

# SCG\_1

## Monosplit

Cooling capacity 7,2 kW ÷ 12,5 kW  
 Heating capacity 7,9 kW ÷ 14,5 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\_1 range are combined with SCG\_1V (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 and an electronic valve.

### 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.
- 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

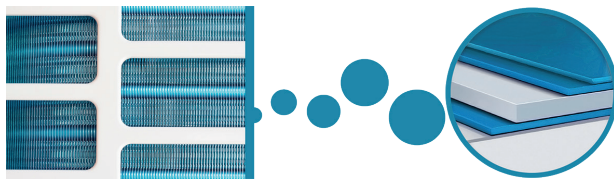
- Operating mode: cooling, heating, dehumidification, automatic and fan only.
- Particularly quiet operation.
- Microprocessor control.
- Auto-restart function.
- Self-diagnosis function.
- Air filter easily removed and cleaned.
- Easy installation and maintenance.

### 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		SCG701V	SCG1201V	SCG1201VT
Outdoor unit		SCG701	SCG1201	SCG1201T
<b>Nominal cooling performances</b>				
Cooling capacity (1)	kW	7,20	12,30	12,50
Cooling input power	kW	2,05	4,17	3,79
Cooling input current	A	9,0	18,0	5,6
EER (2)	W/W	3,51	2,95	3,30
Moisture removed	l/h	2,5	5,0	5,0
<b>Minimum cooling performances</b>				
Cooling capacity (1)	kW	0,97	1,50	3,10
Cooling input power	kW	0,35	0,55	0,30
<b>Maximum cooling performances</b>				
Cooling capacity (1)	kW	8,40	13,50	14,50
Cooling input power	kW	2,95	5,06	5,70
<b>Seasonal efficiency</b>				
SEER	W/W	6,10	5,70	6,10
Efficiency energy class (3)		A++	-	-
Annual power consumption	kWh/annum	413	-	-
$\eta_{sc}$	%	-	227,00	241,00
<b>Nominal heating performances</b>				
Heating capacity (4)	kW	7,90	12,60	14,50
Heating input power	kW	2,33	3,82	3,86
Heating input current	A	10,5	16,0	5,7
COP (2)	W/W	3,39	3,30	3,76
<b>Minimum heating performances</b>				
Heating capacity (4)	kW	0,64	2,50	3,30
Heating input power	kW	0,39	0,50	0,64
<b>Maximum heating performances</b>				
Heating capacity (4)	kW	8,80	14,00	16,50
Heating input power	kW	3,03	5,06	4,70
<b>Seasonal efficiency (temperate climate)</b>				
SCOP	W/W	3,80	3,70	4,00
Efficiency energy class (3)		A	-	-
Annual power consumption	kWh/annum	2063	-	-
$\eta_{sh}$	%	-	146	157

(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 5m.

(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 5m.

## INDOOR UNIT DATA

		SCG701V	SCG1201V	SCG1201VT
<b>Indoor unit</b>				
Type of fan	Type		Centrifugal	
<b>Air flow rate</b>				
Turbo	m <sup>3</sup> /h	1250	2000	2400
Maximum	m <sup>3</sup> /h	950	1850	2200
Average	m <sup>3</sup> /h	850	1700	2000
Minimum	m <sup>3</sup> /h	750	1580	1800
<b>Sound power (1)</b>				
Turbo	dB(A)	56,0	64,0	66,0
Maximum	dB(A)	52,0	61,0	64,0
Average	dB(A)	50,0	60,0	63,0
Minimum	dB(A)	46,0	58,0	61,0
<b>Sound pressure (2)</b>				
Turbo	dB(A)	45,0	53,0	56,0
Maximum	dB(A)	41,0	51,0	54,0
Average	dB(A)	39,0	50,0	53,0
Minimum	dB(A)	35,0	48,0	51,0

(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

		SCG701	SCG1201	SCG1201T
<b>Outdoor unit</b>				
Type of fan	Type		Axial	
<b>Air flow rate</b>				
Maximum	m <sup>3</sup> /h	3600	4000	5200
<b>Sound power (1)</b>				
Maximum	dB(A)	70,0	73,0	74,0
<b>Sound pressure (2)</b>				
Maximum	dB(A)	61,0	63,0	63,0
<b>Compressor</b>				
Type	type		Rotativo Inverter	
Refrigerant	type		R32	
Potential global heating	GWP		675kgCO <sub>2</sub> eq	
Refrigerant charge	kg	1,50	2,00	2,80
Equivalent CO <sub>2</sub>	t	1,01	1,35	1,89

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

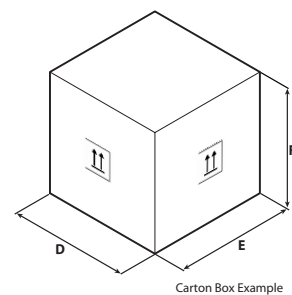
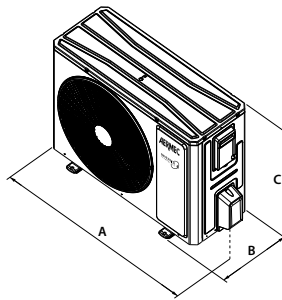
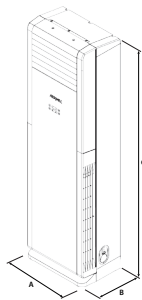
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## GENERAL DATA

Indoor unit	SCG701V	SCG1201V	SCG1201VT	
Outdoor unit	SCG701	SCG1201	SCG1201T	
<b>Electric data</b>				
Rated power input (1)	kW	3,03	5,06	5,70
Rated current input - cooling	A	14,5	20,0	9,8
Rated current input - heating	A	13,5	22,0	8,1
<b>Refrigerant lines</b>				
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	6,35 (1/4")	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
Maximum length of refrigerant lines without addition of refrigerant	m	5	5	5
Refrigerant to be added	g/m	40	40	40
<b>Power supply</b>				
Power supply		220-240V ~ 50Hz	220-240V ~ 50Hz	380-415V ~ 3N 50Hz

(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.

## DIMENSIONS AND WEIGHTS



Carton Box Example

		SCG701V	SCG1201V	SCG1201VT
<b>Indoor unit</b>				
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	53,0	57,0
Weight for transport	kg	47,0	65,0	69,0
<b>Outdoor unit</b>				
		SCG701	SCG1201	SCG1201T
A	mm	958	1000	1020
B	mm	402	427	427
C	mm	660	746	820
D	mm	1032	1080	1093
E	mm	456	483	497
F	mm	737	810	955
Net weight	kg	43,0	55,0	86,0
Weight for transport	kg	47,5	60,0	99,0

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