

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)

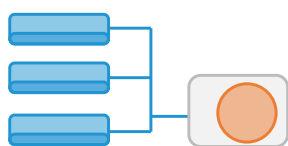
Electronic expansion valve or precise control

Daily and weekly Timer

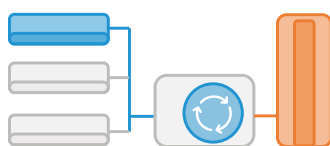
Domestic expansion vessel not included and to be provided by the installer



OPERATING MODES



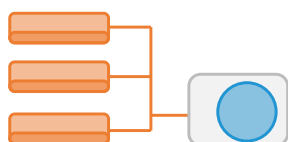
Cooling



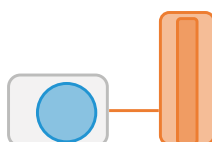
Cooling + DHW (total heat recovery)



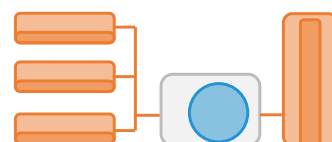
Cooling + DHW (partial heat recovery)



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

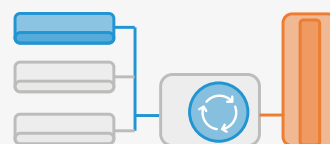


Air-to-air heat pump + heat pump water heater



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
Operational limits	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.