

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.