

SPLIT AIR-TO-AIR HEAT PUMPS

NEXYA E DUCT

[OS5/S6+IS6]

Size	18, 24, 36, 36T, 48T
Energy class	A++
Type	monosplit
Filtration	antidust
Application	commercial



High installation flexibility

Suitable for any installation condition, thanks to more compact dimensions and reversible air intake: the duct can be moved from the back of the product (standard configuration) to the bottom, replacing it with a sheet metal panel. In addition, all sizes of outdoor units are single-fan.

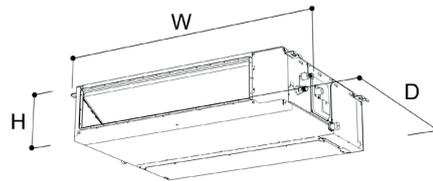
Automated air flow rate

The system adapts automatically according to the ducts connected to the unit.

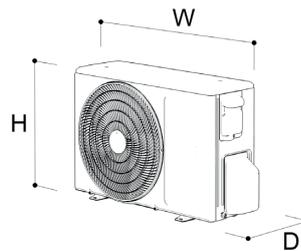
TECHNICAL INFO

- Digital display outside the indoor unit to ensure the best reception of remote control signals.
- Ability to control with external devices to turn on and off (remote on-off) and synchronize alarm condition (alarm contact).
- Indoor unit equipped with specific air inlets for the introduction of outside or fresh air and condensate liquid lifting pump.
- Hydrophillic Aluminum coating on the outdoor unit coil to prevent corrosive weathering.
- Compatible with Airzone control systems.

DIMENSIONS AND WEIGHT



		18	24	36	48
W	mm	700	1000	1200	1200
H	mm	245	245	245	245
D	mm	750	750	750	750
WEIGHT	kg	24,4	31,8	38,4	40,4



		18	24	36	36T	48T
W	mm	805	890	946	946	980
H	mm	554	673	810	810	975
D	mm	330	342	410	410	415
WEIGHT	kg	32,5	41,9	66,9	80,5	90,0

- Cooling
- Heating
- Dehumidification
- Ventilation
- Auto Mode
- Auto-diagnosis
- Auto-restart
- Eco Mode
- Power Gear
- Defrost
- Self Clean
- Temperature Sensor
- Silent Mode
- Sleep Mode
- Timer
- Turbo Mode

COMPATIBLE ACCESSORIES

B1234	Wireless 4-wire wall control	
B0969	4-wire wall-mounted remote control	
B0970	Wi-Fi disc kit	



TECHNICAL DATA

		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-CECAT48E1		
Outdoor unit EAN code		8021183119053	8021183122220	8021183119077	8021183119084	8021183122237		
Output power in cooling mode (min/rated/max)		(1) 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)		(1) 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)		(1) 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)		(1) kW	0,5/1,62/1,85	0,64/2/2,5	0,8/2,75/3,95	0,78/2,71/4	0,95/4,1/5,8	
Absorption in cooling mode (min/nom/max)		(1) 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	
Absorption in heating mode (min/nom/max)		(1) 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		(1)	3,32	3,24	3,27	3,26	3,13	
COP		(1)	3,72	3,99	3,73	3,75	3,72	
Maximum power consumption in cooling mode		(2) kW	2,95	3,7	5,0	5,0	7,3	
Maximum power consumption in heating mode		(3) kW	2,95	3,7	5,0	5,0	7,3	
Energy efficiency class in cooling		(4)	A++	A++	A++	A++	A++	
Energy efficiency class in heating mode - Average season		(4)	A+	A+	A+	A+	A+	
Energy efficiency class in heating mode - Warmer season		(4)	A+++	A+++	A+++	A+++	A+++	
Energy efficiency class in heating mode - Cold season		(4)	/	/	/	/	/	
Annual energy consumption in cooling mode		(4) kWh/year	285	377	583	608	1377	
Annual energy consumption in heating mode - Average season		(4) kWh/year	1468	1867	2868	3080	4025	
Annual energy consumption in heating mode - Warmer season		(4) kWh/year	1427	1685	2745	2745	3075	
Annual energy consumption in heating mode - Cold season		(4) kWh/year	/	/	/	/	/	
Dehumidification capacity		(5) l/h	2,3	2,4	3,6	4,2	6,2	
PROJECT LOADS (EN 14825)	Cooling	Pdesignhc	(4) kW	5,3	7,1	10,5	10,6	14,0
	Heating - Mid Season	Pdesignh	(4) kW	4,3	5,6	8,4	8,8	11,5
	Heating - Hot season	Pdesignh	(4) kW	5,2	6,5	10	10	11,2
	Heating - Cold Season	Pdesignh	(4) kW	/	/	/	/	/
SEASONAL EFFICIENCY (EN 14825)	Cooling	SEER	(4)	6,5	6,6	6,3	6,1	6,1
	Heating - Mid Season	SCOP (A)	(4)	4,1	4,2	4,1	4,0	4,0
	Heating - Hot season	SCOP (W)	(4)	5,1	5,4	5,1	5,1	5,1
	Heating - Cold Season	SCOP (C)	(4)	/	/	/	/	/
INDOOR UNIT	Sound power	LWA	(6) dB(A)	53	56	62	62	65
	Sound pressure (silent/min/med/max)	(7) dB(A)	25/31/34/37	28/31/33/34	29/33/36/38	29/34/37/39	36/40/42/44	
	Indoor air flow rate in cooling mode (min/average/max)	m³/h	650/780/900	700/1000/1200	1100/1400/1700	1100/1400/1700	1300/1700/2000	
	Indoor air flow rate in heating mode (min/average/max)	m³/h	650/780/900	700/1000/1200	1100/1400/1700	1100/1400/1700	1300/1700/2000	
	Rated fan pressure	Pa	25	25	25	25	50	
	Fan pressure adjustment field	Pa	0-160	0-160	0-160	0-160	0-160	
	Degree of protection of casing		/	/	/	/	/	
	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	
	OUTDOOR UNIT	Sound power	LWA	(6) dB(A)	62	69	70	70
Sound pressure		(8) dB(A)	59	60	65	65	65	
Air flow rate		m³/h	2100	3500	4000	4000	5600	
Degree of protection of casing			/	/	/	/	/	
Dimensions (WxHxD) (without packaging)		mm	805x554x330	890x673x342	946x810x410	946x810x410	980x975x415	
Weight (without packaging)		kg	32,5	41,9	66,9	80,5	90,0	
Dimensions (WxHxD) (with packaging)		mm	915x615x370	995x740x398	1090x885x500	1090x885x500	1145x1080x500	
Weight (with packaging)		kg	35,2	45,2	71,5	85,0	105,0	
Liquid connection 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	
COOLING CIRCUIT	Maximum piping length	m	30	50	75	75	75	
	Maximum height difference	m	20	25	30	30	30	
	Piping length covered by precharge	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 (High/Low side)	MPa	4,3-1,7	4,3-1,7	4,3-1,7	4,3-1,7	4,3-1,7	
	Refrigerant gas	Type	(9) R32	R32	R32	R32	R32	
	Global warming potential	GWP	675	675	675	675	675	
	Refrigerant gas charge	kg	1,15	1,4	2,4	2,4	2,9	
	ELECTRICAL CONNECTIONS	Indoor Unit Power Supply	V/F/Hz	Single-phase 220-240/1/50	Single-phase 220-240/1/50	Single-phase 220-240/1/50	Single-phase 220-240/1/50	Single-phase 220-240/1/50
External Unit Power Supply		V/F/Hz	Single-phase 220-240/1/50	Single-phase 220-240/1/50	Single-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	
Maximum Current		A	13,5	19	22,5	10	14	

LIMITS OF OPERATING CONDITIONS

| Outdoor environment | Operating temperatures in cooling mode (min/max) | - / DB 50°C |
|---------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| Indoor environment | Operating temperatures in heating mode (min/max) | DB -20°C / DB 24°C |
| | Operating temperatures in cooling mode (min/max) | DB 16°C / DB 32°C |
| | Operating temperatures in heating mode (min/max) | DB 0°C / DB 30°C |

(1) The data refers to the EN 14511 Standard

(2) Cooling test conditions: indoor temperature DB 32°C - WB 26°C; outdoor temperature DB 37°C

(3) Heating test conditions: indoor temperature DB 27°C; outdoor temperature DB 3°C - WB 2°C

(4) The data refers to the EN 14825 Standard

(5) The data refers to DB 27°C - WB 19°C conditions

(6) The data refers to the EN 12102 Standard

(7) Test conditions: semi-anechoic chamber, unit positioned in free-field conditions, measuring instrument positioned 1.5 metres below the internal unit fitted with standard ducting of 2 metres (delivery) and 1 metre (return)

(8) Test conditions: semi-anechoic chamber, unit positioned in free-field conditions, measuring instrument positioned at a distance of 1 metre (external unit)

(9) Non-hermetically sealed equipment containing fluorinated GAS with a GWP equivalent of 675

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. Energy efficiency classes refer to a range between A+++ and D.