NEW

SPLIT AIR-TO-AIR HEAT PUMPS

NEXYA
[S5 E]

Size	9, 12, 18, 24
Energy class	A++
Type	monosplit
Filtration	antidust | activated carbons | catalysts
Application	residential

Superior comfort, thanks to AI

Artificial intelligence, active in the Eco+ and Humidity Control functions, analyses the main variables affecting indoor comfort and automatically adjusts the internal parameters to reach the desired temperature, optimising consumption while maintaining ideal humidity levels.

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.

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.
- Remote control holder as standard.
- Bracket with pull-down structure for easy installation and disassembly for maintenance, allowing the indoor unit to be lifted while remaining fixed to the wall.
- Daily, weekly and monthly energy consumption monitoring via App.

DIMENSIONS AND WEIGHT
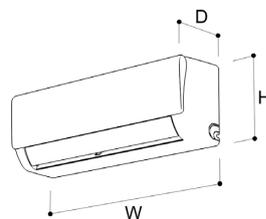
		9	12	18	24
W	mm	723	813	975	1055
H	mm	286	289	308	330
D	mm	199	201	218	231
WEIGHT	kg	7,0	8,0	10,4	12,4
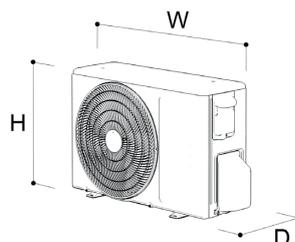
		9	12	18	24
W	mm	720	720	805	890
H	mm	495	495	554	673
D	mm	270	270	330	342
WEIGHT	kg	20,4	21,1	30,3	38,3

COMPATIBLE ACCESSORIES

B0999	Wireless control for radiators	NEW
B1234	Wireless 4-wire wall control	NEW
B1235	Multifunction interface kit	NEW

Cooling

Heating

Dehumidification

Ventilation

Auto Mode

Auto-diagnosis

Auto-restart

Children's Lock

Breeze Away

Eco+ Mode

Humidity Control

Power Gear

Defrost

Temperature Sensor

Silent Mode

Sleep Mode

Sterilisation at 56°C

Vertical swing

Timer

Turbo Mode

UNICO

NEXYA

SHERPA

BI2

SITALI

SIOS CONTROL

DOLCECLIMA

AQUARIA

TECHNICAL DATA

				NEW Nexya S5 E Inverter 9	NEW Nexya S5 E Inverter 12	NEW Nexya S5 E Inverter 18	NEW Nexya S5 E Inverter 24
Indoor unit code				OS-SANQH09EI	OS-SANQH12EI	OS-SANQH18EI	OS-SANQH24EI
Outdoor unit code				OS-CANQH09EI	OS-CANQH12EI	OS-CANQH18EI	OS-CANQH24EI
Product code				OS-C/SANQH09EI	OS-C/SANQH12EI	OS-C/SANQH18EI	OS-C/SANQH24EI
EAN code				8021183123715	8021183123746	8021183123777	8021183123807
Output power in cooling mode (min/rated/max)		(1)	kW	1,08/2,64/3,20	1,38/3,50/3,95	1,80/5,20/5,90	2,00/6,10/7,80
Output power in heating mode (min/rated/max)		(1)	kW	0,76/2,93/3,60	1,07/3,81/4,30	1,30/5,40/6,10	1,60/6,74/7,80
Absorbed power in cooling mode (min/rated/max)		(1)	kW	0,07/0,76/1,26	0,12/ 1,08/1,35	0,14/ 1,60/2,10	0,42/ 1,89/3,90
Absorbed power in heating mode (min/rated/max)		(1)	kW	0,12/0,73/1,16	0,11/ 1,01/1,25	0,22/1,39/1,70	0,30/ 1,82/2,50
Absorption in cooling mode (min/nom/max)		(1)	A	0,65/5,20/5,60	0,50/5,10/6,10	0,60/7,10/9,30	1,80/8,30/19,00
Absorption in heating mode (min/nom/max)		(1)	A	0,95/3,30/5,20	0,50/4,60/5,50	0,90/6,10/7,60	1,30/7,90/11,10
EER		(1)		3,45	3,23	3,25	3,23
COP		(1)		4,00	3,77	3,88	3,71
Maximum power consumption in cooling mode		(2)	kW	2,2	2,2	2,8	3,9
Maximum power consumption in heating mode		(3)	kW	2,2	2,2	2,8	3,9
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	121	164	246	377
Annual energy consumption in heating mode - Average season		(4)	kWh/year	769	934	1400	1639
Annual energy consumption in heating mode - Warmer season		(4)	kWh/year	673	726	1318	1373
Annual energy consumption in heating mode - Cold season		(4)	kWh/year	-	-	-	-
Dehumidification capacity		(5)	l/h	1,1	0,9	2,0	2,9

PROJECT LOADS (EN 14825)

				9	12	18	24
Cooling	Pdesignc	(4)	kW	2,6	3,5	5,2	7,0
Heating - Mid Season	Pdesignh	(4)	kW	2,3	2,8	4,1	4,8
Heating - Hot season	Pdesignh	(4)	kW	2,5	2,8	4,6	5,0
Heating - Cold Season	Pdesignh	(4)	kW	-	-	-	-

SEASONAL EFFICIENCY (EN14825)

				9	12	18	24
Cooling	SEER	(4)		7,5	7,5	7,4	6,5
Heating - Mid Season	SCOP (A)	(4)		4,2	4,2	4,1	4,1
Heating - Hot season	SCOP (W)	(4)		5,2	5,4	5,1	5,1
Heating - Cold Season	SCOP (C)	(4)		-	-	-	-

INDOOR UNIT

				9	12	18	24
Sound power	LWA	(6)	dB(A)	🔊 54	🔊 56	🔊 58	🔊 60
Sound pressure (silent/min/med/max)		(7)	dB(A)	20/24/34/38	20/25/32/38	20/34/36/43	20/36/38/40
Indoor air flow rate in cooling mode (min/average/max)			m³/h	285/360/510	370/450/650	462/568/850	606/725/1039
Indoor air flow rate in heating mode (min/average/max)			m³/h	285/360/510	370/450/650	462/568/850	606/725/1039
Degree of protection of casing				-	-	-	-
Dimensions (WxHxD) (without packaging)			mm	723x286x199	813x289x201	975x308x218	1055x330x231
Weight (without packaging)			kg	7,0	8,0	10,4	12,4
Dimensions (WxHxD) (with packaging)			mm	780x343x265	870x343x265	1050x365x285	1125x405x310
Weight (with packaging)			kg	9,2	10,3	13,4	15,9

OUTDOOR UNIT

				9	12	18	24
Sound power	LWA	(6)	dB(A)	🔊 59	🔊 62	🔊 65	🔊 68
Sound pressure		(8)	dB(A)	54	56	57	60
Air flow rate			m³/h	1750	1750	2100	3500
Degree of protection of casing				-	-	-	-
Dimensions (WxHxD) (without packaging)			mm	720x495x270	720x495x270	805x554x330	890x673x342
Weight (without packaging)			kg	20,4	21,1	30,3	38,3
Dimensions (WxHxD) (with packaging)			mm	835x540x300	835x540x300	915x615x370	995x740x398
Weight (with packaging)			kg	22,3	23,0	32,3	41,5

COOLING CIRCUIT

				9	12	18	24
Liquid connection pipeline diameter			inch - mm	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	1/4" - 6,35
Connecting gas pipeline diameter			inch - mm	3/8" - 9,52	3/8" - 9,52	1/2" - 12,7	1/2" - 12,7
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	12
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
Refrigerant gas charge			kg	0,46	0,58	0,80	0,95

ELECTRICAL CONNECTIONS

				9	12	18	24
Indoor Unit Power Supply			V/F/Hz	230 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
External Unit Power Supply			V/F/Hz	230 / 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	10	13	19

LIMITS OF OPERATING CONDITIONS

		9	12	18	24
Outdoor environment	Operating temperatures in cooling mode (min/max)	- / DB 50°C	- / DB 50°C	- / DB 50°C	- / DB 50°C
	Operating temperatures in heating mode (min/max)	DB -20°C / DB 24°C	DB -20°C / DB 24°C	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	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

(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.