NEXYA MULTISPLIT

Energy efficient multisplit inverter air conditioners

FEATURES

Energy-efficient inverter technology with low GWP R32 refrigerant.

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

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

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

FUNCTIONS

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

	TECHNICAL DATA		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
	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	1,76-4,1-4,92	2,12-5,3-6,41	2,44-6,10-7,32	2,79-7,98-9,65	4,18-12,30-14,00
	Absorbed power (Nom/Min-Max)	kW	1,27(0,44-1,59)	1,64(0,54-2,05)	1,89(0,68-2,36)	2,17(0,74-2,71)	3,81(1,03-4,57)
	Current consumption (Nom/Min-Max)	A	5,47(1,89-6,84)	7,06(2,32-8,82)	8,14(2,93-10,16)	9,34(3,19-11,66)	16,4(4,43-19,67)
	Theoretical Load (PdesignC)	kW	4,1	5,3	6,1	8,02	12,3
	SEER		6,1	6,1	6,1	6,8	6,1
	Energy efficiency class		A++	A++	A++	A++	A++
	Annual energy consumption	kWh/A	235	306	350	412	706
Heating	Capacity (min / rated / max)	kW	1,89-4,4-5,28	2,23-5,57-6,68	2,26-6,45-7,74	2,84-8,12-9,82	4,18-12,30-14,94
	Absorbed power (Nom/Min-Max)	kW	1,19(0,42-1,48)	1,5(0,51-1,88)	1,74(0,63-2,17)	2,01(0,68-2,52)	3,32(0,90-4,14)
	Current consumption (Nom/Min-Max)	A	5,12(1,81-6,37)	6,46(2,20-8,09)	7,49(2,71-9,34)	8,65(2,93-10,85)	14,29(3,87-17,82)
	Theoretical Load (PdesignH) (average climate - warmer climate)	kW	3,9-4,1	4,3-5	5,1-5,1	6,25-7,05	9,5-10,40
	Scop (average climate - warmer climate)		3,8-5,1	4-5,1	4,0-5,1	4,0-5,06	3,5-5,1
	Energy efficiency class (average climate - warmer climate)	medium zone / hot zone	A / A+++	A+ / A+++	A+ / A+++	A / A++	A / A+++
	Annual energy consumption (average climate - warmer climate)	kWh/A	1425-1125	1501-1373	1785-1400	2209-1947	3800-2855
	Energy efficiency E.E.R./C.O.P.	W/W	3,23/3,71	3,23/3,71	3,23-3,71	3,67-4,03	3,23-3,71
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	1090x875x500
	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
	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	2,1	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/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 the combination capable of expressing the highest energy class. For the energy class and performance of the individual combinations, refer to the selection tables on the website www.olimpiasplendid.it and to the energy labels of the specific combination. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice. The sound pressure values of the Nexya S4 range are measured under the following conditions: ambient sound pressure level equal to 0 dB (pressure equal to 20Pa), unit positioned in free space, measuring device positioned at a distance of 1.5 metres (outdoor 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 (outdoor unit).
* Non hermetically sealed equipment containing fluorinated GAS with GWP equivalent to 675.

Wall internal units

	TECHNICAL DATA		IDU Nexya S4 E Inverter 9	IDU Nexya S4 E Inverter 12	IDU Nexya S4 E inverter 18
	PRODUCT 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 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 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.

Duct and cassette internal units

	TECHNICAL DATA		NEW IDU Nexya S5 E Duct 9	IDU Nexya S5 E Duct 12	IDU Nexya S5 E Duct 18	NEW IDU Nexya S5 E Cassette Compact 9	IDU Nexya S5 E Cassette Compact 12	IDU Nexya S5 E Cassette Compact 18
	PRODUCT CODE		OS-SANDH09EI	OS-SANDH12EI	OS-SANDH18EI	OS-K/SANCH09EI	OS-K/SANCH12EI	OS-K/SANCH18EI
	EAN CODE		8021183121018	8021183119145	8021183119152	8021183121070	8021183119329	8021183119336
	Electrical power supply	V/F/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Cooling	kW (Nom)	2,64	3,52	5,28	2,64	3,52	5,28
	Heating	kW (Nom)	2,93	3,81	5,57	2,93	3,81	5,57
Indoor unit	Dimensions (WxHxD) (without packaging)	MM	700x200x506	700x200x506	880x210x674	570x260x570	570x260x570	570x260x570
	Weight (without packaging)	kg	17,8	17,8	24,4	14,5	16,3	16,0
	Dimensions (WxHxD) (with packaging)	mm	860x285x540	860x285x540	1070x280x725	640x295x675	655x290x655	662x317x662
	Weight (with packaging)	kg	21,5	21,5	29,6	17,3	20,4	20,6
	Air flow rate (min/rated/max)	m³/h	230-340-500	300-480-600	515-706-911	450-500-580	420-510-620	500-620-720
	Sound pressure (min/rated/max)	dB(A)	28-34-40	29-30-34	34-38-41	29-33-38	33-36-41	35-39-43
	Sound power level Max (EN 12102)	dB(A)	58	57	58	53	56	57
	Fan pressure	Pa	25	25	25	-	-	-
	Fan pressure adjustment field	Pa	0-40	0-60	0-100	-	-	-
Decorative Panel	Dimensions (WxHxD) (without packaging)	mm	-	-	-	647x50x647	647x50x647	647x50x647
	Weight (without packaging)	kg	-	-	-	2,5	2,5	2,5
	Dimensions (WxHxD) (with packaging)	mm	-	-	-	715x123x715	715x123x715	715x123x715
	Weight (with packaging)	kg	-	-	-	4,5	4,5	4,5
Piping dimensions	Diameter of tube in liquid connection line	inch - mm	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35
	Diameter of tube in gas connection line	inch - mm	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7
Operational limits	Indoor temperature in cooling (Min-Max)	°C B.S.	+16/+32	+16/+32	+16/+32	+16/+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 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).

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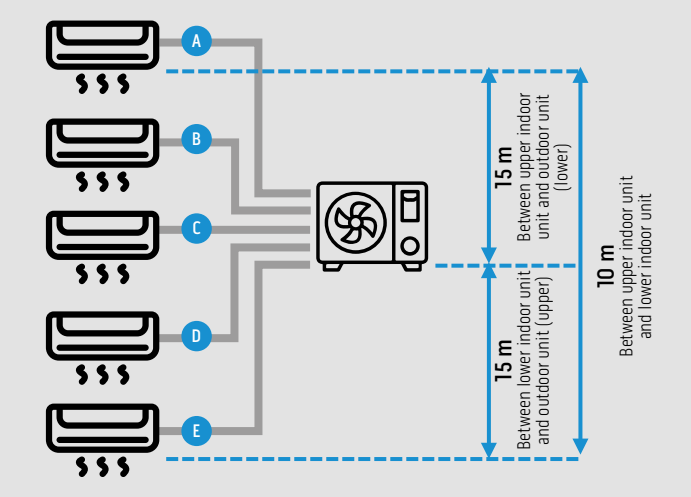
Combination chart

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