

SPLIT HEAT PUMP AIR CONDITIONERS

# MYSTRAL

[S1 E]

Size	<b>9, 12, 18, 24</b>
Energy class	<b>A++</b>
Type	<b>monosplit</b>
Filtration	<b>antidust</b>
Application	<b>residential</b>



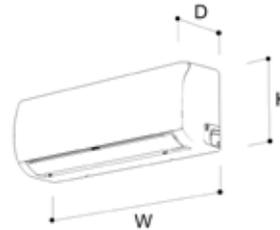
## Up to 24,000 BTU/h of cooling capacity

It allows even the largest rooms to be air-conditioned all year round, delivering up to 6.6 kW of maximum output in cooling mode and 6.8 kW in heating mode. Therefore, it is also ideal for integrating or replacing a gas heating system, electrifying and optimising energy consumption of the home.

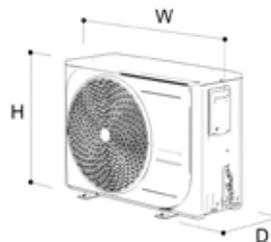
### TECHNICAL INFO

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

### DIMENSIONS AND WEIGHT



		9	12	18	24
W	mm	780	780	850	950
H	mm	276	276	276	313
D	mm	202	202	202	240
WEIGHT	kg	8,0	8,0	11,0	14,0



		9	12	18	24
W	mm	720	720	898	898
H	mm	473	473	546	546
D	mm	298	298	345	345
WEIGHT	kg	20,0	20,0	28,0	30,0

- 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

				Mystral S1 E Inverter 9	Mystral S1 E Inverter 12	Mystral S1 E Inverter 18	Mystral S1 E Inverter 24	
<b>Indoor unit code</b>				OS-SEMTH09E1	OS-SEMTH12E1	OS-SEMTH18E1	OS-SEMTH24E1	
<b>Indoor unit EAN code</b>				8021183122534	8021183122541	8021183122558	8021183122565	
<b>Outdoor unit code</b>				OS-CEMTH09E1	OS-CEMTH12E1	OS-CEMTH18E1	OS-CEMTH24E1	
<b>Outdoor unit EAN code</b>				8021183122572	8021183122589	8021183122596	8021183122602	
<b>Product code</b>				OS-C/SEMTH09E1	OS-C/SEMTH12E1	OS-C/SEMTH18E1	OS-C/SEMTH24E1	
<b>EAN code</b>				8021183122619	8021183122626	8021183122633	8021183122640	
Output power in cooling mode (min/rated/max)				(1) kW	0,3/2,7/3,8	0,3/3,5/3,8	0,5/5,1/5,4	0,6/6,5/6,6
Output power in heating mode (min/rated/max)				(1) kW	0,3/2,7/3,9	0,3/3,5/3,9	0,5/5,1/5,6	0,6/6,5/6,8
Absorbed power in cooling mode (min/rated/max)				(1) kW	0,15/0,8/1,4	0,15/1,1/1,4	0,17/1,68/1,85	0,21/2,2/1,8
Absorbed power in heating mode (min/rated/max)				(1) kW	0,15/0,72/1,27	0,15/1,1/2,7	0,17/1,54/1,9	0,21/1,85/2,05
Absorption in cooling mode (min/nom/max)				(1) A	0,8/3,6/6,9	0,8/5/6,9	1,7/9/8,3	1,2/9,2/10
Absorption in heating mode (min/nom/max)				(1) A	0,8/3,3/6,2	0,8/4,5/6,2	1,7/9/8,5	1,2/8,5/9,4
EER				(1)	3,38	3,18	3,04	3,25
COP				(1)	3,75	3,5	3,31	3,51
Maximum power consumption in cooling mode				(2) kW	1,75	1,75	2,4	3
Maximum power consumption in heating mode				(3) kW	1,75	1,75	2,4	3
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)	-	-	-	-
Annual energy consumption in cooling mode				(4) kWh/year	160	203	290	347
Annual energy consumption in heating mode - Average season				(4) kWh/year	905	942	1455	1835
Annual energy consumption in heating mode - Warmer season				(4) kWh/year	765	790	1354	1585
Annual energy consumption in heating mode - Cold season				(4) kWh/year	-	-	-	-
Dehumidification capacity				(5) l/h	1,3	1,3	1,9	2,2
PROJECT LOADS (EN 14825)	Cooling			Pdesigngc (4) kW	2,7	3,5	5,1	6,1
	Heating - Mid Season			Pdesigngh (4) kW	2,6	2,7	4,2	5,3
	Heating - Hot season			Pdesigngh (4) kW	2,8	2,9	5,0	5,8
	Heating - Cold Season			Pdesigngh (4) kW	-	-	-	-
SEASONAL EFFICIENCY (EN14825)	Cooling			SEER (4)	6,1	6,1	6,1	6,1
	Heating - Mid Season			SCOP ( A ) (4)	4,0	4,0	4,0	4,0
	Heating - Hot season			SCOP ( W ) (4)	5,1	5,1	5,1	5,1
	Heating - Cold Season			SCOP ( C ) (4)	-	-	-	-
INDOOR UNIT	Sound power			LWA (6) dB(A)	51	51	50	54
	Sound pressure (silent/min/med/max)			(7) dB(A)	22/28/34/41	22/28/34/41	26/30/35/40	32/36/40/44
	Indoor air flow rate in cooling mode (min/average/max)			m³/h	350/450/550	350/450/550	450/550/650	650/800/950
	Indoor air flow rate in heating mode (min/average/max)			m³/h	400/500/600	400/500/600	500/600/700	700/850/1000
	Degree of protection of casing							
	Dimensions (WxHxD) (without packaging)			mm	780x276x202	780x276x202	850x276x202	950x313x240
	Weight (without packaging)			kg	8,0	8,0	11,0	14,0
	Dimensions (WxHxD) (with packaging)			mm	860x366x301	860x366x301	930x366x301	1045x403x327
	Weight (with packaging)			kg	10,0	10,0	13,0	16,0
	OUTDOOR UNIT	Sound power			LWA (6) dB(A)	61	61	64
Sound pressure			(8) dB(A)	51	51	54	55	
Air flow rate			m³/h	1800	1800	2600	3200	
Degree of protection of casing				IPX4	IPX4	IPX4	IPX4	
Dimensions (WxHxD) (without packaging)			mm	720x473x298	720x473x298	898x546x345	898x546x345	
Weight (without packaging)			kg	20,0	20,0	28,0	30,0	
Dimensions (WxHxD) (with packaging)			mm	777x530x333	777x530x333	934x608x382	934x608x382	
Weight (with packaging)			kg	23,0	23,0	32,0	34,0	
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	1/2"-12,7	
COOLING CIRCUIT	Maximum piping length			m	15	15	15	15
	Maximum height difference			m	5	5	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
	Maximum operating pressure (High/Low side)			MPa	4,2/1,2	4,2/1,2	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	0,49	0,49	1,01	1,2
	Indoor Unit Power Supply			V/F/Hz	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50	220-240 / 1 / 50
ELECTRICAL CONNECTIONS	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 1,5 mm2	3 x 1,5 mm2
	Indoor - Outdoor unit connection			Pipes	4 x 1,0 mm2	4 x 1,0 mm2	4 x 1,5 mm2	4 x 1,5 mm2
	Maximum Current			A	8	8	11	14

## LIMITS OF OPERATING CONDITIONS

| Outdoor environment | Operating temperatures in cooling mode (min/max) | - / DB 46°C        |
|---------------------|--|--------------------|--------------------|--------------------|--------------------|
|                     | Operating temperatures in heating mode (min/max) | DB -15°C / DB 27°C |
| Indoor environment  | Operating temperatures in cooling mode (min/max) | 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; outdoor temperature DB 46°C - WB 26°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 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.