

SPLIT HEAT PUMP AIR CONDITIONERS

LYBEX

[E]

Size	9, 12
Energy class	A+++
Type	monosplit
Filtration	antidust
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.

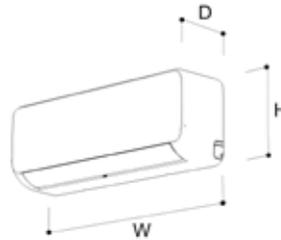
Matt finishing

Total white indoor unit with matte finish, which helps harmonize the air conditioner with the wall behind it.

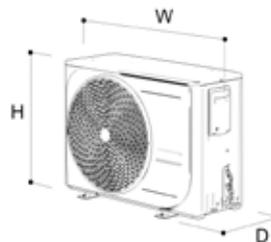
TECHNICAL INFO

- Manual oscillation of horizontal airflow.
- Golden Fin treatment on the outdoor unit battery to prevent corrosive weathering.

DIMENSIONS AND WEIGHT



		9	12
W	mm	820	820
H	mm	300	300
D	mm	200	200
WEIGHT	kg	9,5	9,5



		9	12
W	mm	812	812
H	mm	540	540
D	mm	314	314
WEIGHT	kg	24,0	24,0

-  **Cooling**
-  **Heating**
-  **Dehumidification**
-  **Ventilation**
-  **Auto Mode**
-  **Auto-diagnosis**
-  **Auto-restart**
-  **Children's Lock**
-  **Eco Mode**
-  **Defrost**
-  **Self Clean**
-  **Silent Mode**
-  **Sleep Mode**
-  **Vertical swing**
-  **Timer**
-  **Turbo Mode**

COMPATIBLE ACCESSORIES

80999 | Wireless control for radiators 



TECHNICAL DATA

			Alysea E Inverter 9	Alysea E Inverter 12	Lybex E Inverter 9	Lybex E Inverter 12	
Indoor unit code			OS-SEAAH09EI	OS-SEAAH12EI	OS-SELIH09EI	OS-SELIH12EI	
Indoor unit EAN code			8021183121148	8021183121179	8021183122787	8021183122817	
Outdoor unit code			OS-CEAAH09EI	OS-CEAAH12EI	OS-CELIH09EI	OS-CELIH12EI	
Outdoor unit EAN code			8021183121155	8021183121186	8021183122794	8021183122824	
Product code			OS-C/SEAAH09EI	OS-C/SEAAH12EI	OS-C/SELIH09EI	OS-C/SELIH12EI	
EAN code			8021183121131	8021183121162	8021183122770	8021183122800	
Output power in cooling mode (min/rated/max)			(1) kW	0,8/2,63/3,5	1/3,53/4	0,3/2,6/3,7	0,3/3,5/4,2
Output power in heating mode (min/rated/max)			(1) kW	1,0/2,83/3,9	1/3,8/4,5	0,3/2,6/4,2	0,3/3,5/4,6
Absorbed power in cooling mode (min/rated/max)			(1) kW	0,24/0,649/1,5	0,29/0,895/1,65	0,15/0,55/1,3	0,15/0,87/1,4
Absorbed power in heating mode (min/rated/max)			(1) kW	0,24/0,665/1,615	0,29/0,969/1,93	0,15/0,5/1,25	0,15/0,78/1,43
Absorption in cooling mode (min/nom/max)			(1) A	1,2/3,8/7	1,5/4,7/9,2	0,8/2,5/5,8	0,8/3,9/6,2
Absorption in heating mode (min/nom/max)			(1) A	1,2/4/7,5	1,5/5,1/10	0,8/2,3/5,6	0,8/3,5/6,4
EER			(1)	4,05	3,94	4,73	4,02
COP			(1)	4,25	3,92	5,2	4,49
Maximum power consumption in cooling mode			(2) kW	1,5	1,65	1,7	1,9
Maximum power consumption in heating mode			(3) kW	1,62	1,93	1,7	1,9
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)	A	A	-	-
Annual energy consumption in cooling mode			(4) kWh/year	107	144	106	142
Annual energy consumption in heating mode - Average season			(4) kWh/year	639	761	718	964
Annual energy consumption in heating mode - Warmer season			(4) kWh/year	631	769	676	890
Annual energy consumption in heating mode - Cold season			(4) kWh/year	1792	2162	-	-
Dehumidification capacity			(5) l/h	1	1,2	0,9	0,9
PROJECT LOADS (EN 14825)	Cooling	Pdesigngc	(4) kW	2,6	3,5	2,6	3,5
	Heating - Mid Season	Pdesigngh	(4) kW	2,1	2,5	2,4	3,2
	Heating - Hot season	Pdesigngh	(4) kW	2,3	2,8	2,5	3,3
	Heating - Cold Season	Pdesigngh	(4) kW	2,9	3,5	-	-
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER	(4)	8,5	8,5	8,5	8,5
	Heating - Mid Season	SCOP (A)	(4)	4,6	4,6	4,6	4,6
	Heating - Hot season	SCOP (W)	(4)	5,1	5,1	5,1	5,1
	Heating - Cold Season	SCOP (C)	(4)	3,4	3,4	-	-
INDOOR UNIT	Sound power	LWA	(6) dB(A)	51	51	47	51
	Sound pressure (silent/min/med/max)		(7) dB(A)	22/27/33/38	22/27/33/38	21/27/32/37	22/28/34/41
	Indoor air flow rate in cooling mode (min/average/max)		m³/h	482/542/596	481/542/602	350/450/550	450/550/650
	Indoor air flow rate in heating mode (min/average/max)		m³/h	432/492/553	451/524/608	400/500/600	500/600/700
	Degree of protection of casing			IPX0	IPX0	-	-
	Dimensions (WxHxD) (without packaging)		mm	888x313x205	888x313x205	820x300x200	820x300x200
	Weight (without packaging)		kg	10,5	11,0	9,5	9,5
OUTDOOR UNIT	Dimensions (WxHxD) (with packaging)		mm	988x389x328	988x389x328	892x362x270	892x362x270
	Weight (with packaging)		kg	12,5	13,0	11,0	11,0
	Sound power	LWA	(6) dB(A)	60	61	61	61
	Sound pressure		(8) dB(A)	50	51	51	51
	Air flow rate		m³/h	1900	2200	1400	2000
	Degree of protection of casing			IPX4	IPX4	IPX4	IPX4
	Dimensions (WxHxD) (without packaging)		mm	777x498x290	795x549x305	812x540x314	812x540x314
COOLING CIRCUIT	Weight (without packaging)		kg	20,5	24,5	24,0	24,0
	Dimensions (WxHxD) (with packaging)		mm	838x540x338	852x600x358	850x592x347	850x592x347
	Weight (with packaging)		kg	23,5	26,5	28,0	28,0
	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	3/8"-9,52	3/8"-9,52
	Maximum piping length		m	25	25	15	15
	Maximum height difference		m	10	10	5	5
	Piping length covered by precharge		m	5	5	5	5
	Piping recommended minimum length		m	5	5	5	5
	Refrigerant increase (over 5 m of pipes)		g/m	15	15	15	15
ELECTRICAL CONNECTIONS	Maximum operating pressure (High/Low side)		MPa	3,7/1,2	3,7/1,2	4,2/1,2	4,2/1,2
	Refrigerant gas	Type	(9)	R32	R32	R32	R32
	Global warming potential	GWP		675	675	675	675
	Refrigerant gas charge		kg	0,51	0,605	0,51	0,58
	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 1,0 mm2	3 x 1,0 mm2	3 x 1,0 mm2	3 x 1,0 mm2
	Indoor - Outdoor unit connection	Pipes		4 x 1,0 mm2	4 x 1,0 mm2	4 x 1,0 mm2	4 x 1,0 mm2
	Maximum Current		A	7,5	10	7,8	8,5

LIMITS OF OPERATING CONDITIONS

Environment	Operating temperatures in cooling mode (min/max)	- / DB 53°C	- / DB 53°C	- / DB 46°C	- / DB 46°C
Outdoor environment	Operating temperatures in heating mode (min/max)	DB -20°C / DB 30°C	DB -20°C / DB 30°C	DB -15°C / DB 27°C	DB -15°C / DB 27°C
Indoor environment	Operating temperatures in cooling mode (min/max)	DB 17°C / DB 32°C	DB 17°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			

(1) The data refers to the EN 14511 Standard

(2) Cooling test conditions: indoor temperature DB 32°C - WB 23°C Alysea E models, DB 32°C - WB 23°C Lybex E models; outdoor temperature DB 48°C-WB 34°C Alysea E models, DB 46°C-WB 26°C Lybex E models

(3) Heating test conditions: indoor temperature DB 20°C - WB 15°C Alysea E models, DB 27°C Lybex E models; outdoor temperature DB -15°C Alysea E models, outdoor temperature DB 3°C - WB 2°C Lybex E models

(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.