

# NEXYA MULTISPLIT

Energy efficient multisplit inverter air conditioners



## FEATURES

Energy-efficient inverter technology with low GWP R32 refrigerant.

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

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

Check [Olimpiasplendid.it](http://Olimpiasplendid.it) for the combinations that can access the economic incentives.

## FUNCTIONS

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

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

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

The sound pressure values of the Nexya S5 range are measured under the following conditions: in semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1 metres (external unit).

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

## Wall internal units

NEW

TECHNICAL DATA			IDU Nexya S4 E Inverter 9	IDU Nexya S4 E Inverter 12	IDU Alyas E Inverter 9	IDU Alyas S1 E Inverter 12
PRODUCT CODE			OS-SENEH09E1	OS-SENEH12E1	OS-SECYH09E1	OS-SAALH12E1
EAN CODE			8021183114928	8021183114935	8021183116205	8021183119312
Electrical power supply	Electrical power supply	V/F/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Cooling	kW (Nom)	2,64	3,52	2,64	3,52
	Heating	kW (Nom)	2,93	3,81	2,93	3,81
Indoor unit	Dimensions (WxHxD) (without packaging)	mm	805x285x194	805x285x194	722x290x187	802x297x189
	Weight (without packaging)	kg	7,5	7,5	7,3	8,6
	Dimensions (WxHxD) (with packaging)	mm	870x360x270	870x360x270	790x375x270	875x380x285
	Weight (with packaging)	kg	9,7	9,7	9,7	11,1
	Air flow rate (min/rated/max)	m³/h	340-460-520	360-500-600	230-309-416	395-477-584
	Sound pressure (silent/min/med/max)	dB(A)	21-26-30-40	22-26-34-40	20-23-31-39	1-26-32-39
	Sound power level Max (EN 12102)	dB(A)	53	53	54	55
Piping dimensions	Diameter of tube in liquid connection line	inch - mm	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35
	Diameter of tube in gas connection line	inch - mm	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52	3/8" - 9,52
Operational limits	Indoor temperature in cooling (Min-Max)	°C B.S.	+17/+32	+17/+32	+17/+32	+17/+32
	Indoor temperature in heating (Min-Max)	°C B.S.	0/+30	0/+30	0/+30	0/+30

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

The sound pressure values of the Alyas S1 range are measured under the following conditions: in semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1.5 metres (external unit).

## Duct and cassette internal units

TECHNICAL DATA			IDU Nexya S4 E Duct 9	IDU Nexya S5 E Duct 12	IDU Nexya S5 E Duct 18	IDU Nexya S4 E Cassette Compact 9	IDU Nexya S5 E Cassette Compact 12	IDU Nexya S5 E Cassette Compact 18
PRODUCT CODE			OS-SEDDH09E1	OS-SANDH12E1	OS-SANDH18E1	OS-K/SECIH09E1	OS-K/SANCH12E1	OS-K/SANCH18E1
EAN CODE			8021183115307	8021183119145	8021183119152	8021183117769	8021183119329	8021183119336
Electrical power supply	Electrical power supply	V/F/Hz	220-240 /1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Cooling	kW (Nom)	2,64	3,52	5,28	2,64	3,52	5,28
	Heating	kW (Nom)	2,93	3,81	5,57	2,93	3,81	5,57
Indoor unit	Dimensions (WxHxD) (without packaging)	MM	700x200x450	700x200x450	880x210x674	570x260x570	570x260x570	570x260x570
	Weight (without packaging)	kg	18	17,8	24,4	14,5	16,3	16,0
	Dimensions (WxHxD) (with packaging)	mm	860x275x540	860x285x540	1070x280x725	662x317x662	655x290x655	662x317x662
	Weight (with packaging)	kg	22	21,5	29,6	17,3	20,4	20,6
	Air flow rate (min/rated/max)	m³/h	300-480-600	300-480-600	515-706-911	450-500-580	420-510-620	500-620-720
	Sound pressure (min/rated/max)	dB(A)	27,5-34,5-40,0	29-30-34	34-38-41	29/33/38	33-36-41	35-39-43
	Sound power level Max (EN 12102)	dB(A)	59	57	58	53	56	57
	Fan pressure	Pa	25	25	25	-	-	-
	Fan pressure adjustment field	Pa	0-40	0-60	0-100	-	-	-
Decorative Panel	Dimensions (WxHxD) (without packaging)	mm	-	-	-	647x50x647	647x50x647	647x50x647
	Weight (without packaging)	kg	-	-	-	2,5	2,5	2,5
	Dimensions (WxHxD) (with packaging)	mm	-	-	-	715x123x715	715x123x715	715x123x715
Piping dimensions	Weight (with packaging)	kg	-	-	-	4,5	4,5	4,5
	Diameter of tube in liquid connection line	inch - mm	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35
Operational limits	Diameter of tube in gas connection line	inch - mm	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7
	Indoor temperature in cooling (Min-Max)	°C B.S.	+17/+32	+17/+32	+17/+32	+17/+32	+17/+32	+17/+32
	Indoor temperature in heating (Min-Max)	°C B.S.	0/+30	0/+30	0/+30	0/+30	0/+30	0/+30

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

The sound pressure values of the Duct S5 range are at the following conditions: in semi-anechoic chamber, unit positioned in a free space, measuring device positioned 1.5 meters below the internal unit to which are applied standard ducts with a length of 2 meters (delivery) and 1 meter (return).

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

The sound pressure values of the Cassette S5 range are measured under the following conditions: in semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1.4 metres below the internal unit.



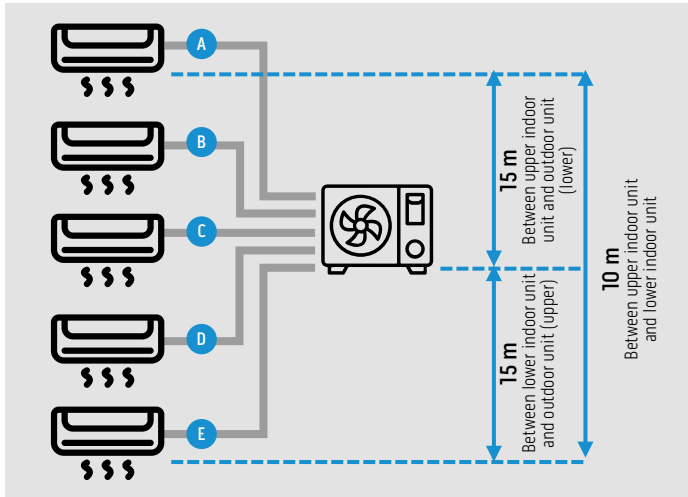
### Download the complete combinations tables

The table shows the possible general combinations of Nexya Multisplit external units in the S4 range. Depending on the specific models of internal units (wall, duct, cassette), always check the feasible combinations, also available on-line in the download area of the website [Olimpiasplesndid.it](http://Olimpiasplesndid.it).



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

## Installation of the multi-split pipes



Maximum distance single pipes Indoor unit to Outdoor unit

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

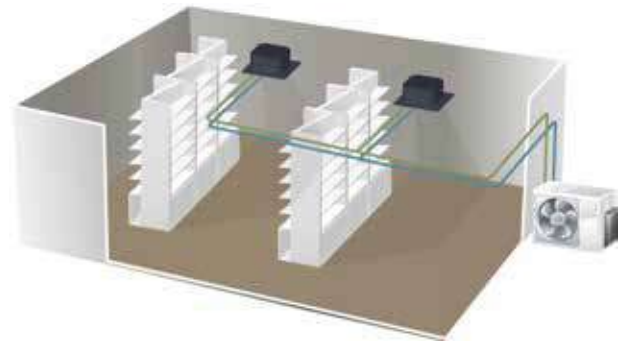
Total length A+B+C+D+E

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

# Twin System

## The twin configuration for improved air distribution

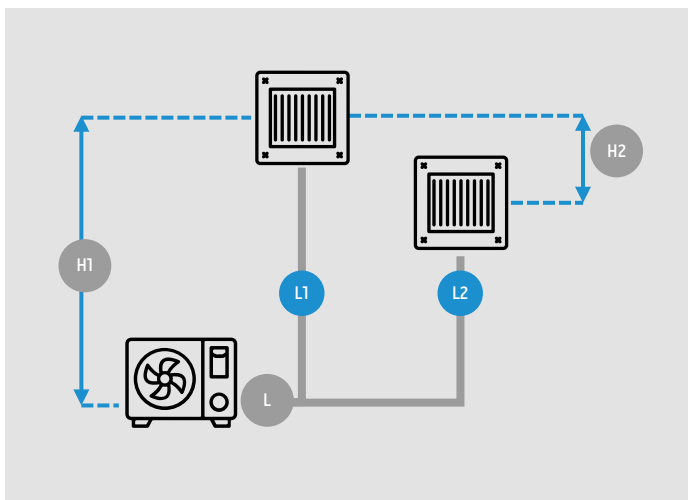
A complete system, intended for small commercial businesses, to improve air diffusion through the connection of two internal units, of the same power, to an external unit. The internal units are compatible with the Twin System and designed to be installed in one room. The control allows you to control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



### POSSIBLE COMBINATIONS

OUTDOOR UNIT	INDOOR UNIT 1	INDOOR UNIT 2
UE Nexya S5 E Commercial 24 (OS-CANCH24EI)	UI Nexya S5 E Duct 12 (OS-SANDH12EI)	UI Nexya S5 E Duct 12 (OS-SANDH12EI)
UE Nexya S5 E Commercial 36 monofase (OS-CANCH36EI)	UI Nexya S5 E Ceiling 18 (OS-SANFH18EI)	UI Nexya S5 E Ceiling 18 (OS-SANFH18EI)
UE Nexya S5 E Commercial 48 trifase (OS-CANCH48EI)	UI Nexya S5 E Cassette 24 (OS-K/SANCH24EI)	UI Nexya S5 E Cassette 24 (OS-K/SANCH24EI)

### PIPE LENGTH LIMITS



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

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

## B0969 4-wire wall-mounted remote control

### Compatible with:

UI NEXYA ENERGY E	—
UI NEXYA S4 E	—
UI ALYAS E / ALYAS S1 E / ALYAS PRO E	—

UI NEXYA S5 E DUCT	○
UI NEXYA S5 E CASSETTE	○
UI NEXYA S5 E CEILING	○



## B0970 Wi-Fi disc kit

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

### Compatible with:

UI NEXYA ENERGY E	—
UI NEXYA S4 E	—
UI ALYAS E / ALYAS S1 E / ALYAS PRO E	—

UI NEXYA S5 E DUCT	○
UI NEXYA S5 E CASSETTE	≤18
UI NEXYA S5 E CEILING	○



## B1020 Wi-Fi key kit

USB key for Wi-Fi integration.

### Compatible with:

UI NEXYA ENERGY E	●
UI NEXYA S4 E	●
UI ALYAS E / ALYAS S1 E / ALYAS PRO E	●

UI NEXYA S5 E DUCT	—
UI NEXYA S5 E CASSETTE	≥24
UI NEXYA S5 E CEILING	—

