NEXYA COMMERCIAL DUCT

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 (Height from 210 mm)

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 guaranteed he best signal reception from the remote control (*Except for size 48T, which comes with the B0969 wall-mounted wire 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.

Condensation lift pump

The internal units are fitted with a condensation 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 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.
- *Functions not compatible for size 48T

				Nexya S5 E Duct 18	Nexya S5 E Duct 24	Nexya S5 E Duct 36	Nexya S5 E Duct 36T	Nexya S4 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-CECITH48EI
	OUTDOOR UNIT EAN CODE			8021183119053	8021183119060	8021183119077	8021183119084	8021183116175
	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	4,26/14,07/15,19
	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	3,7/16,12/18,02
	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	1,17/5,15/5,70
	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	0,95/4,28/5,83
	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	1,8/8,3/9,4
	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	1,5/6,8/9,2
	EER			3,45	3,23	3,27	3,28	2,73
	COP			3,71	4,01	3,71	3,91	3,77
	Maximum power consumption in cooling mode		kW	2,95	3,7	5	5	6,2
	Maximum power consumption in heating mode		kW	2,95	3,7	5	5	6,2
	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	808
	Annual energy consumption in heating mode - Average season	kWh/year	kWh/year	1505	1890	2940	3080	4263
	Annual energy consumption in heating mode - Warmer season	kWh/year	kWh/year	1434	1647	2690	2745	2949
	Annual energy consumption in heating mode - Cold season		kWh/year	/	/	/	/	/
	Dehumidification capacity		l/h	1,87	2,34	3,54	4,19	/
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	5,4	7,1	10,5	10,6	14,0
	Heating / Average	Pdesignh	kW	4,3	5,4	8,4	8,8	12,1
	Heating / Warmer	Pdesignh	kW	5,2	6	9,8	10	10,7
	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	5,1
	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
	Rated fan pressure		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
	Weight (with packaging)		kg	29,6	39,1	48,2	48,2	55,8
OUTDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	65	67	70	70	72
	Sound pressure		dB(A)	56	60	63	63	66
	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	106,7
	Dimensions (WxHxD) (with packaging)		mm	915x615x370	995x740x398	1090x885x500	1090x885x500	1090x1480x495
	Weight (with packaging)		kg	35,2	46,9	71,5	85	119,9
COOLING CIRCUIT	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
	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	65
	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	2,8
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
	Outdoor 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	11,2
	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. 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.