

CKG

Universal

Cooling capacity 2,7 ÷ 5,2 kW
Heating capacity 2,9 ÷ 5,3 kW

- Standard Wi-Fi module.
- New R32 ecological refrigerant gas.
- Air Purifiers (Cold Plasma).
- Low cooling function: cooling operation with outdoor temperatures down to -15 °C.
- Low heating function: heating operation with outdoor temperatures down to -22 °C.



DESCRIPTION

The monosplit air conditioners of the CKG_1 range are combined with CK-G_1FS (Console) indoor units with an inverter fan unit, offering twin delivery for optimum air flow control and enhanced environmental comfort.

Universal indoor units:

all indoor units can be combined with both multisplit outdoor units of the series MPG and MLG and monosplit outdoor units of the series CKG_1.

CKG_1FS	CKG261FS	CKG361FS	CKG501FS
Universal indoor units compatible with MPG multisplit system	•	•	•
Universal indoor units compatible with MLG multisplit system	•	•	

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

Console indoor unit designed to be installed on indoor floors.

- 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.
- Indoor unit front panel with LED display and indicator lights.
- 5-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

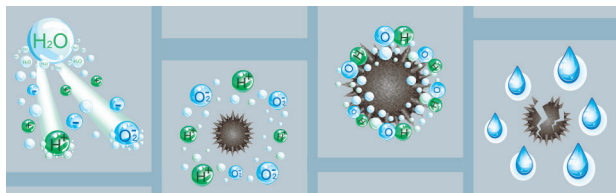
Monosplit air conditioner.

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.



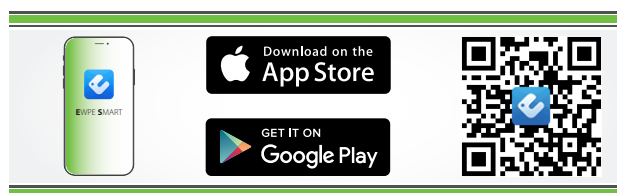
X-fan function

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.



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.

ACCESSORIES COMPATIBILITY

The accessory CC2 version 01 is compatible with the indoor units of the CKG_1FS series, from version 01.

ACCESSORIES

*The CC2 centralised control can manage up to 36 CKG_1 system.

In order to use accessory CC2, for each indoor unit, the WRCA wired panel (accessory) must be installed, with the IC-2P adapter accessory.



Single air delivery



Dual air delivery (default)



Intake



PERFORMANCE SPECIFICATIONS

Indoor unit		CKG261FS	CKG361FS	CKG501FS
Outdoor unit		CKG261	CKG361	CKG501
Nominal cooling performances				
Cooling capacity (1)	kW	2,70	3,52	5,20
Cooling input power (1)	kW	0,70	0,93	1,45
EER (2)	W/W	3,86	3,80	3,60
Moisture removed	l/h	0,8	1,2	1,8
Cooling input current	A	5,5	7,0	11,5
Minimum cooling performances				
Cooling capacity	kW	0,50	0,80	1,20
Cooling input power	kW	0,15	0,23	0,10
Maximum cooling performances				
Cooling capacity	kW	3,40	4,40	6,20
Cooling input power	kW	1,10	1,55	2,25
Seasonal efficiency				
SEER	W/W	7,80	7,20	7,20
Efficiency energy class (3)		A++	A++	A++
Annual power consumption	kWh/annum	121	175	253
Nominal heating performances				
Heating capacity (4)	kW	2,90	3,80	5,33
Heating input power (4)	kW	0,73	0,96	1,55
Heating input current	A	6,0	7,5	11,5
COP (2)	W/W	3,97	3,96	3,45
Minimum heating performances				
Heating capacity	kW	0,60	1,05	1,10
Heating input power	kW	0,16	0,18	0,20
Maximum heating performances				
Heating capacity	kW	3,65	4,40	6,20
Heating input power	kW	1,20	1,70	2,40
Seasonal efficiency (temperate climate)				
SCOP	W/W	4,20	4,10	4,00
Efficiency energy class (3)		A+	A+	A+
Annual power consumption	kWh/annum	867	1093	1680

(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

		CKG261FS	CKG361FS	CKG501FS
Indoor unit				
Input power	W	Powered by the outdoor unit	Powered by the outdoor unit	Powered by the outdoor unit
Type of fan	Type	Centrifugal	Centrifugal	Centrifugal
Air flow rate indoor units				
Quiet	m³/h	250	260	350
Minimum	m³/h	280	360	430
Average minimum	m³/h	330	400	470
Average	m³/h	370	440	520
Average maximum	m³/h	410	480	600
Maximum	m³/h	430	520	670
Turbo	m³/h	500	600	750
Sound power (1)				
Quiet	dB(A)	35,0	36,0	43,0
Minimum	dB(A)	38,0	40,0	48,0
Average minimum	dB(A)	41,0	44,0	51,0
Average	dB(A)	44,0	47,0	53,0
Average maximum	dB(A)	46,0	49,0	56,0
Maximum	dB(A)	48,0	51,0	58,0
Turbo	dB(A)	52,0	55,0	60,0
Sound pressure (2)				
Quiet	dB(A)	23,0	25,0	32,0
Minimum	dB(A)	26,0	29,0	37,0
Average minimum	dB(A)	29,0	33,0	40,0
Average	dB(A)	32,0	36,0	42,0
Average maximum	dB(A)	34,0	38,0	45,0
Maximum	dB(A)	36,0	40,0	47,0
Turbo	dB(A)	39,0	44,0	49,0
Sound power (1)				
Quiet	dB(A)	34,0	36,0	42,0
Minimum	dB(A)	37,0	40,0	47,0
Average minimum	dB(A)	41,0	44,0	49,0
Average	dB(A)	44,0	47,0	52,0
Average maximum	dB(A)	46,0	49,0	54,0
Maximum	dB(A)	48,0	51,0	57,0
Turbo	dB(A)	52,0	55,0	60,0
Sound pressure (2)				
Quiet	dB(A)	22,0	25,0	33,0
Minimum	dB(A)	25,0	29,0	38,0
Average minimum	dB(A)	29,0	33,0	40,0
Average	dB(A)	32,0	36,0	43,0
Average maximum	dB(A)	34,0	38,0	45,0
Maximum	dB(A)	36,0	40,0	48,0
Turbo	dB(A)	39,0	44,0	51,0
Indoor unit				
Condensate discharge diameter	mm	17,0	17,0	17,0

(1) Sound Power measured in Semi-Anechoic Chamber at 1,0m from the source, according to EN 12102-1:2017

(2) Sound Pressure measured in Semi-Anechoic Chamber at 1,0m from the source, according to EN 12102-1:2017

OUTDOOR UNIT DATA

		CKG261	CKG361	CKG501
Outdoor unit				
Type of fan	Type		Axial	
Air flow rate				
Maximum	m³/h	1950	2200	3600
Sound power (1)				
Maximum	dB(A)	61,0	63,0	65,0
Sound pressure (2)				
Maximum	dB(A)	51,0	53,0	59,0
Compressor				
Type	type		Rotativo Inverter	
Refrigerant	type		R32 / 675kgCO ₂ eq	
Refrigerant charge	kg	0,51	0,75	1,00
Potential global heating	GWP			
Equivalent CO ₂	t	0,34	0,51	0,68
Outdoor unit				
Condensate discharge diameter	mm	16,0	16,0	16,0

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

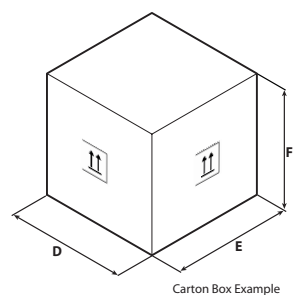
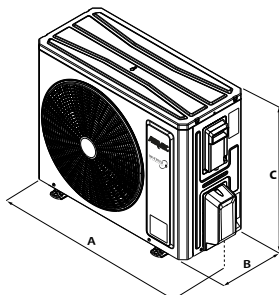
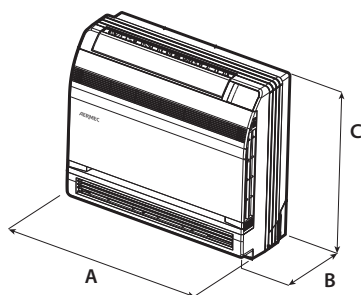
(2) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

GENERAL DATA

Indoor unit		CKG261FS	CKG361FS	CKG501FS
Outdoor unit		CKG261	CKG361	CKG501
Electric data				
Rated power input (1)	kW	0,73	0,96	1,55
Rated current input - cooling	A	5,5	7,0	11,5
Rated current input - heating	A	6,0	7,5	11,5
Refrigerant lines				
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")	9,52 (3/8")	12,7 (1/2")
Maximum refrigerant tube length	m	15	20	25
Maximum refrigerant line level difference	m	10,0	10,0	10,0
Maximum length of refrigerant lines without addition of refrigerant	m	5	5	5
Refrigerant to be added	g/m	16	16	16
Power supply				
Power supply		220-240V ~ 50Hz	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



		CKG261FS	CKG361FS	CKG501FS
Indoor unit				
A	mm	700	700	700
B	mm	215	215	215
C	mm	600	600	600
D	mm	788	788	788
E	mm	283	283	283
F	mm	697	697	697
Net weight	kg	15,5	16,0	16,0
Weight for transport	kg	18,5	19,0	19,0
		CKG261	CKG361	CKG501
Outdoor unit				
A	mm	732	802	958
B	mm	330	350	402
C	mm	555	555	660
D	mm	794	872	1032
E	mm	376	398	456
F	mm	615	620	737
Net weight	kg	24,0	27,5	41,0
Weight for transport	kg	26,5	30,0	45,5

Aermec si riserva la facoltà di apportare in qualsiasi momento tutte le modifiche ritenute necessarie per il miglioramento del prodotto con eventuale modifica dei relativi dati tecnici.

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