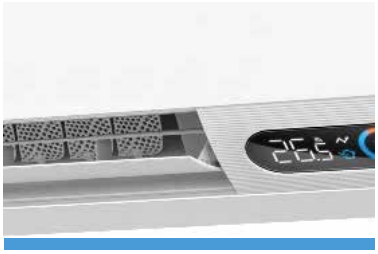
ALYSEA E

The monosplit inverter specialised in indoor climates



HIGH EFFICIENCY

High-performance R32 refrigerant gas with maximum technological efficiency, up to energy class A+++.

FRESH AIR TECHNOLOGY

Fresh air with a flow rate of 60 m3/h capable of purifying a 36 m³ room in 36 minutes.

ADVANCED FILTRATION AND QUALITY DISPLAY

The fresh air passes through 4 layers of filtration and the display shows the air quality in the room in real time, detecting volatile organic compounds PM 2.5

STERILISATION AT 56°C

High temperature sterilisation cycles of the evaporator to prevent bacteria from forming and to improve the quality of air.

FEATURES

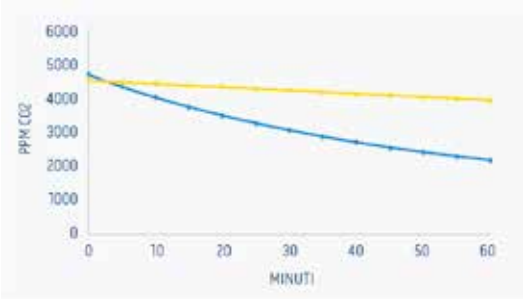
High-performance inverter technology and coolant gas R32
Energy efficiency class A+++ in cooling (on a range between A+++ and D)
Remote control supplied
Golden Fin treatment on the battery of the outdoor unit, to prevent the corrosive action of atmospheric agents and improve performance efficiency.

FUNCTIONS

Cooling, heating, dehumidification and ventilation
Timer, Auto, Eco, Sleep, Silent, Turbo functions and Auto-Restart
4 levels of filtration: primary filter, high density filter, Hepa11 filter, silver ion filter.
Follow Me function: precise temperature detection in the point where the remote control is located.
Gentle Wind function: gentle airflow to avoid direct drafts thanks to 1100 microholes on the inner fins.
Swing function: Automatically adjusts airflow (horizontal and vertical).
Auto-Diagnosis function: in the event of a failure, the display shows the error code.
Filter cleaning alarm: the display shows the filter replacement and cleaning alarm.
Smart Light Sensor: once the room light is turned off, the display automatically turns off.

FRESH AIR TECHNOLOGY

Alysea is the air conditioner that allows you to renew the air in a room, introducing air from outside. The inlet hole allows an air flow rate of 60m3/h, which is cooled or heated to maintain the temperature set inside the room. Compared to a traditional air conditioner, Alysea significantly reduces the concentration of CO2 and pollutants dispersed in the air.
Picture on the right: reduction in the concentration of Co2, thanks to the Fresh Air technology, compared to a traditional air conditioning technology.



TRADITIONAL AIR CONDITIONER
AIR CONDITIONER WITH FRESH AIR TECHNOLOGY

4 filtration stages
Thanks to an advanced filtration system, Alysea purifies the fresh air and the air in the room with an efficiency of over 99% on bacteria and of 94% on ultrafine particles (PM 2.5).

Realtime Quality Display
With Alysea the indoor air quality is always under control. Through the colour display, it is possible to view, in real time and intuitively, the concentration of pollutants dispersed in the air.

Sterilisation at 56°C
Alysea subjects the evaporator to high-temperature defrosting, thawing and drying cycles to eliminate dust, dirt and other impurities from the internal unit, potentially harmful if dispersed into the air through the air conditioner.

Gentle Wind Function
Thanks to the Gentle Wind function and to the 1,100 micro holes on the internal fins, it is possible to avoid the classic direct air jet, ensuring the home climate is pleasant even in the most delicate situations, such as in bedrooms or in the presence of children

INSTALLATION

First installation method
With rear outlet to the internal unit, positioned on the perimeter wall of the room, with two 70 mm diameter holes intersecting each other.

Second installation method
Side outlet (right or left) to the internal unit, towards the perimeter wall, with a single 70 mm hole.

Tutorial video

Insight

						NEW	NEW
				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)		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)		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)		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)		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
	Current consumption in cooling mode (min/rated/max)		A	1,2/3,8/7	1,5/4,7/9,2	0,8/2,5/5,8	0,8/3,9/6,2
	Current consumption in heating mode (min/rated/max)		A	1,2/4/7,5	1,5/5,1/10	0,8/2,3/5,6	0,8/3,5/6,4
	EER			4,05	3,94	4,73	4,02
	COP			4,25	3,92	5,2	4,49
	Maximum power consumption in cooling mode		kW	1,5	1,65	1,7	1,9
	Maximum power consumption in heating mode		kW	1,62	1,93	1,7	1,9
	Energy efficiency class in cooling			A+++	A+++	A+++	A+++
	Energy efficiency class in heating mode - Average season			A++	A++	A++	A++
	Energy efficiency class in heating mode - Warmer season			A+++	A+++	A+++	A+++
	Energy efficiency class in heating mode - Cold season			A	A	-	-
	Energy consumption in cooling mode		kWh/year	107	144	106	142
	Annual energy consumption in heating mode - Average season		kWh/year	639	761	718	964
	Annual energy consumption in heating mode - Warmer season		kWh/year	631	769	676	890
	Annual energy consumption in heating mode - Cold season		kWh/year	1792	2162	-	-
	Dehumidification capacity		l/h	1	1,2	0,9	0,9
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	2,6	3,5	2,6	3,5
	Heating / Average	Pdesignh	kW	2,1	2,5	2,4	3,2
	Heating / Warmer	Pdesignh	kW	2,3	2,8	2,5	3,3
	Heating / Colder	Pdesignh	kW	2,9	3,5	-	-
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		8,5	8,5	8,5	8,5
	Heating / Average	SCOP (A)		4,6	4,6	4,6	4,6
	Heating / Warmer	SCOP (W)		5,1	5,1	5,1	5,1
	Heating / Colder	SCOP (C)		3,4	3,4	-	-
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	51	51	47	51
	Sound pressure (max/med/min/silence)		dB(A)	38/33/27/22	38/33/27/22	37/32/27/21	41/34/28/22
	Air flow rate in cooling mode (max/med/min)		m³/h	596/542/482	602/542/481	550/450/350	650/550/450
	Air flow rate in heating mode (max/med/min)		m³/h	553/492/432	608/524/451	600/500/400	700/600/500
	Degree of protection			IPX0	IPX0	-	-
	Dimensions (WxHxD) (without packaging)		mm	888x313x205	888x313x205	820x300x200	820x300x200
	Weight (without packaging)		kg	10,5	11	9,5	9,5
	Dimensions (WxHxD) (with packaging)		mm	988x389x328	988x389x328	892x362x270	892x362x270
	Weight (with packaging)		kg	12,5	13	11,0	11,0
OUTDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	60	61	61	61
	Sound pressure		dB(A)	50	51	51	51
	Air flow rate (max)		m³/h	1900	2200	1400	2000
	Degree of protection			IPX4	IPX4	IPX4	IPX4
	Dimensions (WxHxD) (without packaging)		mm	777x498x290	795x549x305	812x540x314	812x540x314
	Weight (without packaging)		kg	20,5	24,5	24	24
	Dimensions (WxHxD) (with packaging)		mm	838x540x338	852x600x358	850x592x347	850x592x347
	Weight (with packaging)		kg	23,5	26,5	28	28
COOLING CIRCUIT	Connecting liquid 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
	Covered piping length from pre-load		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
	Maximum operating pressure		MPa	3,7/1,2	3,7/1,2	4,2/1,2	4,2/1,2
	Refrigerant gas*	Type	Type	R32	R32	R32	R32
	Global warming potential	GWP		675	675	675	675
	Refrigerant gas charge		kg	0,51	0,605	0,51	0,58
ELECTRICAL CONNECTIONS	Supply voltage indoor unit		V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
	Supply voltage outdoor unit		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
	Max Current		A	7,5	10	7,8	8,5

LIMITS OF OPERATING CONDITIONS

Indoor ambient temperature	**Maximum temperature in cooling**	DB 32°C	DB 32°C
	Minimum temperature in cooling	DB 17°C	DB 16°C
	Maximum temperature in heating	DB 30°C	DB 30°C
	Minimum temperature in heating	DB 0°C	DB 0°C
Outdoor ambient temperature	**Maximum temperature in cooling**	DB 53°C	DB 46°C
	Minimum temperature in cooling	-	-
	Maximum temperature in heating	DB 30°C	DB 27°C
	Minimum temperature in heating	DB -20°C	DB -15°C

The declared data relate to the conditions provided for in EN 14511, EN 14825 and EU Delegated Regulation 626/2011. 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.
*Non-hermetically sealed equipment containing fluorinated gas with GWP equivalent to 675.
Energy efficiency classes refer to a range between A+++ and D.