

**SPLIT HEAT PUMP AIR CONDITIONERS**

# ALYSEA

[E]

Size	<b>9, 12</b>
Energy class	<b>A+++</b>
Type	<b>monosplit</b>
Filtration	<b>antidust   high density   HEPA 11   silver ions</b>
Application	<b>residential</b>



## Fresh Air Technology

It allows the air in a room to be renewed by bringing in air from outside. The inlet hole allows an air flow rate of 60m³/h that is cooled or heated to maintain the set temperature inside the room. Compared with a conventional air conditioner, it significantly reduces the concentration of Co2 and pollutants in the air.

## 4 stages of filtration and air control display

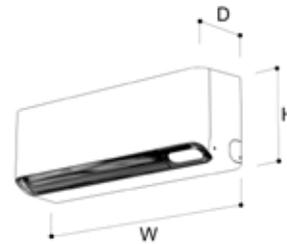
Thanks to an advanced filtration system (primary, high-density, HEPA 11 and silver ion filter), it purifies the fresh air and the air in the room with an effectiveness of more than 99% on bacteria and 94% on ultrafine particles (PM 2.5). Air quality is also always under control through the color display that shows, in real time, the concentration of airborne pollutants and automatically turns off once the light inside the room is turned off.

### TECHNICAL INFO

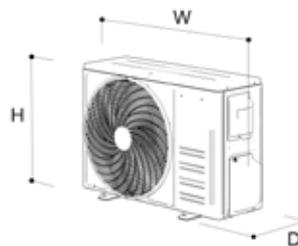
- Golden Fin treatment on the outdoor unit battery to prevent corrosive weathering.



### DIMENSIONS AND WEIGHT



		9	12
W	mm	888	888
H	mm	313	313
D	mm	205	205
WEIGHT	kg	10,5	11,0



		9	12
W	mm	777	795
H	mm	498	549
D	mm	290	305
WEIGHT	kg	20,5	24,5

-  **Cooling**
-  **Heating**
-  **Dehumidification**
-  **Ventilation**
-  **Auto Mode**
-  **Auto-diagnosis**
-  **Auto-restart**
-  **Eco Mode**
-  **Fresh Air**
-  **Gentle Wind**
-  **Defrost**
-  **Filter Cleaning Signal**
-  **Smart Light Sensor**
-  **Temperature Sensor**
-  **Silent Mode**
-  **Sleep Mode**
-  **Sterilisation at 56°C**
-  **Vertical and horizontal swing**
-  **Timer**
-  **Turbo Mode**

### COMPATIBLE ACCESSORIES

80999 | Wireless control for radiators 

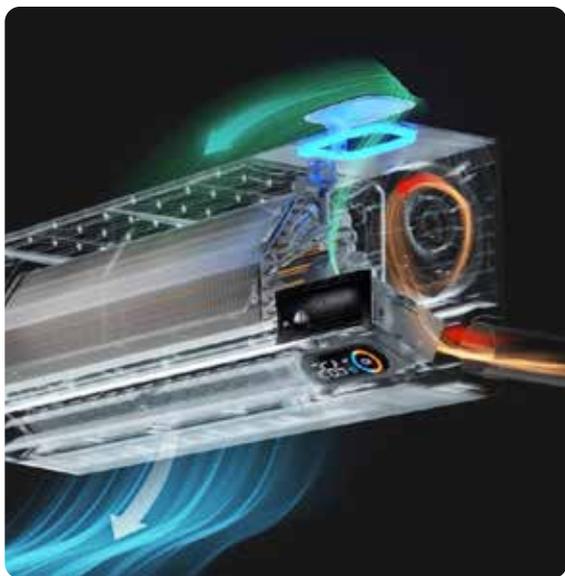
# Operation and installation

Alysea allows external air to be introduced through a specific air renewal inlet, which can be positioned at the back or side of the internal unit



Watch the installation video on Youtube

UNICO



## Fresh air supplied from outside

Good indoor air quality is an integral part of a comfortable, healthy and safe home. The Italian National Institute of Health (Istituto Superiore di Sanità) and leading scientific experts agree on the importance of introducing fresh outdoor air into indoor spaces to reduce the concentration of pollutants dispersed in the air.

Thanks to its innovative Fresh Air technology, Alysea allows outdoor air intake - with a flow rate of 60m<sup>3</sup>/h - through a dedicated fresh air inlet that can be positioned either at the rear of the internal unit (in the case of installation on the perimeter wall) or on the side (in the case of installation on the internal wall).

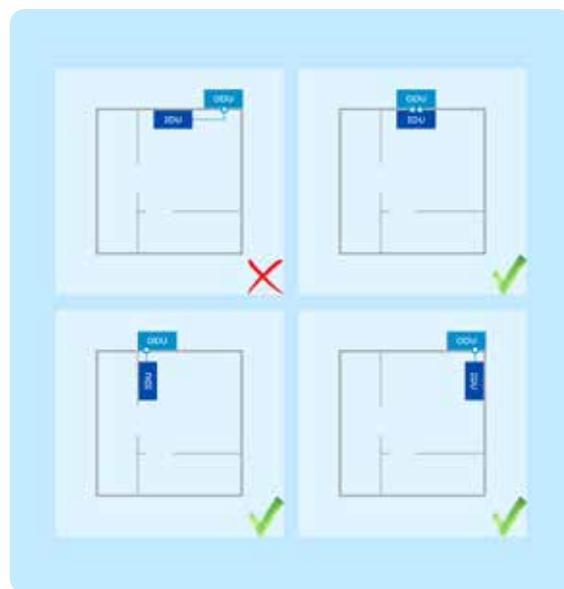
SPLIT

## Recommended installation methods

Alysea can be installed in two different configurations. If the internal unit is placed on a perimeter wall of the room, it is possible to make the rear exit (behind the unit itself) for the two pipes (refrigerant and air renewal) by creating two 70 mm diameter holes intersecting each other (overall dimensions 105 mm).

Alternatively, the two pipes (refrigerant and fresh air) can exit laterally towards the perimeter wall, either to the right or left, by creating a single hole with a diameter of 70 mm. In these cases, the distance between the perimeter wall and the fresh air connection of the internal unit must not exceed 1.7 m (the sum of the lengths of the extensions).

For more details, consult the additional installation specifications in the download area of the website [Olimpiasplendid.it](http://Olimpiasplendid.it)



DOLCECLIMA

## Advanced air quality monitoring

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. And activate the air conditioner as soon as the air quality decreases. For air that is always fresh and purified.

PELER

## TECHNICAL DATA

			Alysea E Inverter 9	Alysea E Inverter 12	Lybex E Inverter 9	Lybex E Inverter 12	
<b>Indoor unit code</b>			OS-SEAAH09EI	OS-SEAAH12EI	OS-SELIH09EI	OS-SELIH12EI	
<b>Indoor unit EAN code</b>			8021183121148	8021183121179	8021183122787	8021183122817	
<b>Outdoor unit code</b>			OS-CEAAH09EI	OS-CEAAH12EI	OS-CELIH09EI	OS-CELIH12EI	
<b>Outdoor unit EAN code</b>			8021183121155	8021183121186	8021183122794	8021183122824	
<b>Product code</b>			OS-C/SEAAH09EI	OS-C/SEAAH12EI	OS-C/SELIH09EI	OS-C/SELIH12EI	
<b>EAN code</b>			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.