

SPLIT AIR-TO-AIR HEAT PUMPS

# NEXYA

[S4 E]

Size	<b>9, 12, 18, 24</b>
Energy class	<b>A++</b>
Type	<b>monosplit</b>
Filtration	<b>antidust   activated carbons   catalysts</b>
Application	<b>residential</b>



## Air Quality Technology

To improve indoor air quality in home environments, the unit is equipped with a triple-stage filtration 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.

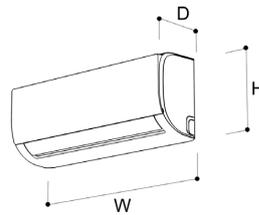
## High output, in every season of the year

It allows even the largest rooms to be air-conditioned all year round, delivering up to 7.9 kW of maximum output in both cooling and heating modes. Therefore, it is also ideal for integrating or replacing a gas heating system, electrifying and optimising energy consumption of the home.

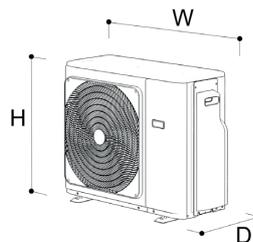
## TECHNICAL INFO

- Manual oscillation of horizontal airflow
- Golden Fin treatment on the outdoor unit battery to prevent corrosive weathering.
- Wireless connectivity can be integrated by easily installing the USB flash drive, included in the indoor unit packaging.

## DIMENSIONS AND WEIGHT



		9	12	18	24
W	mm	805	805	957	1040
H	mm	285	285	302	327
D	mm	194	194	213	220
WEIGHT	kg	7,6	7,6	10,0	12,3



		9	12	18	24
W	mm	720	720	805	890
H	mm	495	495	554	673
D	mm	270	270	330	342
WEIGHT	kg	23,2	23,2	32,7	42,9

- Cooling
- Heating
- Dehumidification
- Ventilation
- Auto Mode
- Auto-diagnosis
- Auto-restart
- Defrost
- Self Clean
- Temperature Sensor
- Silent Mode
- Sleep Mode
- Vertical swing
- Timer
- Turbo Mode



## TECHNICAL DATA

				Nexya S4 E Inverter 9 C	Nexya S4 E Inverter 12 C	Nexya S4 E Inverter 18 C	Nexya S4 E Inverter 24 C	
<b>Indoor unit code</b>				OS-SENEH09EI	OS-SENEH12EI	OS-SENEH18EI	OS-SENEH24EI	
<b>Outdoor unit code</b>				OS-KENEH09EI	OS-KENEH12EI	OS-KENEH18EI	OS-KENEH24EI	
<b>Product code</b>				OS-K/SENEH09EI	OS-K/SENEH12EI	OS-K/SENEH18EI	OS-K/SENEH24EI	
<b>EAN code</b>				8021183117462	8021183117479	8021183118803	8021183118810	
Output power in cooling mode (min/rated/max)				(1) kW	0,91/2,64/3,40	1,11/3,40/4,16	3,39/5,27/5,83	2,08/5,86/7,91
Output power in heating mode (min/rated/max)				(1) kW	0,82/2,93/3,37	1,09/3,68/4,22	3,14/4,97/5,85	1,61/6,0/7,91
Absorbed power in cooling mode (min/rated/max)				(1) kW	0,10/0,73/1,24	0,13/1,04/1,58	0,56/1,55/2,05	0,42/1,78/3,15
Absorbed power in heating mode (min/rated/max)				(1) kW	0,12/0,73/1,20	0,10/0,99/1,68	0,78/1,298/2	0,3/1,608/2,75
Absorption in cooling mode (min/nom/max)				(1) A	0,40/3,20/5,40	0,5/4,56/6,9	2,4/6,7/8,9	1,8/7,7/13,8
Absorption in heating mode (min/nom/max)				(1) A	0,50/3,20/5,20	0,4/4,35/6,9	3,4/5,64/8,7	1,3/6,99/12,2
EER				(1)	3,60	3,28	3,40	3,28
COP				(1)	4,00	3,72	3,83	3,73
Maximum power consumption in cooling mode				(2) kW	2,15	2,15	2,50	3,50
Maximum power consumption in heating mode				(3) kW	2,15	2,15	2,50	3,50
Energy efficiency class in cooling				(4)	A++	A++	A++	A++
Energy efficiency class in heating mode - Average season				(4)	A+	A+	A+	A+
Energy efficiency class in heating mode - Warmer season				(4)	A+++	A+++	A+++	A+++
Energy efficiency class in heating mode - Cold season				(4)	-	-	-	-
Annual energy consumption in cooling mode				(4) kWh/year	156	211	247	405
Annual energy consumption in heating mode - Average season				(4) kWh/year	910	945	1435	1818
Annual energy consumption in heating mode - Warmer season				(4) kWh/year	714	706	1208	1691
Annual energy consumption in heating mode - Cold season				(4) kWh/year	-	-	-	-
Dehumidification capacity				(5) l/h	1,0	1,2	1,6	2,4
PROJECT LOADS (EN 14825)	Cooling			Pdesignc (4) kW	2,8	3,6	5,2	7,0
	Heating - Mid Season			Pdesignh (4) kW	2,6	2,7	4,1	4,8
	Heating - Hot season			Pdesignh (4) kW	2,6	2,5	4,4	5,8
	Heating - Cold Season			Pdesignh (4) kW	-	-	-	-
SEASONAL EFFICIENCY (EN 14825)	Cooling			SEER (4)	6,3	6,1	7,4	6,1
	Heating - Mid Season			SCOP (A) (4)	4,0	4,0	4,0	4,0
	Heating - Hot season			SCOP (W) (4)	5,1	5,1	5,1	4,8
	Heating - Cold Season			SCOP (C) (4)	-	-	-	-
INDOOR UNIT	Sound power			LWA (6) dB(A)	54	55	56	59
	Sound pressure (silent/min/med/max)			(7) dB(A)	-25/32/39	-25/35/41	-26/36/42	-36/40/45
	Indoor air flow rate in cooling mode (min/average/max)			m³/h	325/360/466	314/430/547	540/680/840	662/817/980
	Indoor air flow rate in heating mode (min/average/max)			m³/h	325/360/466	314/430/625	540/680/840	662/817/980
	Degree of protection of casing				IPX0	IPX0	IPX0	IPX0
	Dimensions (WxHxD) (without packaging)			mm	805x285x194	805x285x194	957x302x213	1040x327x220
	Weight (without packaging)			kg	7,6	7,6	10,0	12,3
	Dimensions (WxHxD) (with packaging)			mm	870x365x270	870x365x270	1035x385x295	1120x405x315
	Weight (with packaging)			kg	9,7	9,8	13,0	15,8
OUTDOOR UNIT	Sound power			LWA (6) dB(A)	62	63	63	67
	Sound pressure			(8) dB(A)	55,5	56	56	59
	Air flow rate			m³/h	1750	1800	2100	3500
	Degree of protection of casing				IP24	IP24	IPX4	IPX4
	Dimensions (WxHxD) (without packaging)			mm	720x495x270	720x495x270	805x554x330	890x673x342
	Weight (without packaging)			kg	23,2	23,2	32,7	42,9
	Dimensions (WxHxD) (with packaging)			mm	835x540x300	835x540x300	915x615x370	995x740x398
	Weight (with packaging)			kg	25,0	25,0	35,4	45,9
COOLING CIRCUIT	Liquid connection pipeline diameter			inch - mm	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	3/8" - 9,52
	Connecting gas pipeline diameter			inch - mm	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7	5/8" - 15,9
	Maximum piping length			m	25	25	30	50
	Maximum height difference			m	10	10	20	25
	Piping length covered by precharge			m	5	5	5	5
	Piping recommended minimum length			m	3	3	3	3
	Refrigerant increase (over 5 m of pipes)			g/m	12	12	12	24
	Maximum operating pressure (High/Low side)			MPa	4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Refrigerant gas			Type (9)	R32	R32	R32	R32
	Global warming potential			GWP	675	675	675	675
ELECTRICAL CONNECTIONS	Refrigerant gas charge			kg	0,55	0,55	1,08	1,42
	Indoor Unit Power Supply			V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
	External Unit Power Supply			V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
	Outdoor unit power supply connection			Pipes	3 x 1,5 mm2	3 x 1,5 mm2	3 x 1,5 mm2	3 x 2,5 mm2
	Indoor - Outdoor unit connection			Pipes	5 x 1,5 mm2	5 x 1,5 mm2	5 x 1,5 mm2	5 x 2,5 mm2
Maximum Current				A	10,0	10,0	13,0	15,5

## 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 17°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 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.