

SC

Monosplit

Cooling capacity 12,0 kW
Heating capacity 13,6 kW



- Easy installation and maintenance.
- Speed in reaching the defined set point in the shortest time possible.
- Ideal for installations in the service sector: hotels, restaurants, offices.



DESCRIPTION

The monosplit air conditioners of the SC range are combined with SC_V (column) indoor units for floor installation. The outdoor unit features a compressor with inverter technology, an electronic valve and electric heater to ensure proper winter operation and prevent ice formation on the coil.

FEATURES



Indoor unit

Indoor unit **column** designed to be installed for indoor floor installation.

- Every indoor unit comes with a remote control and a remote control holder.
- Fan with DC inverter technology.
- Regenerable air filter easy to remove and clean.
- Timer for programming switch-off and switch-on.
- Auxiliary emergency command integrated into the unit.
- Indoor unit front panel with LED display and indicator lights.
- 3-speed fan, to meet every possible need.
- **Turbo** function to attain the desired temperature as quickly as possible.
- **Sleep** night time function well-being program.
- **X-fan** prolonged ventilation function, in order to perfectly dry the coil and avoid the formation and proliferation of pathogens.
- **Auto** function for a continuous speed variation.

Outdoor unit

Monosplit air conditioner.

Reversible air/air heat pump with DC inverter technology.

- Fitted with a electrical anti-freeze heater (in unit base) to avoid the formation of ice and encourage the drainage of condensate during heating operation.
- Compressor and fan with DC inverter technology.
- Fitted with an electronic expansion valve.

General features

- Operating mode: cooling, heating, dehumidification, automatic and fan only.
- Particularly quiet operation.
- Microprocessor control.
- Auto-restart function.
- Self-diagnosis function.
- Air filter easily removed and cleaned.
- Easy installation and maintenance.

X-fan function

This self-cleaning system foresees that the fan of the indoor unit continues its operation for a few minutes after the unit is turned off, in order to perfectly dry the coil and avoid the formation and proliferation of pathogens.



PERFORMANCE SPECIFICATIONS

Indoor unit		SC1200V
Outdoor unit		SC1200
Nominal cooling performances		
Cooling capacity (1)	kW	12,00
Cooling input power (1)	kW	4,00
EER (2)	W/W	3,00
Moisture removed	l/h	5,0
Minimum cooling performances		
Cooling capacity	kW	3,00
Cooling input power	kW	0,66
Maximum cooling performances		
Cooling capacity	kW	13,00
Cooling input power	kW	5,40
Cooling input current	A	6,0
Seasonal efficiency		
SEER	W/W	5,10
Efficiency energy class (3)		A
Pdesignc	kW	12,0
Annual power consumption	kWh/annum	824
Nominal heating performances		
Heating capacity (4)	kW	13,60
Heating input power (4)	kW	4,20
COP (2)	W/W	3,24
Minimum heating performances		
Heating capacity	kW	3,40
Heating input power	kW	0,70
Maximum heating performances		
Heating capacity	kW	14,00
Heating input power	kW	4,40
Heating input current	A	6,5
Seasonal efficiency (temperate climate)		
SCOP		3,80
Efficiency energy class (3)		A
Pdesignh	kW	11,0
Annual power consumption	kWh/annum	4053

(1) Cooling (EN-14511 and EN-14825) ambient air temperature 27 °C D.B. / 19 °C W.B.; outside air temperature 35 °C; max speed; length of refrigerant lines 5 m.

(2) EER/COP in accordance with the Standard (EN-14511), only declared for the purposes of the tax deductions in force at the time of this publication.

(3) Data in accordance with Delegated Regulation (EU) No. 626/2011.

(4) Heating (EN-14511 and EN-14825) ambient air temperature 20 °C D.B.; outside air temperature 7 °C D.B. / 6 °C W.B.; max speed; length of refrigerant lines 5 m.

INDOOR UNIT

		SC1200V
Indoor unit		
Type of fan	Type	Inverter centrifugal
Input power	W	180
Air flow rate		
Turbo	m ³ /h	1850
Maximum	m ³ /h	1800
Average	m ³ /h	1700
Minimum	m ³ /h	1530
Sound power		
Turbo	dB(A)	63,0
Maximum	dB(A)	61,0
Average	dB(A)	58,0
Minimum	dB(A)	56,0
Sound pressure (1)		
Turbo	dB(A)	52,0
Maximum	dB(A)	50,0
Average	dB(A)	48,0
Minimum	dB(A)	45,0
Indoor unit		
Condensate discharge diameter	mm	17,0
Power supply		
Indoor unit power supply		220-240V ~ 50Hz

(1) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

OUTDOOR UNIT

		SC1200
Outdoor unit		
Type of fan	Type	Inverter axial
Air flow rate		
Maximum	m ³ /h	2000
Sound power		
Maximum	dB(A)	70,0
Sound pressure (1)		
Maximum	dB(A)	63,0
Compressor		
Type	type	Inverter rotary
Refrigerant	type	R410A
Refrigerant charge	kg	3,50
Potential global heating	GWP	2088kgCO ₂ eq
Equivalent CO ₂	t	7,31
Outdoor unit		
Condensate discharge diameter	mm	16,0
Power supply		
Outdoor unit power supply		380-415V ~ 3N ~ 50Hz

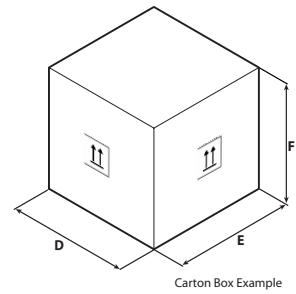
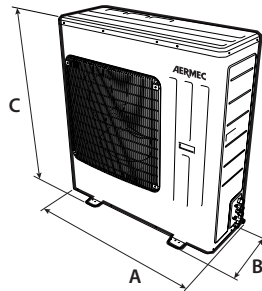
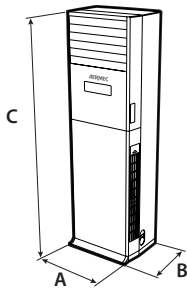
(1) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

GENERAL DATA

		SC1200V
Indoor unit		SC1200V
Outdoor unit		SC1200
Electric data		
Rated power input (1)	kW	5,4
Rated current input (1)	A	9,5
Refrigeration pipework		
Diameter of liquid refrigerant connections	mm (inch)	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	15,9 (5/8")
Maximum refrigerant tube length	m	25
Maximum refrigerant line level difference	m	10,0
Refrigerant to be added	g/m	50

(1) The rated power input (rated current input) is the maximum input electrical power (maximum current input) from the system, in accordance with the Standards EN-60335-1 and EN-60335-2-40.
NB: the quantity of refrigerant gas to be added refers to a line length greater than 5 m.

DIMENSIONS AND WEIGHTS



SC1200V		
Indoor unit		
A	mm	580
B	mm	400
C	mm	1870
D	mm	738
E	mm	545
F	mm	2083
Net weight	kg	58
Weight for transport	kg	84
SC1200		
Outdoor unit		
A	mm	1086
B	mm	440
C	mm	1107
D	mm	1235
E	mm	483
F	mm	1158
Net weight	kg	89
Weight for transport	kg	100

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