

SPLIT HEAT PUMP AIR CONDITIONERS

ARYAL MULTISPLIT

[I-PHENIX]

Size	14, 18, 21
Energy class	A++
Type	multisplit
Filtration	antidust activated carbons catalysts
Application	residential



Modular system

Available in dual and trial versions to air condition up to 3 rooms with a single external motor, the system is modular: systems can be designed by selecting the right size according to the thermal load of the system. At Olimpiasplesndid.it you can check the combinations that qualify for incentives.

Healthier air, thanks to triple filtration and ionization

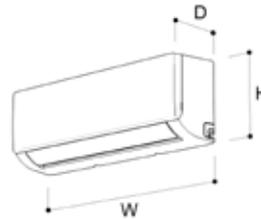
The air in the room is first filtered through a triple-stage system that combines the pre-filter (with anti-dust function), an activated carbon filter, effective against bad odors, and a cold catalytic filter capable of reducing impurities. For even purer and healthier air, the ionizer also comes into action: thanks to negative ions, it neutralizes residual pollutant particles, making them heavier and easier to eliminate for a cleaner environment.

TECHNICAL INFO

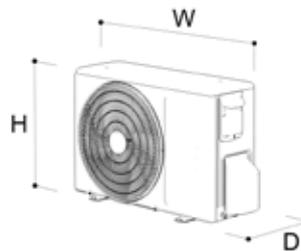
- Golden Fin treatment on the outdoor unit battery to prevent corrosive weathering.
- Wireless connectivity can be integrated by easily installing the USB flash drive, included in the indoor unit packaging.



DIMENSIONS AND WEIGHT



		9	12
W	mm	835	835
H	mm	295	295
D	mm	208	208
WEIGHT	kg	8,7	8,7



		14	18	21
W	mm	805	805	890
H	mm	554	554	673
D	mm	330	330	342
WEIGHT	kg	31,6	35,0	43,3

-  **Cooling**
-  **Heating**
-  **Dehumidification**
-  **Ventilation**
-  **Auto Mode**
-  **Auto-diagnosis**
-  **Auto-restart**
-  **Ionizer**
-  **Defrost**
-  **Temperature Sensor**
-  **Sleep Mode**
-  **Vertical and horizontal swing**
-  **Timer**
-  **Turbo Mode**

TECHNICAL DATA

				UE Aryal S2 E Dual Inverter 14	UE Aryal S2 E Dual Inverter 18	UE Aryal S2 E Trial Inverter 21	
Outdoor unit code				OS-CAAMH14EI	OS-CAAMH18EI	OS-CAAMH21EI	
Outdoor unit EAN code				8021183119282	8021183119299	8021183119305	
	Output power in cooling mode (min/rated/max)	(1)	kW	1,47/4,1/4,98	2,29/5,28/6,41	1,99-6,15-7,53	
	Output power in heating mode (min/rated/max)	(1)	kW	1,61/4,4/5,12	2,40/5,57/6,71	1,99-6,45-7,75	
	Absorbed power in cooling mode (min/rated/max)	(1)	kW	0,1/1,27/1,6	0,69/1,64/2	0,52-1,91-2,23	
	Absorbed power in heating mode (min/rated/max)	(1)	kW	0,22/1,19/1,45	0,6/1,5/1,75	0,56-1,74-2,15	
	Absorption in cooling mode (min/nom/max)	(1)	A	0,43/5,52/6,96	3/7,13/8,7	2,26-8,3-9,70	
	Absorption in heating mode (min/nom/max)	(1)	A	0,96/5,17/6,3	2,6/6,52/7,61	2,43-7,57-9,34	
	EER	(1)		3,23	3,23	3,23	
	COP	(1)		3,71	3,71	3,71	
	Maximum power consumption in cooling mode	(2)	kW	2,75	3,05	3,91	
	Maximum power consumption in heating mode	(3)	kW	2,75	3,05	3,91	
	Energy efficiency class in cooling	(4)		A++	A++	A++	
	Energy efficiency class in heating mode - Average season	(4)		A+	A+	A+	
	Energy efficiency class in heating mode - Warmer season	(4)		A+++	A+++	A+++	
	Energy efficiency class in heating mode - Cold season	(4)		-	-	-	
	Annual energy consumption in cooling mode	(4)	kWh/year	202	253	300	
	Annual energy consumption in heating mode - Average season	(4)	kWh/year	1302	1473	1773	
	Annual energy consumption in heating mode - Warmer season	(4)	kWh/year	1145	1387	1385	
	Annual energy consumption in heating mode - Cold season	(4)	kWh/year	-	-	-	
PROJECT LOADS (EN 14825)	Cooling	Pdesignch	(4)	kW	4,2	5,4	6,5
	Heating - Mid Season	Pdesignh	(4)	kW	4,0	4,6	5,6
	Heating - Hot season	Pdesignh	(4)	kW	4,4	5,1	5,7
	Heating - Cold Season	Pdesignh	(4)	kW	-	-	-
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER	(4)		7,4	7,5	7,6
	Heating - Mid Season	SCOP (A)	(4)		4,3	4,4	4,4
	Heating - Hot season	SCOP (W)	(4)		5,3	5,2	5,8
	Heating - Cold Season	SCOP (C)	(4)		-	-	-
OUTDOOR UNIT	Dimensions (WxHxD) (without packaging)		mm	805x554x330	805x554x330	890x673x342	
	Weight (without packaging)		kg	31,6	35,0	43,3	
	Dimensions (WxHxD) (with packaging)		mm	915x615x370	915x615x370	1030x750x438	
	Weight (with packaging)		kg	34,7	38,0	47,1	
	Air flow rate		m³/h	2100	2100	3000	
	Sound Pressure		dB(A)	56	56	58	
	Sound power	LWA	(5)	dB(A)	64	65	65
COOLING CIRCUIT	Liquid connection pipeline diameter		nr inch-mm	2 x 1/4"-6,35	2 x 1/4"-6,35	3 x 1/4"-6,35	
	Connecting gas pipeline diameter		nr inch-mm	2 x 3/8"-9,52	2 x 3/8"-9,52	3 x 3/8"-9,52	
	Piping length covered by precharge		m	15	15	22,5	
	Piping recommended minimum length		m	3	3	3	
	Maximum piping length (overall)		m	40	40	60	
	Maximum pipeline length (single pipeline branch)		m	25	25	30	
	Additional refrigerant		g/m	12	12	12	
	Maximum elevation of external unit above internal units		m	15	15	15	
	Maximum elevation of external unit below internal units		m	15	15	15	
	Maximum elevation difference between internal units		m	10	10	10	
	Refrigerant gas	Type	(8)		R32	R32	
	Global warming potential	GWP			675	675	
	Refrigerant preloaded quantity		kg	1,1	1,25	1,5	
Maximum operating pressure (High/Low side)		MPa	4,3/1,7	4,3/1,7	4,3/1,7		
ELECTRICAL ENVIRONMENT	External Unit Power Supply		V/F/Hz	Single-phase 220-240/1/50	Single-phase 220-240/1/50	Single-phase 220-240/1/50	
	Maximum Current		A	12	13	17	
	Operating temperatures in cooling mode (min/max)		°C B.S.	-/+50	-/+50	-/+50	
	Operating temperatures in heating mode (min/max)		°C B.S.	-15/+24	-15/+24	-15/+24	

TECHNICAL DATA

				UI Phenix E Inverter 9	UI Phenix E Inverter 12
Indoor unit code				OS-SEPHH09EI	OS-SEPHH12EI
Indoor unit EAN code				8021183117424	8021183117431
	Indoor Unit Power Supply		V/F/Hz	220-240/1/50	220-240/1/50
	Nominal cooling capacity	(1)	kW	2,64	3,52
	Nominal heating capacity	(1)	kW	2,93	3,81
INDOOR UNIT	Dimensions (WxHxD) (without packaging)		mm	835x295x208	835x295x208
	Weight (without packaging)		kg	8,7	8,7
	Dimensions (WxHxD) (with packaging)		mm	905x355x290	905x355x290
	Weight (with packaging)		kg	11,5	11,3
	Indoor air flow rate in cooling mode (min/average/max)		m³/h	300-360-510	310-370-520
	Indoor air flow rate in heating mode (min/average/max)		m³/h	300-360-510	310-370-520
	Sound pressure (silent/min/med/max)	(6)	dB(A)	/-22-31-37	/-22-33-39
	Sound power	(5)	dB(A)	54	55
PIPING DIMENSIONS	Liquid connection pipeline diameter		inch - mm	1/4" - 6,35	1/4" - 6,35
	Connecting gas pipeline diameter		inch - mm	3/8" - 9,52	3/8" - 9,52
INDOOR ENVIRONMENT	Operating temperatures in cooling mode (min/max)		°C B.S.	+16/+32	+16/+32
	Operating temperatures in heating mode (min/max)		°C B.S.	0/+30	0/+30

(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 the EN 12102 Standard
 (6) 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
 (7) 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
 (8) Non-hermetically sealed equipment containing fluorinated GAS with a GWP equivalent of 675
 The declared data refers to one of the combinations capable of achieving the highest energy class. For the energy class and performance of the individual combinations, refer to the selection tables on the website www.olimpiasplesid.it and to the energy labels of the specific combination (range between A+++ and D). The actual power consumption of the product, in conditions of real use, may differ from what is indicated. The data is subject to changes and modifications without prior notice.