SPLIT AIR-TO-AIR HEAT PUMPS

NEXYA ENERGY

[E]

Size	**9, 12**
Energy class	**A+++**
Type	**monosplit**
Filtration	**antidust | activated carbons | catalysts**
Application	**residential**

High energy efficiency

Maximum optimization of energy consumption in both cooling (energy class A+++) and heating (A++ in average climate) to ensure efficient comfort in every season of the year.

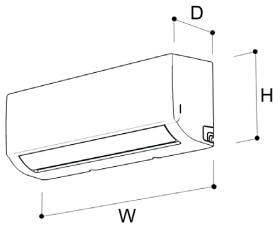
Healthier air, thanks to filtration and ionization

The air in the room is first filtered through a three-stage system that combines a pre-filter (with anti-dust function), an activated carbon filter, effective against odors, and a cold catalytic filter capable of reducing impurities. The air thus treated is subsequently charged with negative ions, which bind to residual pollutant particles, making them heavier and easier to remove on surfaces.

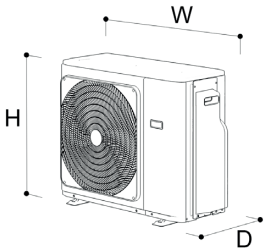
TECHNICAL INFO

- Golden Fin treatment on the battery of the outdoor unit, to prevent the corrosive action of atmospheric agents and improve performance efficiency.
- Wireless connectivity can be integrated by easily installing the USB flash drive, included in the indoor unit packaging.

DIMENSIONS AND WEIGHT



		9	12
W	mm	835	835
H	mm	295	295
D	mm	208	208
WEIGHT	kg	**8,7**	**8,7**



		9	12
W	mm	765	765
H	mm	555	555
D	mm	303	303
WEIGHT	kg	**26,7**	**26,7**

- **Cooling**
- **Heating**
- **Dehumidification**
- **Ventilation**
- **Auto Mode**
- **Auto-diagnosis**
- **Auto-restart**
- **Breeze Away**
- **Eco Mode**
- **Power Gear**
- **Ionizer**
- **Defrost**
- **Temperature Sensor**
- **Silent Mode**
- **Sleep Mode**
- **Sterilisation at 56°C**
- **Vertical and horizontal swing**
- **Timer**
- **Turbo Mode**

TECHNICAL DATA

					Nexya Energy E 9	Nexya Energy E 12
	Indoor unit code				OS-SEENH09EI	OS-SEENH12EI
	Outdoor unit code				OS-CEENH09EI	OS-CEENH12EI
	Product code				OS-C/SEENH09EI	OS-C/SEENH12EI
	EAN code				8021183118728	8021183118759
	Output power in cooling mode (min/rated/max)		(1)	kW	1,03/2,64/3,23	1,38/3,52/4,31
	Output power in heating mode (min/rated/max)		(1)	kW	0,82/2,93/3,37	1,07/3,81/4,38
	Absorbed power in cooling mode (min/rated/max)		(1)	kW	0,08/0,63/1,10	0,13/1,01/1,65
	Absorbed power in heating mode (min/rated/max)		(1)	kW	0,70/0,65/0,99	0,16/0,98/1,56
	Absorption in cooling mode (min/nom/max)		(1)	A	0,35/2,73/4,78	0,6/4,37/7,2
	Absorption in heating mode (min/nom/max)		(1)	A	0,32/2,83/4,32	0,7/4,24/6,78
	EER		(1)		4,2	3,5
	COP		(1)		4,5	3,9
	Maximum power consumption in cooling mode		(2)	kW	2,20	2,20
	Maximum power consumption in heating mode		(3)	kW	2,20	2,20
	Energy efficiency class in cooling		(4)		A+++	A+++
	Energy efficiency class in heating mode - Average season		(4)		A++	A++
	Energy efficiency class in heating mode - Warmer season		(4)		A+++	A+++
	Energy efficiency class in heating mode - Cold season		(4)		-	-
	Annual energy consumption in cooling mode		(4)	kWh/year	107	157
	Annual energy consumption in heating mode - Average season		(4)	kWh/year	744	797
	Annual energy consumption in heating mode - Warmer season		(4)	kWh/year	630	723
	Annual energy consumption in heating mode - Cold season		(4)	kWh/year	1891	1984
	Dehumidification capacity		(5)	l/h	1,5	1,5
PROJECT LOADS (EN 14825)	Cooling	Pdesignc	(4)	kW	2,6	3,5
PROJECT LOADS (EN 14825)	Heating - Mid Season	Pdesignh	(4)	kW	2,4	2,6
PROJECT LOADS (EN 14825)	Heating - Hot season	Pdesignh	(4)	kW	2,7	3,1
PROJECT LOADS (EN 14825)	Heating - Cold Season	Pdesignh	(4)	kW	3,0	3,3
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER	(4)		8,8	8,5
SEASONAL EFFICIENCY (EN14825)	Heating - Mid Season	SCOP (A)	(4)		4,6	4,6
SEASONAL EFFICIENCY (EN14825)	Heating - Hot season	SCOP (W)	(4)		6,0	6,0
SEASONAL EFFICIENCY (EN14825)	Heating - Cold Season	SCOP (C)	(4)		3,5	3,5
INDOOR UNIT	Sound power	LWA	(6)	dB(A)	54	55
INDOOR UNIT	Sound pressure (silent/min/med/max)		(7)	dB(A)	-/22/31/37	-/22/33/39
INDOOR UNIT	Indoor air flow rate in cooling mode (min/average/max)			m³/h	300/360/510	310/370/520
INDOOR UNIT	Indoor air flow rate in heating mode (min/average/max)			m³/h	300/360/510	310/370/520
INDOOR UNIT	Degree of protection of casing				/	/
INDOOR UNIT	Dimensions (WxHxD) (without packaging)			mm	835x295x208	835x295x208
INDOOR UNIT	Weight (without packaging)			kg	8,7	8,7
INDOOR UNIT	Dimensions (WxHxD) (with packaging)			mm	905x355x290	905x355x290
INDOOR UNIT	Weight (with packaging)			kg	11,5	11,3
OUTDOOR UNIT	Sound power	LWA	(6)	dB(A)	58	61
OUTDOOR UNIT	Sound pressure		(8)	dB(A)	54	54,5
OUTDOOR UNIT	Air flow rate			m³/h	2150	2200
OUTDOOR UNIT	Degree of protection of casing				IP24	IP24
OUTDOOR UNIT	Dimensions (WxHxD) (without packaging)			mm	765x555x303	765x555x303
OUTDOOR UNIT	Weight (without packaging)			kg	26,7	26,7
OUTDOOR UNIT	Dimensions (WxHxD) (with packaging)			mm	887x610x337	887x610x337
OUTDOOR UNIT	Weight (with packaging)			kg	29,1	29,1
COOLING CIRCUIT	Liquid connection pipeline diameter			inch - mm	1/4" - 6,35	1/4" - 6,35
COOLING CIRCUIT	Connecting gas pipeline diameter			inch - mm	3/8" - 9,52	3/8" - 9,52
COOLING CIRCUIT	Maximum piping length			m	25	25
COOLING CIRCUIT	Maximum height difference			m	10	10
COOLING CIRCUIT	Piping length covered by precharge			m	5	5
COOLING CIRCUIT	Piping recommended minimum length			m	3	3
COOLING CIRCUIT	Refrigerant increase (over 5 m of pipes)			g/m	12	12
COOLING CIRCUIT	Maximum operating pressure (High/Low side)			MPa	4,3/1,7	4,3/1,7
COOLING CIRCUIT	Refrigerant gas	Type	(9)		R32	R32
COOLING CIRCUIT	Global warming potential	GWP			675	675
COOLING CIRCUIT	Refrigerant gas charge			kg	0,62	0,62
ELECTRICAL CONNECTIONS	Indoor Unit Power Supply			V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50
ELECTRICAL CONNECTIONS	External Unit Power Supply			V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50
ELECTRICAL CONNECTIONS	Outdoor unit power supply connection	Pipes			3 x 2,5 mm2	3 x 2,5 mm2
ELECTRICAL CONNECTIONS	Indoor - Outdoor unit connection	Pipes			5 x 1,5 mm2	5 x 1,5 mm2
ELECTRICAL CONNECTIONS	Maximum Current			A	10,5	10,5

LIMITS OF OPERATING CONDITIONS

Outdoor environment	Operating temperatures in cooling mode (min/max)	- / DB 50°C	- / DB 50°C
Outdoor environment	Operating temperatures in heating mode (min/max)	DB -20°C / DB 24°C	DB -20°C / DB 24°C
Indoor environment	Operating temperatures in cooling mode (min/max)	DB 16°C / DB 32°C	DB 16°C / DB 32°C
Indoor environment	Operating temperatures in heating mode (min/max)	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 1 metre, centred with respect to the internal unit and 0.8 metres below it
(8) Test conditions: semi-anechoic chamber, unit positioned in free-field conditions, measuring instrument positioned at a distance of 1 metre at a height of 1 metre
(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.