

**SPLIT AIR-TO-AIR HEAT PUMPS**

# NEXYA E CEILING

[OS5/S6+IS5]



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>



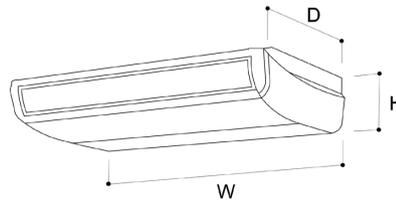
## Installation versatility

The unit can be placed either on the ceiling or vertically on low walls, meeting the required installation conditions and minimum areas. This versatility allows even the most complex spaces, such as attics and attics, to be cooled and heated at high output. In addition, all sizes of outdoor units are single-fan.

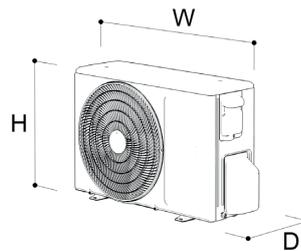
## TECHNICAL INFO

- Ability to control with external devices to turn on and off (remote on-off) and synchronize alarm condition (alarm contact).
- Hydrophillic Aluminum coating on the outdoor unit coil to prevent corrosive weathering.

## DIMENSIONS AND WEIGHT



		18	24	36	48
W	mm	1068	1068	1650	1650
H	mm	235	235	235	235
D	mm	675	675	675	675
WEIGHT	kg	<b>28,0</b>	<b>28,0</b>	<b>41,5</b>	<b>41,7</b>

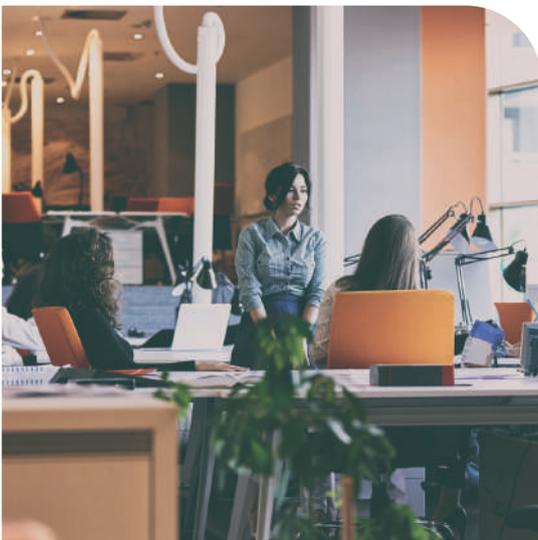


		18	24	36	36T	48T
W	mm	805	890	946	946	980
H	mm	554	673	810	810	975
D	mm	330	342	410	410	415
WEIGHT	kg	<b>32,5</b>	<b>41,9</b>	<b>66,9</b>	<b>80,5</b>	<b>90,0</b>

-  **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	
B0970	Wi-Fi disc kit	



## TECHNICAL DATA

		Nexya E Ceiling 18 [OS5+ISS]	Nexya E Ceiling 24 [OS6+ISS]	Nexya E Ceiling 36 [OS5+ISS]	Nexya E Ceiling 36T [OS5+ISS]	Nexya E Ceiling 48T [OS6+ISS]	
<b>Indoor unit code</b>		OS-SANFH18EI	OS-SANFH24EI	OS-SANFH36EI	OS-SANFH36EI	OS-SANFH48EI	
<b>Indoor unit EAN code</b>		8021183119190	8021183119206	8021183119213	8021183119213	8021183119220	
<b>Outdoor unit code</b>		OS-CANCH18EI	OS-CECAH24EI	OS-CANCH36EI	OS-CANCH36EI	OS-CECAT48EI	
<b>Outdoor unit EAN code</b>		8021183119053	8021183122220	8021183119077	8021183119084	8021183122237	
Output power in cooling mode (min/rated/max)		(1) kW	2,71/5,275/5,86	3,22/6,80/7,95	2,73/10,11/11,43	2,73/10,09/11,78	3,52/14,07/15,24
Output power in heating mode (min/rated/max)		(1) kW	2,42/5,56/9/6,30	2,72/7,62/8,50	2,78/11,72/12,78	2,81/11,71/12,78	4,1/16,12/17,59
Absorbed power in cooling mode (min/rated/max)		(1) kW	0,67/1,45/2,03	0,75/2,06/2,73	0,9/3,05/8/4,25	0,89/3,10/3/4,3	0,91/5/6,2
Absorbed power in heating mode (min/rated/max)		(1) kW	0,54/1,5/1,64	0,65/1,98/2,94	0,8/3,16/3,95	0,78/3,085/3,95	0,95/4,8/5,95
Absorption in cooling mode (min/nom/max)		(1) A	3,2/6/9	3,9/9/12,1	4,2/17/9	1,4/6,3/6,8	2,1/7,6/9,6
Absorption in heating mode (min/nom/max)		(1) A	2,7/6,6/7,3	3,5/8,7/10,6	3,5/15/17,5	1,3/5,4/6,2	2,2/7,4/9,2
EER		(1)	3,64	3,3	3,31	3,25	2,81
COP		(1)	3,71	3,85	3,71	3,8	3,36
Maximum power consumption in cooling mode		(2) kW	2,95	3,7	5	5	7,3
Maximum power consumption in heating mode		(3) kW	2,95	3,7	5	5	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	305	394	574	592	1377
Annual energy consumption in heating mode - Average season		(4) kWh/year	1400	2015	2937	3010	3920
Annual energy consumption in heating mode - Warmer season		(4) kWh/year	1400	1478	2800	2745	3157
Annual energy consumption in heating mode - Cold season		(4) kWh/year	/	/	/	/	/
Dehumidification capacity		(5) l/h	1,78	2,72	3,28	4,19	5,5
PROJECT LOADS (EN 14825)	Cooling	Pdesignc (4) kW	5,4	7,1	10,5	10,5	14,0
	Heating - Mid Season	Pdesignh (4) kW	4	5,9	8,6	8,6	11,2
	Heating - Hot season	Pdesignh (4) kW	5,1	5,7	10,0	10,2	11,5
	Heating - Cold Season	Pdesignh (4) kW	/	/	/	/	/
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER (4)	6,2	6,3	6,2	6,2	6,1
	Heating - Mid Season	SCOP (A) (4)	4	4,1	4	4	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)	57	63	64	64	68
	Sound pressure (silent/min/med/max)	(7) dB(A)	-36/41/43	23/37/46/50	-44/48/50	-44/47/50	35/43/49/51
	Indoor air flow rate in cooling mode (min/average/max)	m³/h	723-839-958	853/1023/1192	1504-1728-1955	1504-1728-1955	1600/1850/2100
	Indoor air flow rate in heating mode (min/average/max)	m³/h	723-839-958	853/1023/1192	1504-1728-1955	1504-1728-1955	1600/1850/2100
	Degree of protection of casing						
	Dimensions (WxHxD) (without packaging)	mm	1068x235x675	1068x235x675	1650x235x675	1650x235x675	1650x235x675
	Weight (without packaging)	kg	28,0	28,0	41,5	41,5	41,7
	Dimensions (WxHxD) (with packaging)	mm	1145x318x755	1145x318x755	1725x318x755	1725x318x755	1725x318x755
OUTDOOR UNIT	Weight (with packaging)	kg	33,3	33,1	48,0	48,0	48,5
	Sound power	LWA (6) dB(A)	65	69	68	70	73
	Sound pressure	(8) dB(A)	59	61	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
COOLING CIRCUIT	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
	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
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
	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 2,5 mm²	3 x 2,5 mm²	5 x 2,5 mm²
Indoor - Outdoor unit connection	Pipes	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 metre below the internal unit and 1 metre away from the front 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.