

# NEXYA S5 E DUCT

## Inverter mono-split air conditioners ducted for large rooms



### HIGH HEAD

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



### SLIM DESIGN

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



### AUTOMATIC SETTING OF THE AIR FLOW RATE

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



### DIGITAL DISPLAY

Display on the outside of the internal unit to guaranteed 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 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.
- **Short cut function:** to automatically return to the previous settings.

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

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data are subject to change and modification without prior notice.

The sound pressure values are measured under the following conditions: in semi-anechoic chamber, unit positioned in a free space, measuring device positioned 1.5 metres below the internal unit to which standard ducting of 2 metres (supply) and 1 metre (return) are attached.

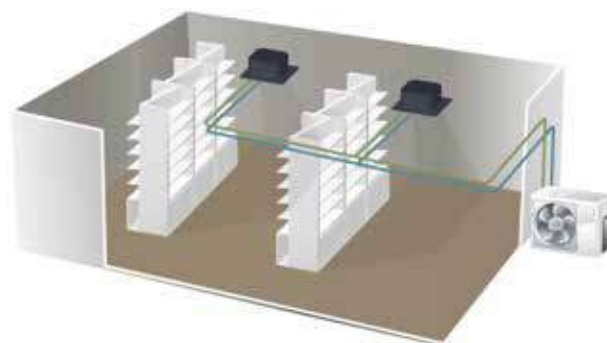
The sound pressure values of the external units are at the following conditions: in a semi-anechoic chamber, unit positioned in free space, measuring device positioned at a distance of 1 metre (external unit).

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

# Twin System

## The twin configuration for improved air distribution

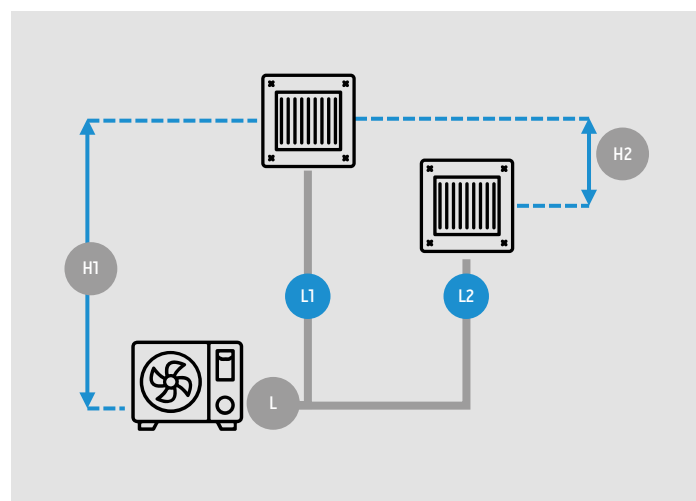
A complete system, intended for small commercial businesses, to improve air diffusion through the connection of two internal units, of the same power, to an external unit. The internal units are compatible with the Twin System and designed to be installed in one room. The control allows you to control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



### POSSIBLE COMBINATIONS

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

### PIPE LENGTH LIMITS



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

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

