

SPLIT AIR-TO-AIR HEAT PUMPS

# NEXYA E CASSETTE

[OS5/S6+IS5/S6]

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



## Ultra-compact dimensions

The smallest power size has particularly small dimensions (in plan only 62x62 cm), which allows the occupied ceiling space to be limited. In addition, all sizes of outdoor units are single-fan.

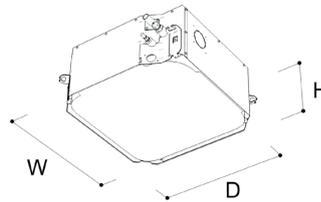
## Excellent air distribution in the room

The indoor unit has a decorative panel with digital display, independent flap management, and even air outtake (also on the edges of the indoor unit) to promote better airflow diffusion and greater climatic comfort.

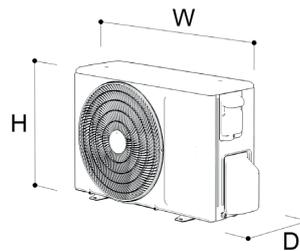
## TECHNICAL INFO

- 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.

## DIMENSIONS AND WEIGHT



		18	24	36	48
W	mm	570	830	830	830
H	mm	245	205	245	287
D	mm	570	830	830	830
WEIGHT	kg	16,2	21,6	27,2	29,3



		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
- Vertical swing
- Timer
- Turbo Mode

## COMPATIBLE ACCESSORIES

B1234	Wireless 4-wire wall control	
B0969	4-wire wall-mounted remote control	
B1020	Wireless split kit	



## TECHNICAL DATA

				Nexya E Cassette Compact 18 [OS5+IS6]	Nexya E Cassette 24 [OS6+IS5]	Nexya E Cassette 36 [OS5+IS5]	Nexya E Cassette 36T [OS5+IS5]	Nexya E Cassette 48T [OS6+IS5]		
<b>Indoor unit code</b>				OS-K/SENAH18EI	OS-K/SANCH24EI	OS-K/SANCH36EI	OS-K/SANCH36EI	OS-K/SANCH48EI		
<b>Indoor unit EAN code</b>				8021183122343	8021183119343	8021183119350	8021183119350	8021183119367		
<b>Outdoor unit code</b>				OS-CANCH18EI	OS-CECAH24EI	OS-CANCH36EI	OS-CANCH36EI	OS-CECATH48EI		
<b>Outdoor unit EAN code</b>				8021183119053	8021183122220	8021183119077	8021183119084	8021183122237		
Output power in cooling mode (min/rated/max)				(1) kW	2,9/5,28/5,59	3,29/6,15/7,91	2,7/9,952/11,43	2,7/10,01/11,43	3,52/14,07/15,83	
Output power in heating mode (min/rated/max)				(1) kW	2,37/5,33/6,1	2,79/7,62/8,5	2,78/11,14/12,3	2,78/11,14/12,66	4,1/16,12/17,29	
Absorbed power in cooling mode (min/rated/max)				(1) kW	0,72/1,55/2,04	0,78/1,88/2,75	0,9/2,989/4,2	0,89/3,044/4,15	0,81/4,98/6,35	
Absorbed power in heating mode (min/rated/max)				(1) kW	0,71/4,2/1,95	0,61/1,9/2,3	0,8/3/3,95	0,78/3/4	0,91/4,58/5,9	
Absorption in cooling mode (min/nom/max)				(1) A	3,2/6,9/9	4,2/8,3/12	4,2/17,5/18,5	1,4/6,5/6,5	1,8/8/10,3	
Absorption in heating mode (min/nom/max)				(1) A	3,1/6/8,6	3,6/8,5/10,1	3,5/13,5/17,5	1,3/5/6,4	1,9/7,5/9,6	
EER				(1)	3,40	3,28	3,33	3,29	2,82	
COP				(1)	3,76	4,01	3,71	3,71	3,52	
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	394	549	589	1373	
Annual energy consumption in heating mode - Average season				(4) kWh/year	1431	2117	2975	2870	3920	
Annual energy consumption in heating mode - Warmer season				(4) kWh/year	1455	1633	2773	2773	3047	
Annual energy consumption in heating mode - Cold season				(4) kWh/year	/	/	/	/	/	
Dehumidification capacity				(5) l/h	2,3	2,4	3,35	3,66	5,35	
PROJECT LOADS (EN 14825)	Cooling			Pdesignc	5,3	7,1	10,5	10,5	14,0	
	Heating - Mid Season			Pdesignh	4,2	6,2	8,5	8,2	11,2	
	Heating - Hot season			Pdesignh	4,4	6,3	10,1	10,1	11,1	
	Heating - Cold Season			Pdesignh	/	/	/	/	/	
SEASONAL EFFICIENCY (EN14825)	Cooling			SEER	6,5	6,3	6,7	6,4	6,1	
	Heating - Mid Season			SCOP (A)	4,1	4,1	4,0	4,0	4,0	
	Heating - Hot season			SCOP (W)	5,1	5,4	5,1	5,1	5,1	
	Heating - Cold Season			SCOP (C)	/	/	/	/	/	
INDOOR UNIT	Sound power			LWA	(6) dB(A)	59	59	63	63	66
	Sound pressure (silent/min/med/max)			(7) dB(A)	25/32/41/44	28/37/43/45	40/44/47/50	39/45/47/50	39/47/49/52	
	Indoor air flow rate in cooling mode (min/average/max)			m³/h	300/540/660	992/1118/1247	1380-1550-1700	1400-1600-1800	1600/1750/1900	
	Indoor air flow rate in heating mode (min/average/max)			m³/h	300/540/660	992/1118/1247	1380-1550-1700	1300-1530-1700	1600/1750/1900	
	Degree of protection of casing				/	/	/	/	/	
	Dimensions (WxHxD) (without packaging)			mm	570x245x570	830x205x830	830x245x830	830x245x830	830x287x830	
	Weight (without packaging)			kg	16,2	21,6	27,2	27,2	29,3	
	Dimensions (WxHxD) (with packaging)			mm	715x295x640	910x290x910	910x290x910	910x290x910	910x330x910	
	Weight (with packaging)			kg	19,0	25,4	31,2	31,2	33,5	
	OUTDOOR UNIT	Sound power			LWA	(6) dB(A)	65	68	70	70
Sound pressure			(8) dB(A)	58	60	63	63	64		
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		
Dimensions (WxHxD) (without packaging)			mm	620x50x620	950x55x950	950x55x950	950x55x950	950x55x950		
Weight (without packaging)			kg	2,7	6,0	6,0	6,0	6,0		
DECORATIVE PANEL	Dimensions (WxHxD) (with packaging)			mm	715x115x700	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	
	Weight (with packaging)			kg	4,3	9,0	9,0	9,0	9,0	
	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	
	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	
COOLING CIRCUIT	Refrigerant gas			Type	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	
	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 mm <sup>2</sup>	3 x 2,5 mm <sup>2</sup>	3 x 2,5 mm <sup>2</sup>	3 x 2,5 mm <sup>2</sup>	5 x 2,5 mm <sup>2</sup>	
	Indoor - Outdoor unit connection			Pipes	4 x 1 mm <sup>2</sup>	4 x 1 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	4 x 1 mm <sup>2</sup>	
	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	- / DB 50°C	- / DB 50°C	- / DB 50°C	- / DB 50°C
Indoor environment	Operating temperatures in heating mode (min/max)	DB -20°C / DB 24°C	DB -20°C / 24°C	DB -20°C / 24°C	DB -20°C / 24°C	DB -20°C / 24°C
	Operating temperatures in cooling mode (min/max)	DB 16°C / DB 32°C	DB 16°C / DB 32°C	DB 16°C / DB 32°C	DB 16°C / DB 32°C	DB 16°C / DB 32°C
	Operating temperatures in heating mode (min/max)	DB 0°C / DB 30°C	DB 0°C / DB 30°C	DB 0°C / DB 30°C	DB 0°C / DB 30°C	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 at a distance of 1.4 metres from the bottom of the internal unit

(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.