

SCG

Monosplit

Cooling capacity 7,2 kW ÷ 12,5 kW
 Heating capacity 7,9 kW ÷ 13,5 kW

- New R32 ecological refrigerant gas.
- Standard Wi-Fi module.
- Modern design to blend with all furnishing styles.
- Easy installation and maintenance.
- Ideal for installations in the service sector: hotels, restaurants, offices.



DESCRIPTION

The monosplit air conditioners of the SCG range are combined with SCG_V (column) indoor units for floor installation. Thanks to their compact size, ease of installation and modern design, they are suitable for environments such as shops, restaurants, shopping centers, doctor's offices, etc. 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.

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.



Smart APP Ewpe

This system is fitted **standard** with a wi-fi module that can be used, along with the app for iOS and Android devices (available free on Apple Store and Google Play), to control the system remotely on your smartphone or tablet, or via Cloud with the aid of a wireless router connected to the Internet.



General features

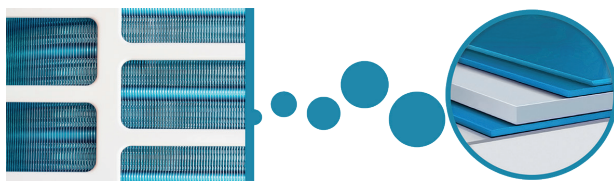
- Operating mode: cooling, heating, dehumidification, automatic and fan only.
- Particularly quiet operation.
- Microprocessor control.
- Auto-restart function.
- Self-diagnosis function.
- Air filter easily removed and cleaned.
- Easy installation and maintenance.

ACCESSORIES

DTG1: Diagnostic tool for indoor and outdoor units of the entire series (tool reserved for service centres or installers).

Special blue fin coil

Unlike normal batteries, this special blue epoxy coating is able to protect the heat exchanger against rust and corrosion, in areas where the air has a high salt content.



PERFORMANCE SPECIFICATIONS

Indoor unit		SCG700V	SCG1200V	SCG1200VT
Outdoor unit		SCG700	SCG1200	SCG1200T
Nominal cooling performances				
Cooling capacity (1)	kW	7,20	12,50	12,50
Cooling input power (1)	kW	2,05	4,20	3,44
EER (2)	W/W	3,51	2,98	3,63
Moisture removed	l/h	2,0	5,0	5,0
Minimum cooling performances				
Cooling capacity	kW	1,00	3,60	3,60
Cooling input power	kW	0,37	0,36	0,40
Maximum cooling performances				
Cooling capacity	kW	9,00	13,50	13,50
Cooling input power	kW	3,70	5,40	6,60
Cooling input current	A	10,0	19,0	5,4
Seasonal efficiency				
SEER	W/W	6,10	5,60	6,10
Efficiency energy class (3)		A++	-	-
Annual power consumption	kWh/annum	413	-	-
η_{sc}	%	-	221,00	246,00
Nominal heating performances				
Heating capacity (4)	kW	7,90	13,50	13,50
Heating input power (4)	kW	2,33	4,20	3,30
COP (2)	W/W	3,39	3,21	4,09
Minimum heating performances				
Heating capacity	kW	1,60	2,80	2,80
Heating input power	kW	0,32	0,36	0,50
Maximum heating performances				
Heating capacity	kW	8,80	14,00	14,00
Heating input power	kW	3,90	5,40	6,60
Heating input current	A	11,0	19,0	5,2
Seasonal efficiency (temperate climate)				
SCOP	W/W	4,00	3,70	4,00
Efficiency energy class (3)		A+	-	-
Annual power consumption	kWh/annum	2135	-	-
η_{sh}	%	-	145,00	159,00

(1) Cooling (EN 14511 and EN 14825) ambient air temperature 27 °C d.b. / 19 °C w.b.; outside air temperature 35 °C; turbo 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.; turbo speed; length of refrigerant lines 5 m.

INDOOR UNIT DATA

		SCG700V	SCG1200V	SCG1200VT
Indoor unit				
Type of fan	Type		Centrifugal	
Air flow rate				
Turbo	m ³ /h	1250	2000	2400
Maximum	m ³ /h	950	1850	2200
Average	m ³ /h	850	1700	2000
Minimum	m ³ /h	750	1580	1800
Sound power (1)				
Turbo	dB(A)	60,0	66,0	68,0
Maximum	dB(A)	51,0	64,0	65,0
Average	dB(A)	48,0	62,0	63,0
Minimum	dB(A)	45,0	61,0	61,0
Sound pressure (2)				
Turbo	dB(A)	45,0	53,0	57,0
Maximum	dB(A)	41,0	51,0	55,0
Average	dB(A)	38,0	50,0	53,0
Minimum	dB(A)	35,0	48,0	51,0
Power supply				
Indoor unit power supply		220-240V ~ 50Hz		380-415V ~ 3N 50Hz

(1) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

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

OUTDOOR UNIT DATA

		SCG700	SCG1200	SCG1200T
Outdoor unit				
Type of fan	Type		Axial	
Air flow rate				
Maximum	m ³ /h	3200	6000	6000
Sound power (1)				
Maximum	dB(A)	70,0	74,0	75,0
Sound pressure (2)				
Maximum	dB(A)	61,0	64,0	69,0
Compressor				
Type	type		Inverter rotary	
Refrigerant	type		R32	
Refrigerant charge	kg	1,60	2,60	2,60
Potential global heating	GWP		675kgCO ₂ eq	
Equivalent CO ₂	t	1,08	1,76	1,76
Power supply				
Outdoor unit power supply		220-240V ~ 50Hz		380-415V 3N ~ 50Hz

(1) Sound power calculated in free field, in accordance with UNI EN ISO 3744.

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

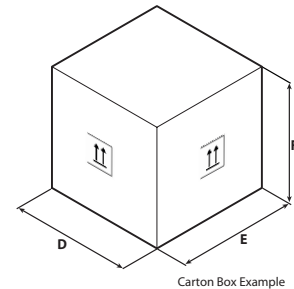
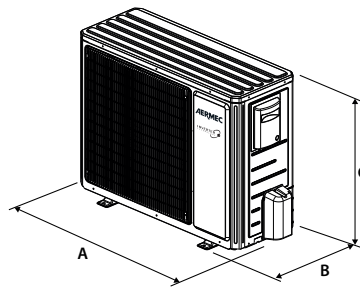
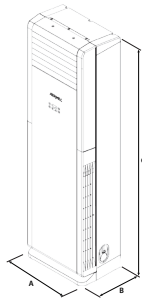
GENERAL DATA

Indoor unit		SCG700V	SCG1200V	SCG1200VT
Outdoor unit		SCG700	SCG1200	SCG1200T
Electric data				
Rated power input (1)	kW	3,9	5,4	6,6
Rated current input (1)	A	18,0	22,0	10,0
Refrigeration pipework				
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	9,52 (3/8")	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")
Maximum refrigerant tube length	m	25	30	30
Maximum refrigerant line level difference	m	10,0	20,0	20,0
Refrigerant to be added	g/m	40	40	40

(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



Carton Box Example

		SCG700V	SCG1200V	SCG1200VT
Indoor unit				
A	mm	507	587	587
B	mm	320	394	394
C	mm	1770	1882	1882
D	mm	608	718	718
E	mm	410	485	485
F	mm	1983	2128	2128
Net weight	kg	38,0	55,0	57,0
Weight for transport	kg	47,0	67,0	69,0
Outdoor unit				
A	mm	965	1028	1028
B	mm	396	530	530
C	mm	700	822	822
D	mm	1029	1083	1083
E	mm	458	573	573
F	mm	750	973	973
Net weight	kg	53,5	89,0	94,0
Weight for transport	kg	58,0	100,0	105,0

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