

SMG

Universal

Cooling capacity 2,7 ÷ 3,5 kW
Heating capacity 3,2 ÷ 4,0 kW

- New R32 ecological refrigerant gas.
- Standard Wi-Fi module.
- Innovative design sleek curved lines.
- Special coil with fin blue coating.



DESCRIPTION

The monosplit air conditioners of the SMG range are combined with SMG_W (Wall) indoor units for wall installation.

Universal indoor units:

all indoor units can be combined with both multisplit outdoor units of the series MLG and monosplit outdoor units of the series SMG.

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

Innovative design

SMG has an elegant and essential design. The curved lines form a structure that has an innovative and functional style. The operating parameters display is elegantly integrated in the satin-finish cover. The motorised horizontal and vertical louvers direct the air flow in the desired direction, guaranteeing total comfort in the environment.



Indoor unit

Wall indoor unit designed to be installed on indoor walls.

- 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.
- **Auto** function for a continuous speed variation.
- **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.
- **Anti-freeze** function that allows you to keep an inside minimum temperature of 8 °C in winter.
- **iFeel** function for activating the ambient temperature probe inside the remote control, for improved comfort.

Outdoor unit

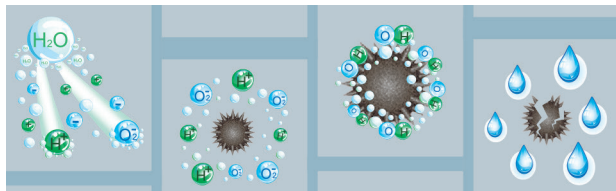
Monosplit air conditioner.

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.

Air Purifiers (Cold Plasma)

Capable of reducing pollutants breaking down their molecules using electric discharges, causing the splitting of the water molecules in the air into positive and negative ions. These ions neutralise the molecules of the gaseous pollutants obtaining products that are normally present in clean air. The device can eliminate 90% of bacteria. The result is clean, ionised air that has no bad odours.



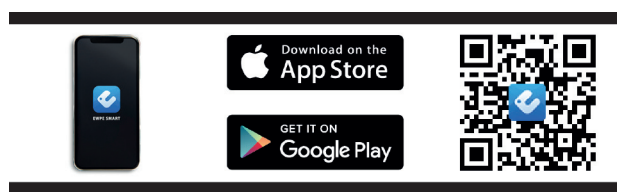
X-fan function

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.



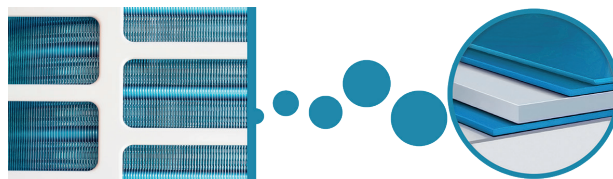
Smart APP Ewpe

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.



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.



General features

- New R32 ecological refrigerant gas with low GWP.
- 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.
- **Low cooling function:** cooling with outside temperatures down to -18 °C.
- **Low heating function:** heating with outside temperatures down to -30 °C.

PERFORMANCE SPECIFICATIONS

Indoor unit		SMG270W	SMG350W
Outdoor unit		SMG270	SMG350
Nominal cooling performances			
Cooling capacity (1)	kW	2,70	3,53
Cooling input power (1)	kW	0,60	0,88
EER (2)	W/W	4,50	4,00
Moisture removed	l/h	0,8	0,8
Minimum cooling performances			
Cooling capacity	kW	0,30	0,30
Cooling input power	kW	0,13	0,13
Maximum cooling performances			
Cooling capacity	kW	4,30	4,80
Cooling input power	kW	1,30	1,80
Cooling input current	A	3,7	5,8
Seasonal efficiency			
SEER	W/W	7,50	7,20
Efficiency energy class (3)		A++	A++
Annual power consumption	kWh/annum	126	170
Pdesignc	kW	2,7	3,5
Nominal heating performances			
Heating capacity (4)	kW	3,20	4,00
Heating input power (4)	kW	0,78	1,00
COP (2)	W/W	4,10	4,00
Minimum heating performances			
Heating capacity	kW	0,60	0,60
Heating input power	kW	0,15	0,15
Maximum heating performances			
Heating capacity	kW	5,90	6,00
Heating input power	kW	2,30	2,40
Heating input current	A	4,4	6,8
Seasonal efficiency (temperate climate)			
SCOP		4,60	4,60
Efficiency energy class (3)		A++	A++
Annual power consumption	kWh/annum	852	913
Pdesignh	kW	2,80	3,00

(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

		SMG270W	SMG350W
Indoor unit			
Type of fan	Type	Inverter tangential	
Air flow rate			
Turbo	m³/h	550	650
Maximum	m³/h	450	500
Average	m³/h	330	400
Minimum	m³/h	250	250
Quiet	m³/h	220	220
Sound power			
Turbo	dB(A)	58,0	58,0
Maximum	dB(A)	50,0	51,0
Average	dB(A)	42,0	43,0
Minimum	dB(A)	37,0	37,0
Quiet	db(A)	34,0	35,0
Sound pressure (1)			
Turbo	dB(A)	40,0	42,0
Maximum	dB(A)	36,0	37,0
Average	dB(A)	28,0	29,0
Minimum	dB(A)	23,0	23,0
Quiet	db(A)	20,0	21,0

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

OUTDOOR UNIT

		SMG270	SMG350
Outdoor unit			
Type of fan	Type	Inverter axial	
Air flow rate			
Maximum	m³/h	2400	2400
Sound power			
Maximum	dB(A)	63,0	63,0
Sound pressure (1)			
Maximum	dB(A)	52,0	53,0
Compressor			
Type	type	Inverter rotary	
Refrigerant	type	R32	
Refrigerant charge	kg	0,95	0,90
Potential global heating	GWP	675kgCO ₂ eq	
Equivalent CO ₂	t	0.64	0.61

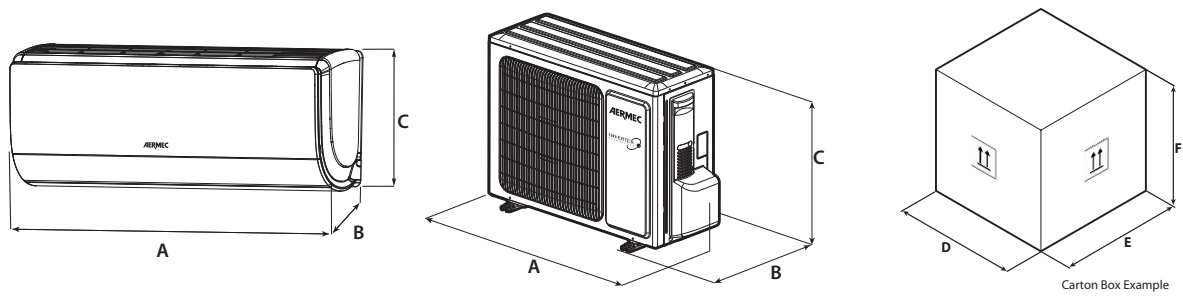
(1) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

GENERAL DATA

Indoor unit		SMG270W	SMG350W
Outdoor unit		SMG270	SMG350
Electric data			
Rated power input (1)	kW	2,3	2,4
Rated current input (1)	A	10,5	10,5
Refrigeration pipework			
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	6,35 (1/4")
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")	9,52 (3/8")
Maximum refrigerant tube length	m	15	20
Maximum refrigerant line level difference	m	10,0	10,0
Refrigerant to be added	g/m	16	16
Power supply			
Power supply		220-240V ~ 50Hz	220-240V ~ 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



		SMG270W	SMG350W
Indoor unit			
A	mm	860	860
B	mm	170	170
C	mm	305	305
D	mm	935	935
E	mm	388	388
F	mm	295	295
Net weight	kg	11,50	11,50
Weight for transport	kg	14,00	14,00
		SMG270	SMG350
Outdoor unit			
A	mm	899	899
B	mm	378	378
C	mm	596	596
D	mm	948	948
E	mm	420	420
F	mm	645	645
Net weight	kg	42,00	43,50
Weight for transport	kg	45,00	46,50

Aermec reserves the right to make any modifications deemed necessary.
All data is subject to change without notice. Aermec does not assume
responsibility or liability for errors or omissions.

Aermec S.p.A.
Via Roma, 996 - 37040 Bevilacqua (VR) - Italia
Tel. 0442633111 - Telefax 044293577
www.aermec.com