09EI	OS-K/SANCH12EI	OS-K/SANCH18EI
EAN CODE		8021183121070	8021183119329	8021183119336
Electrical power supply	V/F/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Cooling	kW (Nom)	2,64	3,52	5,28
Heating	kW (Nom)	2,93	3,81	5,57
Indoor unit	Dimensions (WxHxD) (without packaging)	mm 570x260x570	570x260x570	570x260x570
	Weight (without packaging)	kg 14,5	16,3	16,0
	Dimensions (WxHxD) (with packaging)	mm 640x295x675	655x290x655	662x317x662
	Weight (with packaging)	kg 17,3	20,4	20,6
	Air flow rate (min/rated/max)	m³/h 450-500-580	420-510-620	500-620-720
	Sound pressure (min/rated/max)	dB(A) 29-33-38	33-36-41	35-39-43
	Sound power level Max (EN 12102)	dB(A) 53	56	57
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
	Diameter of tube in gas connection line	inch - mm 3/8" - 9,52	3/8" - 9,52	1/2" - 12,7
Operational limits	Indoor temperature in cooling (Min-Max)	°C B.U. +16/+32	+17/+32	+17/+32
	Indoor temperature in heating (Min-Max)	°C B.S. 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 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.

TECHNICAL DATA			ODU Nexya S5 E Dual Inverter 14	ODU Nexya S5 E Dual Inverter 18	ODU Nexya S5 E Trial Inverter 21	ODU Nexya S4 E Quadri Inverter 28	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
Cooling	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
	Capacity (min / rated / max)	kW	1,82-4,23-5,08	2,12-5,48-6,41	2,48-6,19-7,43	2,79-7,98-9,65	4,18-12,78-14
	Absorbed power (Nom/Min-Max)	kW	1,14(0,4-1,43)	1,51(0,54-2,05)	1,82(0,66-2,28)	2,17(0,74-2,71)	3,96(1,03-4,57)
	Current consumption (Nom/Min-Max)	A	4,91(1,72-6,16)	6,5(2,32-8,82)	7,83(2,84-9,81)	8,65(2,93-10,85)	17,05(4,43-19,67)
	Theoretical Load (PdesignC)	kW	4,1	5,3	6,2	8	12,3
	SEER		6,6	6,8	6,4	6,8	6,2
	Energy efficiency class		A++	A++	A++	A++	A++
	Annual energy consumption	kWh/A	226	284	338	412	720
Heating	Capacity (min / rated / max)	kW	1,89-4,4-5,28	2,32-5,55-6,68	2,21-6,31-7,57	2,84-8,12-9,82	4,19-12,77-14,96
	Absorbed power (Nom/Min-Max)	kW	1,04(0,37-1,31)	1,39(0,51-1,88)	1,44(0,52-1,80)	2,01(0,68-2,52)	3,43(0,9-4,15)
	Current consumption (Nom/Min-Max)	A	4,48(1,59-5,64)	5,98(2,20-8,09)	6,20(2,24-7,75)	8,65(2,93-10,85)	14,76(3,87-17,86)
	Theoretical Load (PdesignH) (average climate - warmer climate)	kW	4-4	4,5-5	5,4-6	6,3-7,1	9,9-9,3
	Scop (average climate - warmer climate)		4,2-5,5	4,3-5,3	4,1-5,8	4-5,1	3,7-4,9
	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	1328-1029	1462-1309	1848-1451	2209-1947	3809-2677
	Energy efficiency E.E.R./C.O.P.	W/W	3,71/4,21	3,62/4	3,40/4,39	3,67/4,03	3,23/3,72
Outdoor unit	Dimensions (WxHxD) (without packaging)	mm	805x554x330	805x554x330	890x673x342	946x810x410	946x810x410
	Weight (without packaging)	kg	31,6	35,0	43,3	62,1	74,1
	Dimensions (WxHxD) (with packaging)	mm	915x615x370	915x615x370	1030x750x438	1090x875x500	1090x885x500
	Weight (with packaging)	kg	34,7	38,0	47,1	67,7	79,5
	Air flow rate	m³/h	2100	2100	3000	3800	3850
	Sound pressure (max)	dB(A)	56	56	58	61	64
	Sound power level (max)	dB(A)	65	65	66	67	69
	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
Refrigerant fluid	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 gas *		R32	R32	R32	R32	R32
	GWP		675	675	675	675	675
	Refrigerant gas charge	kg	1,1	1,25	1,5	2,1	2,9
	Maximum operating pressure	MPa	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Main 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
	Max Power absorption	W	2750	3050	3910	4150	4700
Operational limits	Max Current	A	12	13	17	19	22
	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 one of the combinations 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.olimpiaspplendid.it and to the energy labels of the specific combination (range between A+++ and D).

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 field conditions, 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 field conditions, measuring device positioned at a distance of 1 metre (external unit).

* Non hermetically sealed equipment containing fluorinated GAS with GWP equivalent to 675.

NEXYA MULTI CASSETTE [OS4/S5+IS6]



FEATURES

High energy efficiency inverter technology with low GWP R32 refrigerant

Available in dual, triad, quadruple and quintuple versions, to air condition up to five rooms using a single external motor.

The system is modular: systems can be designed using internal wall units by selecting the right size based on the thermal load of the system.

Fresh air inlet

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

Condensation lifting pump

The internal units are equipped with a condensation lifting pump.

Remote ON-OFF

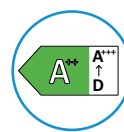
All units in the commercial line are fitted with terminals to control the remote switching on and off of the unit via an external device.

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.

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.



INDEPENDENT BLADE CONTROL

Independent flap control for greater climate comfort.



FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.



Hydrophilic Aluminium Coating

Suitable for installations in coastal areas or in particularly humid areas, thanks to its excellent anti-corrosion performance. 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, Sleep and Turbo functions**
- **24h timer:** to program the switching on and off.
- **Follow Me function:** precise detection of the temperature at the point where the remote control is located.
- **Anti-dust filter:** to capture dust and pollen.

TECHNICAL DATA				NEW	NEW	NEW
				IDU Nexya S6 E Cassette Compact 9	IDU Nexya S6 E Cassette Compact 12	IDU Nexya S6 E Cassette Compact 18
INDOOR UNIT CODE				OS-K/SENAH09EI	OS-K/SENAH12EI	OS-K/SENAH18EI
EAN CODE				8021183122305	8021183122329	8021183122343
Electrical power supply		V/F/Hz		220-240/1/50	220-240/1/50	220-240/1/50
Cooling		kW (Nom)		2,64	3,52	5,28
Heating		kW (Nom)		2,93	3,81	5,57
Indoor unit	Dimensions (WxHxD) (without packaging)		mm	570x245x570	570x245x570	570x245x570
	Weight (without packaging)		kg	14,6	16,1	16,2
	Dimensions (WxHxD) (with packaging)		mm	715x295x640	715x295x640	715x295x640
	Weight (with packaging)		kg	17,5	18,8	19
	Air flow rate (min/rated/max)		m³/h	400-460-500	330-520-620	300-540-660
	Sound pressure (min/rated/max)		dB(A)	33-36-37	32-39-42	32-41-44
	Sound power level Max (EN 12102)		dB(A)	52	55	59
Decorative Panel	Dimensions (WxHxD) (without packaging)		mm	620x50x620	620x50x620	620x50x620
	Weight (without packaging)		kg	2,7	2,7	2,7
	Dimensions (WxHxD) (with packaging)		mm	715x115x700	715x115x700	715x115x700
	Weight (with packaging)		kg	4,3	4,3	4,3
Piping dimensions	Diameter of tube in liquid connection line		inch - mm	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
Operational limits	Indoor temperature in cooling (Min-Max)		°C B.U.	+16/+32	+16/+32	+16/+32
	Indoor temperature in heating (Min-Max)		°C B.S.	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 Cassette S6 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.

TECHNICAL DATA			ODU Nexya S5 E Dual Inverter 14	ODU Nexya S5 E Dual Inverter 18	ODU Nexya S5 E Trial Inverter 21	ODU Nexya S4 E Quadri Inverter 28	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
Cooling	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
	Capacity (min / rated / max)	kW	1,23-4,11-4,52	1,58-5,26-5,78	1,85-6,20-6,77	2,47-8,23-9,05	3,69-12,31-13,54
	Absorbed power (Nom/Min-Max)	kW	1,21(0,18-1,46)	1,51(0,23-1,81)	1,85(0,28-2,23)	2,45(0,37-2,94)	4,18(0,63-5,02)
	Current consumption (Nom/Min-Max)	A	5,12(0,4-6,21)	5,57(0,43-6,75)	7,81(0,61-9,49)	10,34(0,8-12,54)	17,65(1,36-21,39)
	Theoretical Load (PdesignC)	kW	4,1	5,3	6,2	8,2	12,3
	SEER		6,5	6,7	6,4	6,9	5,7
	Energy efficiency class		A++	A++	A++	A++	A+
	Annual energy consumption	kWh/A	222	276	341	420	1292
Heating	Capacity (min / rated / max)	kW	1,33-4,44-4,88	1,68-5,58-6,14	1,93-6,46-7,11	2,63-8,76-9,63	3,69-12,31-13,54
	Absorbed power (Nom/Min-Max)	kW	1,19(0,18-1,39)	1,32(0,2-1,58)	1,74(0,28-2,20)	2,36(0,36-2,85)	3,12(0,47-3,75)
	Current consumption (Nom/Min-Max)	A	5,05(0,4-5,96)	5,57(0,43-6,75)	7,56(0,6-9,36)	10(0,77-12,13)	13,18(1,02-15,98)
	Theoretical Load (PdesignH) (average climate - warmer climate)	kW	3,9-4,1	4,3-5	5,1-5,1	6,4-6,3	9,5-10,1
	Scop (average climate - warmer climate)		3,9-5,2	4,1-5,4	4,1-5,1	4,0-5,1	3,9-5,2
	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	1407-1107	1476-1302	1730-1389	2208-1741	3416-2695
	Energy efficiency E.E.R./C.O.P.	W/W	3,40/3,73	3,48/4,23	3,35/3,71	3,36/3,71	2,94/3,95
Outdoor unit	Dimensions (WxHxD) (without packaging)	mm	805x554x330	805x554x330	890x673x342	946x810x410	946x810x410
	Weight (without packaging)	kg	31,6	35	43,3	62,1	74,1
	Dimensions (WxHxD) (with packaging)	mm	915x615x370	915x615x370	1030x750x438	1090x875x500	1090x885x500
	Weight (with packaging)	kg	34,7	38	47,1	67,7	79,5
	Air flow rate	m³/h	2100	2100	3000	3800	3850
	Sound pressure (max)	dB(A)	56	54	58	61	64
	Sound power level (max)	dB(A)	 65	 65	 67	 69	 71
	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
Refrigerant fluid	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 gas *		R32	R32	R32	R32	R32
	GWP		675	675	675	675	675
	Refrigerant gas charge	kg	1,1	1,25	1,5	2,1	2,9
	Maximum operating pressure	MPa	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Main 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
	Max Power absorption	W	2750	3050	3910	4150	4700
Operational limits	Max Current	A	12	13	17	19	22
	Outdoor temperature in cooling (Min-Max)	°C B.S.	-/+50	-/+50	-/+50	-/+50	-/+50
Operational limits	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 one of the combinations 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.olimpiaspplendid.it and to the energy labels of the specific combination (range between A+++ and D).

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 field conditions, 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 field conditions, measuring device positioned at a distance of 1 metre (external unit).

* Non hermetically sealed equipment containing fluorinated GAS with GWP equivalent to 675.

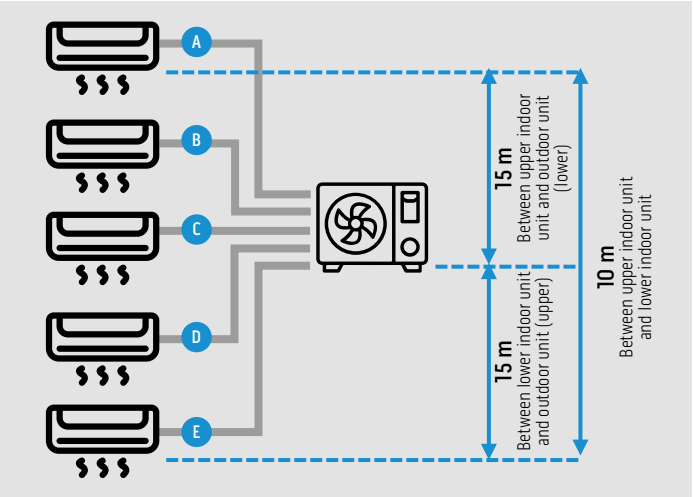
Combination chart



Download the complete combinations tables

The table shows the possible general combinations of Nexya Multisplit outdoor units. 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

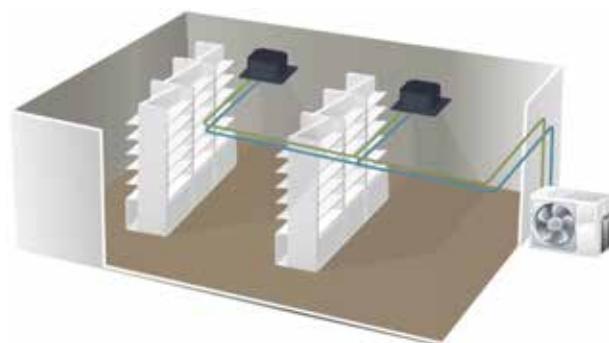
Total length A+B+C+D+E

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

Twin, Triple and Double Twin System

The ideal configurations for better air distribution, even in environments with large surfaces

The Twin, Triple and Double Twin systems allow connecting 2, 3 or 4 internal units of the same type and the same power to an external unit. These configurations, possible with the internal units of the Light Commercial range, are ideal for allowing uniform air distribution, even in environments with large surfaces. The control allows you to control the main unit while the others («slave units») follow its fan on/off settings, set point, operating mode and speed.



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.com.

POSSIBLE COMBINATIONS

CONFIGURATION	OUTDOOR UNIT	INDOOR UNIT 1	INDOOR UNIT 2	INDOOR UNIT 3	INDOOR UNIT 4
TWIN	UE NEXYA S5 E COMMERCIAL 36 (OS-CANCH36EI)	UI NEXYA S5 E CEILING 18 (OS-SANFH18EI)	UI NEXYA S5 E CEILING 18 (OS-SANFH18EI)	-	-
TWIN	UE NEXYA S5 E COMMERCIAL 36T (OS-CANCHT36EI)	UI NEXYA S5 E CEILING 18 (OS-SANFH18EI)	UI NEXYA S5 E CEILING 18 (OS-SANFH18EI)	-	-
TWIN	UE NEXYA S5 E COMMERCIAL 18 (OS-CANCH18EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)	-	-
TWIN	UE NEXYA S6 E COMMERCIAL 24 (OS-CECAH24EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	-	-
TWIN	UE NEXYA S6 E COMMERCIAL 24 (OS-CECAH24EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	-	-
TWIN	UE NEXYA S5 E COMMERCIAL 36 (OS-CANCH36EI)	UI NEXYA S6 E CASSETTE COMPACT 18 (OS-K/SENAH18EI)	UI NEXYA S6 E CASSETTE COMPACT 18 (OS-K/SENAH18EI)	-	-
TWIN	UE NEXYA S5 E COMMERCIAL 36 (OS-CANCH36EI)	UI NEXYA S6 E DUCT 18 (OS-SEDAH18EI)	UI NEXYA S6 E DUCT 18 (OS-SEDAH18EI)	-	-
TWIN	UE NEXYA S5 E COMMERCIAL 36T (OS-CANCHT36EI)	UI NEXYA S6 E CASSETTE COMPACT 18 (OS-K/SENAH18EI)	UI NEXYA S6 E CASSETTE COMPACT 18 (OS-K/SENAH18EI)	-	-
TWIN	UE NEXYA S5 E COMMERCIAL 36T (OS-CANCHT36EI)	UI NEXYA S6 E DUCT 18 (OS-SEDAH18EI)	UI NEXYA S6 E DUCT 18 (OS-SEDAH18EI)	-	-
TWIN	UE NEXYA S6 E COMMERCIAL 48T (OS-CECATH48EI)	UI NEXYA S6 E DUCT 24 (OS-SEDAH24EI)	UI NEXYA S6 E DUCT 24 (OS-SEDAH24EI)	-	-
TWIN	UE NEXYA S6 E COMMERCIAL 48T (OS-CECATH48EI)	UI NEXYA S5 E CASSETTE 24 (OS-K/SANCH24EI)	UI NEXYA S5 E CASSETTE 24 (OS-K/SANCH24EI)	-	-
TWIN	UE NEXYA S6 E COMMERCIAL 48T (OS-CECATH48EI)	UI NEXYA S5 E CEILING 24 (OS-SANFH24EI)	UI NEXYA S5 E CEILING 24 (OS-SANFH24EI)	-	-
TRIPLE	UE NEXYA S5 E COMMERCIAL 36 (OS-CANCH36EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	-
TRIPLE	UE NEXYA S5 E COMMERCIAL 36 (OS-CANCH36EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	-
TRIPLE	UE NEXYA S5 E COMMERCIAL 36T (OS-CANCHT36EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	-
TRIPLE	UE NEXYA S5 E COMMERCIAL 36T (OS-CANCHT36EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	-
DOUBLE TWIN	UE NEXYA S6 E COMMERCIAL 48T (OS-CECATH48EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)	UI NEXYA S6 E DUCT 12 (OS-SEDAH12EI)
DOUBLE TWIN	UE NEXYA S5 E COMMERCIAL 36 (OS-CANCH36EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)
DOUBLE TWIN	UE NEXYA S5 E COMMERCIAL 36T (OS-CANCHT36EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)	UI NEXYA S6 E CASSETTE COMPACT 9 (OS-K/SENAH09EI)
DOUBLE TWIN	UE NEXYA S6 E COMMERCIAL 48T (OS-CECATH48EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)	UI NEXYA S6 E CASSETTE COMPACT 12 (OS-K/SENAH12EI)

Accessories

B0969 4-wire wall-mounted remote control

Compatible with:

UI NEXYA ENERGY E	—
UI NEXYA S4E	—
UI NEXYA DUCT S5	○
UI NEXYA DUCT S6	○

UI NEXYA CASSETTE S5	○
UI NEXYA CASSETTE S6	○
UI NEXYA CEILING S5	○



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 S4 E	—
UI NEXYA DUCT S5	○
UI NEXYA DUCT S6	○

UI NEXYA CASSETTE S5	≤18
UI NEXYA CASSETTE S6	—
UI NEXYA CEILING S5	○



B1020 Wi-Fi key kit

USB key for Wi-Fi integration.

Compatible with:

UI NEXYA ENERGY E	●
UI NEXYA S4 E	●
UI NEXYA DUCT S5	—
UI NEXYA DUCT S6	—

UI NEXYA CASSETTE S5	≥24
UI NEXYA CASSETTE S6	○
UI NEXYA CEILING S5	—





DEHUMIDIFIERS

PORTABLES

MONO AND MULTISPLIT

UNICO

HRV

FAN COIL UNITS

HEAT PUMPS

BMS





DOLCECLIMA

Portable air conditioners



Technology and design for a climate that you take with you

Varied exterior finishes, designed in Italy to blend seamlessly with any interior style. And highly efficient technology for comfort with optimised consumption



Behind every design, an Italian signature

Dolceclima portable air conditioners are designed to blend seamlessly into home environments, featuring compact sizes and sleek, minimalist lines. The design is Italian, making the air conditioner a convenient choice, whichever way you look at it.

High-efficiency comfort

Reducing energy consumption is a key driver of development, as demonstrated by the A+ rating on the premium range: superior comfort that offers dual savings, both for people and the environment.

DOLCECLIMA ARIA 8

The ultra-compact portable air conditioner. 2.1 kW of power



Dolceclima Aria 8 (02266)



DOLCECLIMA COMPACT 10 MBB

The portable air conditioner offering the utmost performance in a compact design. 2.6 kW of power



Dolceclima Compact 10 MBB (02378)



DOLCECLIMA AIR PRO 13 A+ WIFI

The most efficient portable air conditioner. 2.9 kW of power



Dolceclima Air Pro 13 A+ Wifi (02027)



DOLCECLIMA AIR PRO 14 HP WIFI

The powerful heat pump portable air conditioner. 3.5 kW of power



Dolceclima Air Pro 14 HP Wifi (02029)



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

 Integrated Wi-Fi

 Natural R290 refrigerant

 Heat pump air conditioner



Wi-Fi Control

In-depth analysis on control from smartphones and tablets

Dolceclima portable air conditioners, equipped with integrated Wi-Fi, can be controlled easily, inside and outside the home, even from smartphones and tablets. To activate them and set the main functions, simply download the compatible iOS or Android application.

The OS Comfort application allows you to manage one or more portable air conditioners installed in the home, to display the room temperature and to set the main modes (cooling, heating, dehumidification, ventilation), as well as to program the on and off timers.

DOLCECLIMA ARIA 8

8,000 BTU/h* of pressure for small places and highly practical



SPACE SAVING

The most compact portable model in the range (only 31 cm wide and 68 cm high) for summer comfort that's even easier to bring with you.



TOUCHSCREEN DISPLAY

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



EXTREMELY PRACTICAL

Handles and wheels for easy movement



FEATURES

- Cooling capacity: 2.1 kW**
- Energy class: A (on a range between A+++ and D)
- Sound pressure: 65dB(A)
- Rated energy efficiency index: EER 2.6**
- Coolant gas: R290
- No tank: automatic condensation disposal
- Anti-dust filter
- LED display and multi-function remote control
- Convenient side handles and wheels
- Window and air ejection hose kit included.

FUNCTIONS

- **Cooling, dehumidification and ventilation (2 speeds)**
- **24 H timer**
- **Sleep function:** gradually increases the set temperature for greater acoustic 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 14511 standard.

TECHNICAL DATA

			DOLCECLIMA ARIA 8
PRODUCT CODE			02266
EAN CODE			8021183022667
Nominal cooling capacity (1)	Prated	kW	 2,1
Nominal heating capacity (1)	Prated	kW	-
Nominal power consumption for cooling (1)	PEER	kW	0,79
Nominal absorption for cooling (1)		A	3,5
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	135
Energy consumption in "standby" mode (EN 62301)	PSB	W	<1
Hourly electricity consumption for single duct (1) cooling mode	QSD	kWh/h	0,79
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 / 254
Maximum power consumption in cooling mode (1)		W	790
Maximum absorption in cooling mode (1)		A	4,5
Maximum power consumption in heating mode (4)		W	-
Maximum absorption in heating mode (4)		A	-
Dehumidification capacity (2)		l/h	0,71
Air flow rate (max/med/min)		m³/h	300 / 0 / -
Fan speed			2
Flexible pipe (length x diameter)		mm	1500 x 150
Maximum remote control range (distance/angle)		m / °	3 / ±30°
Dimensions (WxHxD) (without packaging)		mm	305 x 678 x 328
Dimensions (WxHxD) (with packaging)		mm	377 x 852 x 340
Weight (without packaging)		kg	19
Weight (with packaging)		kg	22
Sound pressure level (min-max) (3)		dB(A)	51 / 54
Sound power level (indoor only) (EN 12102)	LWA	dB(A)	 65
Degree of protection provided by covers			IP X0
Refrigerant gas (5)		Type	R290
Global warming potential	GWP		3
Refrigerant gas charge		kg	0,14
Maximum operating pressure		MPa	3,0
Maximum operating pressure (low pressure side)		MPa	1,0
Lower flammable limit	LFL	kg/m³	0,038
Minimum floor area for installation, use and storage		m²	7
Power cable (N° pole x section mmq)			3 x 0,75 mm²
Fuse			3,15 A
Conformity mark			CE
Integrated Wi-fi			-

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 32°C - WB 24°C
	Minimum temperature in cooling	DB 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.

Energy efficiency classes refer to a range between A+++ and D.

DOLCECLIMA COMPACT 10 [MBB]

10,000 BTU/h*, maximum functionality and compact design



COMPACT TECHNOLOGY

Overall size reduced by 19% compared to the previous Dolceclima Compact range, without foregoing maximum functionality.

DIGITAL CONTROLS

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

FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.

ROTATING CASTORS

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



FEATURES

- Cooling capacity: 2.6 kW**
- Energy class: A (on a range between A+++ and D)
- Sound pressure: 64dB(A)
- Rated energy efficiency index: EER 2.6**
- Coolant gas: R290
- No tank: automatic condensation disposal
- High-density antidust filter
- Multi-function remote control and LCD display
- Convenient side handles and wheels
- Air ejection hose and window kit included

FUNCTIONS

- **Cooling, dehumidification and ventilation (2 speeds)**
- **24h timer**
- **Auto function:** optimises energy consumption by regulating cooling in relation to room temperature.
- **Sleep function:** gradually increases the set temperature for greater thermal comfort.
- **Follow Me function:** precise temperature detection at the remote control location.
- **Auto-Restart function:** after a black-out, it restarts at the last function set.

* Test conditions: maximum cooling power (35°C / 80% RH).

** Test conditions: according to the EN 14511 standard.

TECHNICAL DATA

			DOLCECLIMA COMPACT 10 MB8
PRODUCT CODE			02378
EAN CODE			8021183023787
Nominal cooling capacity (1)	Prated	kW	 2,6
Nominal heating capacity (1)	Prated	kW	-
Nominal power consumption for cooling (1)	PEER	kW	1,00
Nominal absorption for cooling (1)		A	4,5
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	/
Energy consumption in "standby" mode (EN 62301)	PSB	W	0,5
Hourly electricity consumption for single duct (1) cooling mode	QSD	kWh/h	1,00
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	1200
Maximum absorption in cooling mode (1)		A	6,1
Maximum power consumption in heating mode (4)		W	-
Maximum absorption in heating mode (4)		A	-
Dehumidification capacity (2)		l/h	1,8
Air flow rate (max/med/min)		m³/h	280 / - / 230
Fan speed			2
Flexible pipe (length x diameter)		mm	1500 x 150
Maximum remote control range (distance/angle)		m / °	8 / ±80°
Dimensions (WxHxD) (without packaging)		mm	320 x 661 x 330
Dimensions (WxHxD) (with packaging)		mm	383 x 840 x 361
Weight (without packaging)		kg	23,3
Weight (with packaging)		kg	25,8
Sound pressure level (min-max) (3)		dB(A)	51 / 54
Sound power level (indoor only) (EN 12102)	LWA	dB(A)	 64
Degree of protection provided by covers			IP X0
Refrigerant gas (5)		Type	R290
Global warming potential	GWP		3
Refrigerant gas charge		kg	0,17
Maximum operating pressure		MPa	3,8
Maximum operating pressure (low pressure side)		MPa	1,0
Lower flammable limit	LFL	kg/m³	0,038
Minimum floor area for installation, use and storage		m²	9
Power cable (N° pole x section mmq)			3 x 1,0
Fuse			3,15 A
Conformity mark			CE
Integrated Wi-fi			-

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	Maximum temperature in cooling	DB 35°C
	Minimum temperature in cooling	DB 17°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 2m, minimum pressure in ventilation only

(4) High-load test condition and maximum heating yield

(5) Hermetically sealed equipment.

Energy efficiency classes refer to a range between A+++ and D.

DOLCECLIMA AIR PRO 13 [A+ WIFI]

Italian design by:

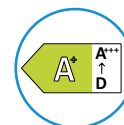


13.000 BTU/h* of power in class A+



HIGH EFFICIENCY

Class A+ air conditioner with reduced energy consumption, for more sustainable comfort



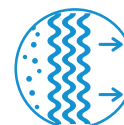
MOTORISED FLAPS WITH AUTO-SWING

The air flow can be easily directed in the room, thanks to the motorised flap on the top of the unit



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).



FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.



FEATURES

- Rated cooling capacity: 2.9 kW**
- Energy class: A+ (on a range between A+++ and D)
- Sound pressure: 62dB(A)
- Rated energy efficiency index: EER 3.1**
- 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, 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 14511 standard.

			DOLCECLIMA AIR PRO 13 A+ WIFI
PRODUCT CODE			02027
EAN CODE			8021183020274
Nominal cooling capacity (1)	Prated	kW	 2,9
Nominal heating capacity (1)	Prated	kW	-
Nominal power consumption for cooling (1)	PEER	kW	0,95
Nominal absorption for cooling (1)		A	4,5
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	0,5
Hourly electricity consumption for single duct (1) cooling mode	QSD	kWh/h	0,95
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	1150
Maximum absorption in cooling mode (1)		A	6,0
Maximum power consumption in heating mode (4)		W	-
Maximum absorption in heating mode (4)		A	-
Dehumidification capacity (2)		l/h	3,0
Air flow rate (max/med/min)		m³/h	420 / 370 / 355
Fan speed			3
Flexible pipe (length x diameter)		mm	1500 x 150
Maximum 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	32
Weight (with packaging)		kg	37
Sound pressure level (min-max) (3)		dB(A)	50-51,7
Sound power level (indoor only) (EN 12102)	LWA	dB(A)	 62
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 floor area for installation, use and storage		m²	10
Power cable (N° pole x section mmq)			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	-
	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.

Energy efficiency classes refer to a range between A+++ and D.

DOLCECLIMA AIR PRO 14 [HP WIFI]



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



HEAT PUMP

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



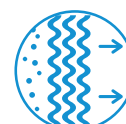
MOTORISED FLAPS WITH AUTO-SWING

The air flow can be easily directed in the room, thanks to the motorised flap on the top of the unit



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).



FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.



FEATURES

- Rated cooling capacity: 3.5 kW**
- Energy class: A (on a range between A+++ and D)
- Sound pressure: 64dB(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 14511 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 (1)		W	1450
Maximum absorption in cooling mode (1)		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 (length x diameter)		mm	1500 x 150
Maximum 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 floor area for installation, use and storage		m²	11
Power cable (N° pole x section mmq)			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

(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 efficiency classes refer to a range between A+++ and D.





DEHUMIDIFIERS

Portable dehumidifiers



Much more than dehumidifiers

Italian design

The Aquaria dehumidifier range offers six models in R290 designed by Alessio Abdollahian, already designer of the Dolceclima Air Pro portable air conditioners, awarded at the most recent Good Design Award, inspiring the company to create a distinctive family line. The aesthetic is distinguished by its **clean and contemporary** style and the capacity to enclose, in extremely compact forms, superior technology.

Latest-generation controls

All models are equipped with precision control, thanks to the digital touch **control panel**. In addition, in the top-of-the-range models, the **integrated wi-fi** makes it possible to manage the dehumidifier functions even from your smartphone, by downloading the dedicated app.

Purification with HEPA filters

On the air treatment front, the range is distinguished by **increasing filtration** capacity, and features a filtering capacity starting from the pre-filter and the activated carbon filter, right up to being equipped with HEPA filters in the most powerful models. The new Aquaria dehumidifiers go beyond their primary function and are positioned as solutions for **complete air treatment**, all year round.

AQUARIA S1 20 P

The dehumidifier with triple stage filtration and integrated wifi.
Capacity: 20lt/24h



AQUARIA S1 20 P (02064)



AQUARIA S1 24 P

The dehumidifier with triple stage filtration and integrated wifi.
Capacity: 24lt/24h



AQUARIA S1 24 P (02065)



SECCOPROF 30 P

The professional dehumidifier for large rooms. Capacity: 30lt/24h



SECCOPROF 30 P (02106)



SECCOPROF 40 P

The professional dehumidifier for large rooms. Capacity: 40lt/24h



SECCOPROF 40 P (02107)



Dehumidification capacity (24h)

Double filtration

Triple filtration

Integrated wi-fi

AQUARIA S1 20 P

The most complete 20-litre dehumidifier



Skrunner



TRIPLE FILTRATION WITH HEPA FILTER

In addition to the pre-filter and activated carbon filter, it is equipped with a HEPA filter effective on particles up to 0.3 microns



MOTORISED FLAPS

Enjoy the best comfort experience thanks to the air flow management function.



TOUCHSCREEN E HIDDEN DISPLAY

Touchscreen control panel with an understated style and backlit front display (can be deactivated) for immediate humidity control



TOUCHSCREEN E HIDDEN DISPLAY

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



FEATURES

- Dehumidification capacity: 20l / 24h
- For rooms up to 90 m³
- Coolant gas: R290
- Tank capacity: 5l
- Noise level 38 dB
- Motorised flap
- Temperature and humidity indicator
- 1-24h timer
- Semi-transparent removable tank with handle
- Speed: low/medium/high
- Dry function
- Automatic defrosting device
- Child lock
- Wheels for transportation
- Full tank alarm

		AQUARIA S1 20 P
PRODUCT CODE		02064
EAN CODE		8021183020649
Dehumidification capacity (2)	l/24h	20
Power absorption in dehumidification mode (1)	W	310
Nominal absorption in dehumidification mode (1)	A	1,8
Max. power absorption in dehumidification mode (2)	W	350
Max. absorption in dehumidification mode (2)	A	1,7
Max. power absorption in dehumidification mode (U.L.U.)	W	370
Degree of protection		IPX0
Fan speed	nr	3
Tank capacity	l	5
Air flow rate (max)	m³/h	170
Product dimensions (W x H x D with wheels)	mm	367 x 610 x 274
Gift box dimensions (WxHxD)	mm	421 x 664 x 335
Noise level	dB(A)	38
Weight (without packaging)	kg	14,6
Weight (with packaging)	kg	16,1
Coolant gas		R290
GWP (Global Warming Potential)		3
Refrigerant gas charge	kg	0,052
Minimum floor area for installation, use and storage	m²	4
Plug		EU
Power supply	V-F-Hz	220-240 - 1 - 50
Conformity mark		CE
Antidust filter		✓
Carbon filter		✓
HEPA filter		✓
Continuous operation with hose		✓
Humidity level power settings		✓
Indoor humidity visualizer		✓
Indoor temperature visualizer		✓
Full tank alarm		✓
Child lock		✓
Oscillation		✓
Laundry function		✓
Timer		✓
Defrosting device		✓
Integrated wi-fi		✓

(1) DB 27°C - WB 21°C (27°C-60%)

(2) DB 30°C - WB 27°C (30°C-80%)

(U.L.U.) DB 32°C - WB 23°C

AQUARIA S1 24 P

The most complete 24-litre dehumidifier



Skrunner



TRIPLE FILTRATION WITH HEPA FILTER

In addition to the pre-filter and activated carbon filter, it is equipped with a HEPA filter effective on particles up to 0.3 microns



MOTORISED FLAPS

Enjoy the best comfort experience thanks to the air flow management function.



TOUCHSCREEN E HIDDEN DISPLAY

Touchscreen control panel with an understated style and backlit front display (can be deactivated) for immediate humidity control



TOUCHSCREEN E HIDDEN DISPLAY

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



FEATURES

- Dehumidification capacity: 24l / 24h
- For rooms up to 100 m³
- Coolant gas: R290
- Tank capacity: 5l
- Noise level 38 dB
- Motorised flap
- Temperature and humidity indicator
- 1-24h timer
- Semi-transparent removable tank with handle
- Speed: low/medium/high
- Dry function
- Automatic defrosting device
- Child lock
- Wheels for transportation
- Full tank alarm

		AQUARIA S1 24 P
PRODUCT CODE		02065
EAN CODE		8021183020656
Dehumidification capacity (2)	l/24h	24
Power absorption in dehumidification mode (1)	W	320
Nominal absorption in dehumidification mode (1)	A	1,9
Max. power absorption in dehumidification mode (2)	W	360
Max. absorption in dehumidification mode (2)	A	1,8
Max. power absorption in dehumidification mode (U.L.U.)	W	380
Degree of protection		IPX0
Fan speed	nr	3
Tank capacity	l	5
Air flow rate (max)	m³/h	180
Product dimensions (W x H x D with wheels)	mm	367 x 610 x 274
Gift box dimensions (WxHxD)	mm	421 x 664 x 335
Noise level	dB(A)	38
Weight (without packaging)	kg	14,6
Weight (with packaging)	kg	16,1
Coolant gas		R290
GWP (Global Warming Potential)		3
Refrigerant gas charge	kg	0,052
Minimum floor area for installation, use and storage	m²	4
Plug		EU
Power supply	V-F-Hz	220-240 - 1 - 50
Conformity mark		CE
Antidust filter		✓
Carbon filter		✓
HEPA filter		✓
Continuous operation with hose		✓
Humidity level power settings		✓
Indoor humidity visualizer		✓
Indoor temperature visualizer		✓
Full tank alarm		✓
Child lock		✓
Oscillation		✓
Laundry function		✓
Timer		✓
Defrosting device		✓
Integrated wi-fi		✓

(1) DB 27°C - WB 21°C (27°C-60%)

(2) DB 30°C - WB 27°C (30°C-80%)

(U.L.U.) DB 32°C - WB 23°C

SECCOPROF

Professional dehumidifiers for large spaces



SUPER POWER

Seccoprof is able to absorb up to 40 litres of excess humidity per day, thus allowing the dehumidification of large spaces.

NON-STOP OPERATING

Continuous condensation drain for non-stop dehumidification, without needing to remove the tank.

WARM GAS DEFROSTING

Guarantees constant operation of the compressor, avoiding frequent activation and deactivation periods, and also allows operation at temperatures close to 0°C.

WARM GAS DEFROSTING

The control panel allows accurate settings and timely control of the air temperature and humidity.



FEATURES

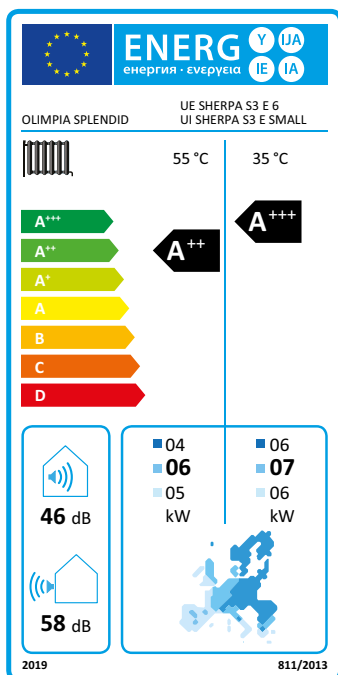
- Dehumidification capacity: 30l / 24h and 40l / 24h
- For rooms up to 150/200 m³
- Coolant gas: R290
- Tank capacity: 8l
- Noise level 52 dB
- Temperature and humidity indicator
- 1-24h timer
- Removable tank with water level visualisation
- 2 fan speed levels
- Dry and Fan function
- Automatic defrosting device
- Wheels for transportation
- Full tank alarm
- 2 filtering levels (pre-filter / activated carbon filter)

		SECCOPROF 30 P	SECCOPROF 40 P
PRODUCT CODE		02106	02107
EAN CODE		8021183021066	8021183021073
Dehumidification capacity (1)	l/24h	30	40
Power absorption in dehumidification mode (1)	W	560	650
Max. power absorption in dehumidification mode (U.L.U.)	W	620	750
Fan speed	nr	2	2
Tank capacity	l	8	8
Air volume (max)	m³/h	240	240
Sound pressure	dB(A)	52	52
Dimensions (WxHxD)	mm	312 x 635 x 453	312 x 635 x 453
Gift box dimensions (WxHxD)	mm	356 x 688 x 492	356 x 688 x 492
Weight (without packaging)	kg	24,9	27,2
Weight (with packaging)	kg	26,8	29,0
Refrigerant gas / Charge (kg)		R290 / 0,083	R290 / 0,096
Power supply	V-F-Hz	220-240 - 1 - 50	220-240 - 1 - 50
Plug		Schuko	Schuko
Power supply min - max	V	220-240	220-240
Antidust filter		✓	✓
Carbon filter		✓	✓
HEPA filter		-	-
Continuous operation with hose		✓	✓
Digital control		✓	✓
Humidity level power settings		✓	✓
LCD Display		✓	✓
Indoor humidity visualizer		✓	✓
Indoor temperature visualizer		✓	✓
Full tank alarm		✓	✓
Defrosting device		✓	✓
Mot gas defrosting system		✓	✓
Handle		✓	✓
Wheels		✓	✓
Tank with push-pull locking		-	-
Tank with Handle		-	-
Visible water level		✓	✓

(1) DB 32°C - WB 29°C (32°C-80%)
(U.L.U.) DB 35°C - WB 31°C (35°C-80%)

Energy Labels

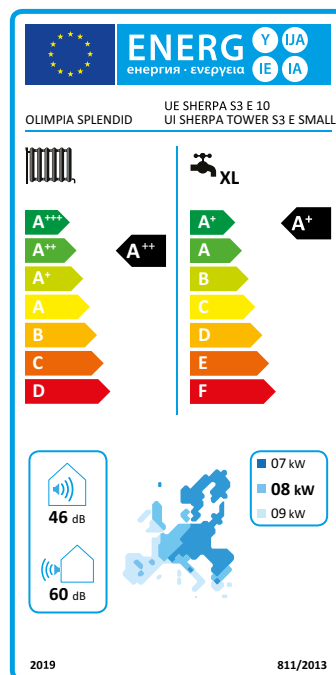
AIR WATER HEAT PUMPS



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

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

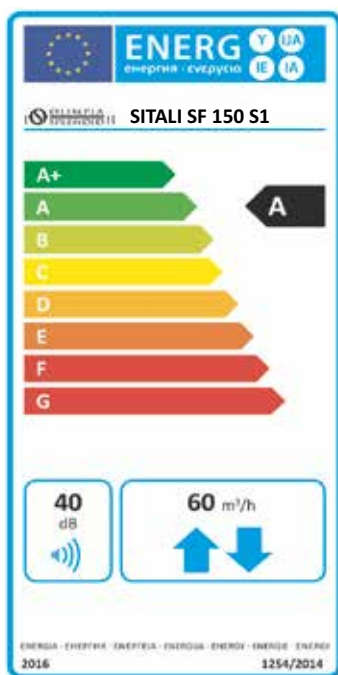
AIR WATER HEAT PUMPS WITH INTEGRATED STORAGE TANK



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

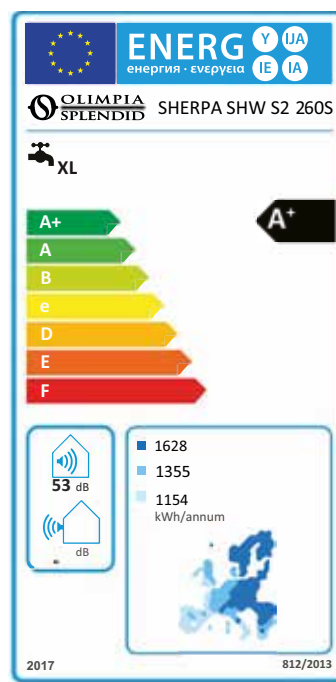
HEAT RECOVERY VENTILATION



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

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

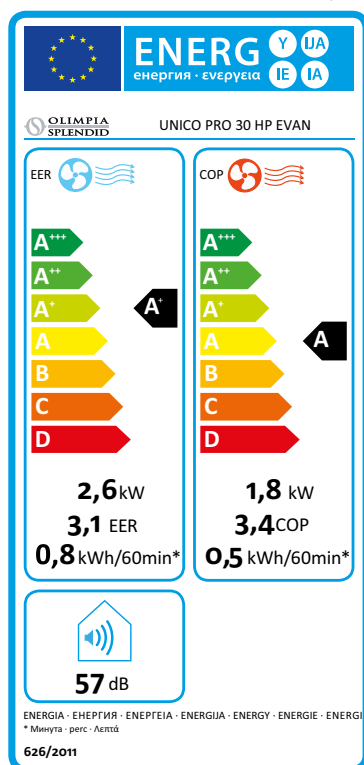
WATER HEATER HEAT PUMP



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

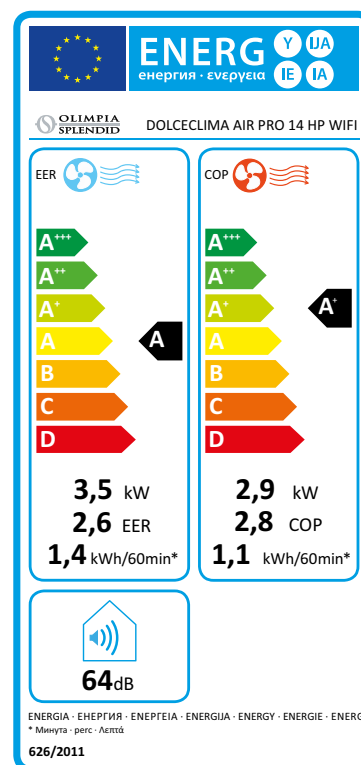
Reference regulation for water heater heat pump:
EUROPEAN REGULATION (EU) N. 812/2013

DOUBLE DUCT AIR CONDITIONERS (UNICO)



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

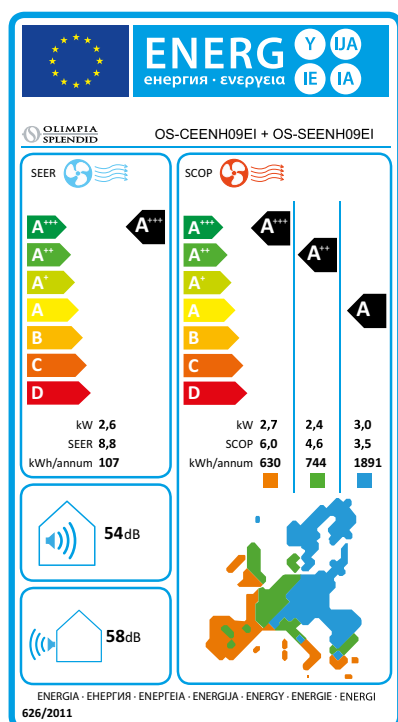
SINGLE DUCT AIR CONDITIONERS (PORTABLE)



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

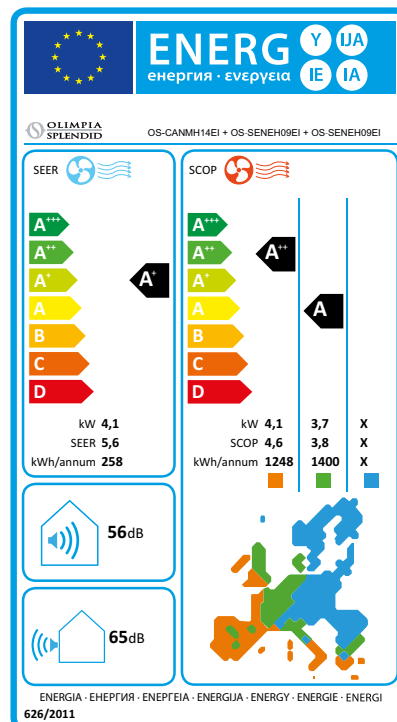
Double duct, single duct, fixed and wall split air conditioner Reference Regulation:
EUROPEAN REGULATION (EU) N. 626/2011

MONOSPLIT AIR CONDITIONER



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

MULTISPLIT AIR CONDITIONER



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



Olimpia Splendid S.p.A.

Italy, Cellatica (BS) | Headquarter

Italy, Gualtieri (RE) | Logistic Hub

France, Paris | Sales Subsidiary

Spain, Madrid | Sales Subsidiary

USA, New York | Sales Subsidiary

Australia, Melbourne | Sales Subsidiary

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