

ARYAL S1 E

High-wall mono-split inverter



HIGH EFFICIENCY

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



AIR QUALITY TECH

The treated air is purified with anti-dust filters, activated carbon and cold catalytic filters to remove impurities.



SELF CLEAN

Automatically cleans and dries the evaporator, removing dust, mould and grease to ensure clean air in the room.



FOLLOW ME

The remote control acts as a remote thermostat to ensure correct temperature control in the point where the occupants are present in the room.

FEATURES

- High-performance inverter technology
- Coolant gas R32
- Energy efficiency class A++ in cooling
- 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, Sleep, Silent and Turbo functions**
- Follow Me function:** precise temperature detection in the point where the remote control is located.
- Swing function:** oscillation of the flap for better air diffusion in the environment.
- Auto-Restart function:** after a power failure, it restarts at the last function set.
- Auto-Diagnosis function:** in the event of a failure, the display shows the error code.



				Aryal S1 E Inverter 10 C	Aryal S1 E Inverter 12 C	Aryal S1 E Inverter 18 C	Aryal S1 E Inverter 24 C
INDOOR UNIT CODE				OS-SEAPH10EI	OS-SEAPH12EI	OS-SEAPH18EI	OS-SEAPH24EI
INDOOR UNIT EAN CODE				8021183115215	8021183115222	8021183115239	8021183115246
OUTDOOR UNIT CODE				OS-KEAPH10EI	OS-KEAPH12EI	OS-KEAPH18EI	OS-KEAPH24EI
OUTDOOR UNIT EAN CODE				8021183116564	8021183116588	8021183118827	8021183118834
PRODUCT CODE				OS-K/SEAPH10EI	OS-K/SEAPH12EI	OS-K/SEAPH18EI	OS-K/SEAPH24EI
EAN CODE				8021183116557	8021183116571	8021183118780	8021183118797
Output power in cooling mode (min/rated/max)		kW	0,91/2,64/3,40	1,11/3,40/4,16	3,39/5,27/5,83	2,08/5,86/7,91	
Output power in heating mode (min/rated/max)		kW	0,82/2,93/3,37	1,09/3,68/4,22	3,14/9,7/5,85	1,61/6,0/7,91	
Absorbed power in cooling mode (min/rated/max)		kW	0,10/0,73/1,24	0,13/1,04/1,58	0,56/1,55/2,05	0,42/1,78/3,15	
Absorbed power in heating mode (min/rated/max)		kW	0,12/0,73/1,20	0,10/0,99/1,68	0,78/1,298/2	0,3/1,608/2,75	
Current consumption in cooling mode (min/rated/max)		A	0,40/3,20/5,40	0,5/4,56/6,9	2,4/6,7/8,9	1,8/7,77/13,8	
Current consumption in heating mode (min/rated/max)		A	0,50/3,20/5,20	0,4/4,35/6,9	3,4/5,64/8,7	1,3/6,99/12,2	
EER			3,60	3,28	3,4	3,28	
COP			4,00	3,72	3,83	3,73	
Maximum power consumption in cooling mode		kW	2,15	2,15	2,50	3,50	
Maximum power consumption in heating mode		kW	2,15	2,15	2,50	3,50	
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			-	-	-	-	
Energy consumption in cooling mode		kWh/year	156	211	247	405	
Annual energy consumption in heating mode - Average season		kWh/year	910	945	1435	1818	
Annual energy consumption in heating mode - Warmer season		kWh/year	714	706	1208	1691	
Annual energy consumption in heating mode - Cold season		kWh/year	-	-	-	-	
Dehumidification capacity		l/h	1	1,2	1,6	2,4	
DESIGN LOAD (EN 14825)	Cooling	Pdesignc	kW	2,8	3,6	5,2	7
	Heating / Average	Pdesignh	kW	2,6	2,7	4,1	4,8
	Heating / Warmer	Pdesignh	kW	2,6	2,5	4,4	5,8
	Heating / Colder	Pdesignh	kW	-	-	-	-
SEASONAL EFFICIENCY (EN14825)	Cooling	SEER		6,3	6,1	7,4	6,1
	Heating / Average	SCOP (A)		4,0	4,0	4	4
	Heating / Warmer	SCOP (W)		5,1	5,1	5,1	4,8
	Heating / Colder	SCOP (C)		-	-	-	-
INDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	54	55	56	59
	Sound pressure (max/med/min/silence)		dB(A)	39/32/25/-	41/35/25/-	42/36/26/-	45/40/36/-
	Air flow rate in cooling mode (max/med/min)		m³/h	466/360/325	547/430/314	840/680/540	980/817/662
	Air flow rate in heating mode (max/med/min)		m³/h	466/360/325	625/430/314	840/680/540	980/817/662
	Degree of protection			IPX0	IPX0	IPX0	IPX0
	Dimensions (WxHxD) (without packaging)		mm	805x285x194	805x285x194	957x302x213	1040x327x220
	Weight (without packaging)		kg	7,6	7,6	10	12,3
	Dimensions (WxHxD) (with packaging)		mm	870x365x270	870x365x270	1035x385x295	1120x405x315
	Weight (with packaging)		kg	9,7	9,8	13,0	15,8
	OUTDOOR UNIT	Sound power (EN 12102)	LWA	dB(A)	62	63	63
Sound pressure			dB(A)	55,5	56	56	59
Air flow rate (max)			m³/h	1750	1800	2100	3500
Degree of protection				IP24	IP24	IPX4	IPX4
Dimensions (WxHxD) (without packaging)			mm	720x495x270	720x495x270	805x554x330	890x673x342
Weight (without packaging)			kg	23,2	23,2	32,7	42,9
Dimensions (WxHxD) (with packaging)			mm	835x540x300	835x540x300	915x615x370	995x740x398
Weight (with packaging)			kg	25,0	25,0	35,4	45,9
COOLING CIRCUIT	Connecting liquid pipeline diameter	inch - mm		1/4" - 6,35	1/4" - 6,35	1/4" - 6,35	3/8" - 9,52
	Connecting gas pipeline diameter	inch - mm		3/8" - 9,52	3/8" - 9,52	1/2" - 12,7	5/8" - 15,9
	Maximum piping length	m		25	25	30	50
	Maximum height difference	m		10	10	20	25
	Covered piping length from pre-load	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	24
	Maximum operating pressure	MPa		4,3/1,7	4,3/1,7	4,3/1,7	4,3/1,7
	Refrigerant gas*	Type		R32	R32	R32	R32
	Global warming potential	GWP		675	675	675	675
Refrigerant gas charge	kg		0,55	0,55	1,08	1,42	
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 2,5 mm2	3 x 2,5 mm2	3 x 2,5 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
	Max Current	A		10,0	10,0	13,0	15,5
LIMITS OF OPERATING CONDITIONS							
Indoor ambient temperature	Maximum temperature in cooling			DB 32°C	DB 32°C	DB 32°C	DB 32°C
	Minimum temperature in cooling			DB 17°C	DB 17°C	DB 17°C	DB 17°C
	Maximum temperature in heating			DB 30°C	DB 30°C	DB 30°C	DB 30°C
	Minimum temperature in heating			DB 0°C	DB 0°C	DB 0°C	DB 0°C
Outdoor ambient temperature	Maximum temperature in cooling			DB 43°C	DB 43°C	DB 50°C	DB 50°C
	Minimum temperature in cooling			-	-	-	-
	Maximum temperature in heating			DB 30°C	DB 30°C	DB 30°C	DB 30°C
	Minimum temperature in heating			DB -15°C	DB -15°C	DB -15°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.