AERMEC

MLG

Multisplit

Cooling capacity 4,1 ÷ 12,0 kW
Heating capacity 4,4 ÷ 13,0 kW

- **New R32 ecological refrigerant gas.**
- **Wi-fi control using the relative accessory.**
- **Modern design to blend with all furnishing styles.**
- **Special coil with fin blue coating.**

MLG_D

MLG_CS / MLG_C

CKG_FS

MLG_F

MLG_FS

DESCRIPTION

The multisplit air conditioners of the MLG range are combined with:
— CKG_FS (Console) for wall installation.
— MLG_D to be installed horizontally indoors.
— MLG_CS e MLG_C (Cassette) for false ceiling installation.
— MLG_F (Floor ceiling) wall and/or ceiling installation.
— MLG_FS (Console) for wall 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.

TYPE OF INDOOR UNIT

CKG_FS indoor unit

Console indoor unit designed to be installed on indoor floors.
Universal indoor units: some indoor units can be combined with both multisplit outdoor units of the series MLG and monosplit outdoor units of the series CKG:

CKG_FS	CKG260FS	CKG360FS	CKG500FS
Universal indoor units compatible with MLG multisplit system	•	•	

— 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.
— Air Purifiers (Cold Plasma) is able to reduce pollutants.
— Standard Wi-Fi module.

Single air delivery

Dual air delivery (default)

Intake

Smart APP Ewpe

The system is equipped standard with the Wi-Fi module; using this module and the app for iOS and Android devices (available free on Apple Store and Google Play, the system can be directly controlled from a distance on your smartphone or tablet. Remote control is possible via Cloud, using a wireless router connected to the Internet.

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.

MLG_D indoor unit

Indoor unit designed to be fitted horizontally on indoor walls.

— Every indoor unit comes with a remote control and a remote control holder.
— WRCA wired panel standard supply with each indoor unit.
— Fan with DC inverter technology.
— Regenerable air filter easy to remove and clean.
— Timer for programming switch-off and switch-on.
— 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.

— Equipped with condensate drain pump.

MLG_CS indoor unit

Indoor unit Cassette of dimensions (600x600 mm) designed to be installed on suspended ceiling indoors.

— 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.
— Equipped with condensate drain pump.

MLG_C indoor unit

Indoor unit Cassette of dimensions (840x840 mm) designed to be installed on suspended ceiling indoors.

— 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.
— Equipped with condensate drain pump.

MLG_F indoor unit

Indoor unit **Floor ceiling** designed to be installed on the wall or ceiling indoors.

— 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.

MLG_FS indoor unit

A **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.
— Auxiliary emergency command integrated into the unit.
— 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.
— Air Purifiers (Cold Plasma) is able to reduce pollutants.
— Standard Wi-Fi module.

Single air delivery

Dual air delivery (default)

Intake

General features
— New R32 ecological refrigerant gas with low GWP.
— Operating mode: cooling, heating, dehumidification, automatic and fan only.
— Particularly quiet operation.
— Microproccessor control.
— Auto-restart function.
— Self-diagnosis function.
— Air filter easily removed and cleaned.
— Systems with multi-line refrigerant connections, where every indoor unit is connected directly to the outdoor unit via dedicated refrigerant lines.
— Easy installation and maintenance.

Low cooling function
cooling operation with outdoor temperatures down to -15 °C.

Low heating function
heating with external temperatures up to:

Models	Temperature up to -20 °C	Temperature up to -22 °C
MLG420		•
MLG520		•
MLG630		•
MLG730		•
MLG840		•
MLG1040	•	
MLG1250	•	

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.
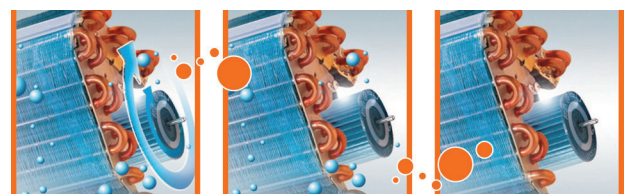
Smart APP Ewpe

Using the specific **accessory**, the system offers wi-fi control thanks to the app for iOS and Android devices (available free on Apple Store and Google Play). The system can be controlled from a distance directly 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.
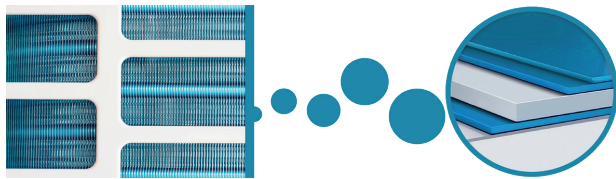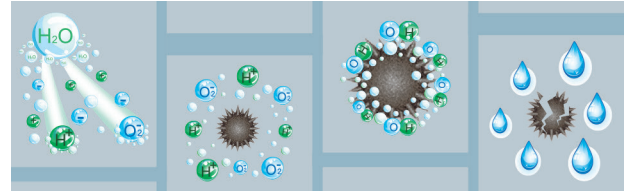

Air Purifiers (Cold Plasma)

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.

SUPPLIED COMPONENTS FOR INDOOR UNITS

Models	CKG_FS	MLG_D	MLG_CS	MLG_C	MLG_F	MLG_FS
Remote control	•	•	•	•	•	•
Remote control holder	•	•	•	•	•	•
WRCA wired panel		•				
Air Purifiers (Cold Plasma)	•					•
Condensate discharge pump		•	•	•		
Wi-Fi module	•					•

TYPE OF OUTDOOR UNIT

Outdoor unit

Multisplit air conditioner.
Reversible air/air heat pump with DC inverter technology.

Types:

— **Dualsplit**: outdoor units MLG420 and MLG520 can be combined with 1 or 2 indoor units.
— **Trialsplit**: outdoor units MLG630 and MLG730 can be combined with 2 or 3 indoor units.
— **Quadrisplit**: outdoor unit MLG840 and MLG1040 can be combined with 2, 3 or 4 indoor units.
— **Pentasplit**: outdoor unit MLG1250 can be combined with 2, 3, 4 or indoor units.

Main features:

— 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.

ACCESSORIES

CC2: Centralised control with 7" touchscreen display for managing several indoor units within a number of multisplit systems. The centralised control has an integrated external contact. For more information, refer to the specific documentation. *

WRCA: Wired panel with liquid crystal display and soft-touch buttons. This accessory can be used to control not only the traditional system functions but also a weekly timer with a maximum of 8 daily time bands.

WRCB: Wired panel with liquid crystal display and soft-touch buttons, equipped with an integrated wi-fi module for remote control of the unit (via the dedicated EWPE Smart App).

* The CC2 centralised control can manage up to 36 MLG indoor units.

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

For more information about the accessories and their functions (such as the auto-restart function), refer to the specific documentation of the single accessory.

DCK: Remote Contact Kit. This accessory allows you to switch the system on and off using an external contact.

WIFIKIT: Plug & Play module to be installed in the indoor unit for Wi-Fi control. (Cable length 250 mm)

WIFIKIT01: Plug & Play module to be installed in the indoor unit for Wi-Fi control, equipped with Bluetooth® connection to ensure a better connection with smart devices. (Cable length 250 mm)

WIFIKIT10: Plug & Play module to be installed in the indoor unit for Wi-Fi control. (Cable length 450 mm)

WIFIKIT11: Plug & Play module to be installed in the indoor unit for Wi-Fi control, equipped with Bluetooth® connection to ensure a better connection with smart devices. (Cable length 450 mm)

The accessories WRCA and WIFIKIT / WIFIKIT10 are compatible with one another and can therefore be connected to the same indoor unit simultaneously.

GL40S: Air supply and flow grid with dimensions (600x600 mm) for cassette internal unit.

GL40: Air supply and flow grid with dimensions (840x840 mm) for cassette internal unit.

WRCA	DCK	CC2
WIFIKIT WIFIKIT10	WIFIKIT01 WIFIKIT11	IC-2P
GLG40	GLG40S	

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

ACCESSORIES COMPATIBILITY

CKG_FS

Accessory	CKG260FS	CKG360FS
CC2 (1)	•	•
WRCA (1)	•	•

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

Accessory	CKG260FS	CKG360FS
IC-2P	•	•

MLG_FS

Accessory	MLG500FS
CC2 (1)	•
WRCA (1)	•

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

Accessory	MLG500FS
IC-2P	•

MLG_D

Accessory	MLG250D	MLG350D	MLG500D	MLG600D	MLG700D
CC2 (1)	•	•	•	•	•

(1) Auto-restart function.
The WRCA accessory is supplied with the MLG_D indoor units.
In order to use accessory CC2, for each indoor unit, the WRCA wired panel (accessory) must be installed, with the IC-2P adapter accessory

Accessory	MLG250D	MLG350D	MLG500D	MLG600D	MLG700D
IC-2P	•	•	•	•	•

MLG_CS

Accessory	MLG350CS	MLG500CS
CC2 (1)	•	•
WRCA (1)	•	•

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

Accessory	MLG350CS	MLG500CS
IC-2P	•	•

Accessory	MLG350CS	MLG500CS
DCK	•	•

Accessory	MLG350CS	MLG500CS
GL40S (1)	•	•

(1) Mandatory accessory.

MLG_C

Accessory	MLG700C
CC2 (1)	•
WRCA (1)	•

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

Accessory	MLG700C
IC-2P	•

Accessory	MLG700C
DCK	•

Accessory	MLG700C
GL40 (1)	•

(1) Mandatory accessory.

MLG_F

Accessory	MLG250F	MLG350F	MLG500F	MLG700F
CC2 (1)	•	•	•	•
WRCA (1)	•	•	•	•
WRCB (1)	•	•	•	•

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

Accessory	MLG250F	MLG350F	MLG500F	MLG700F
IC-2P	•	•	•	•

INDOOR UNIT VERSIONS AVAILABLE

Nominal cooling capacity in kBTU/h	Indoor units				
9	CKG260FS	MLG250D		MLG250F	
12	CKG360FS	MLG350D	MLG350CS	MLG350F	
18		MLG500D	MLG500CS	MLG500F	MLG500FS
21		MLG600D			
24		MLG700D	MLG700C	MLG700F	

ALLOWED COMBINATIONS OF INDOOR UNITS

For trialsplit, quadrisplit, pentasplit it is mandatory to install at least 2 indoor units for correct functioning of the system.

For further information, please refer to the technical documentation on the website www.aermec.com

MLG420 (14kBtu/h)		MLG520 (18kBtu/h)		MLG630 (21kBtu/h)		MLG730 (24kBtu/h)		MLG840 (28kBtu/h)		
No. indoor unit										
1	2	1	2	2	3	2	3	2	3	4
7	7+7	9	7+7	7+7	7+7+7	7+7	7+7+7	7+7	7+7+7	7+7+7+7
9	7+9	12	7+9	7+9	7+7+9	7+9	7+7+9	7+9	7+7+9	7+7+7+9
12	7+12		7+12	7+12	7+7+12	7+12	7+7+12	7+12	7+7+12	7+7+7+12
	9+9		9+18	7+18	7+9+9	7+18	7+7+18	7+18	7+7+18	7+7+7+18
	9+12		9+12	9+9	7+9+12	9+9	7+9+9	9+9	7+9+9	7+7+9+9
			12+12	9+12	7+12+12	9+12	7+9+12	9+12	7+9+12	7+7+9+12
				9+18	9+9+9	9+18	7+9+18	9+18	7+9+18	7+7+9+18
				12+12	9+9+12	12+12	7+12+12	12+12	7+12+12	7+7+12+12
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						18+18	9+9+12	18+18	9+9+9	7+9+9+12
							9+9+18		9+9+12	7+9+12+12
							9+12+12		9+9+18	9+9+9+9
							12+12+12		9+12+12	9+9+9+12
									9+12+18	9+9+12+12
									12+12+12	
									12+12+18	

MLG1040 (36kBtu/h)			MLG1250 (42kBtu/h)			
No. indoor unit						
2	3	4	2	3	4	5
7+12	7+7+7	7+7+7+7	7+18	7+7+7	7+7+7+7	7+7+7+7+7
7+18	7+7+9	7+7+7+9	7+21	7+7+9	7+7+7+9	7+7+7+7+9
7+21	7+7+12	7+7+7+12	7+24	7+7+12	7+7+7+12	7+7+7+7+12
7+24	7+7+18	7+7+7+18	9+12	7+7+18	7+7+7+18	7+7+7+7+18
9+9	7+7+21	7+7+7+21	9+18	7+7+21	7+7+7+21	7+7+7+7+21
9+12	7+7+24	7+7+7+24	9+21	7+7+24	7+7+7+24	7+7+7+7+24
9+18	7+9+9	7+7+9+9	9+24	7+9+9	7+7+7+9+9	7+7+7+9+9
9+21	7+9+12	7+7+9+12	12+12	7+9+12	7+7+9+12	7+7+7+9+12
9+24	7+9+18	7+7+9+18	12+18	7+9+18	7+7+9+18	7+7+7+9+18
12+12	7+9+21	7+7+9+21	12+21	7+9+21	7+7+9+21	7+7+7+9+21
12+18	7+9+24	7+7+9+24	12+24	7+9+24	7+7+9+24	7+7+7+9+24
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12+24	7+12+18	7+7+12+18	18+21	7+12+18	7+7+12+18	7+7+7+12+18
18+18	7+12+21	7+7+12+21	18+24	7+12+21	7+7+12+21	7+7+7+12+21
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	7+21+24	7+9+9+18		7+21+24	7+7+21+24	7+7+9+9+9
	9+9+9	7+9+9+21		7+24+24	7+7+24+24	7+7+9+9+12
	9+9+12	7+9+9+24		9+9+9	7+9+9+9	7+7+9+9+18
	9+9+18	7+9+12+12		9+9+12	7+9+9+12	7+7+9+9+21
	9+9+21	7+9+12+18		9+9+18	7+9+9+18	7+7+9+9+24
	9+9+24	7+9+12+21		9+9+21	7+9+9+21	7+7+9+12+12
	9+12+12	7+9+12+24		9+9+24	7+9+9+24	7+7+9+12+18
	9+12+18	7+9+18+18		9+12+12	7+9+12+12	7+7+9+12+21
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	9+18+21	**9+9+9+9**		9+18+18	7+9+18+18	7+7+12+12+18
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	9+21+21	9+9+9+18		9+18+24	7+9+18+24	7+7+12+12+24
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	12+18+24	9+12+12+18		12+18+18	7+12+18+21	7+9+9+12+18
	12+21+21	9+12+12+21		12+18+21	7+12+18+24	7+9+9+12+21
	18+18+18	12+12+12+12		12+18+24	7+12+21+21	7+9+9+12+24
		12+12+12+18		12+21+21	7+18+18+18	7+9+9+18+18
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				12+24+24	9+9+9+12	7+9+12+12+18
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				18+18+24	9+9+9+24	7+12+12+12+18
				18+21+21	9+9+12+12	9+9+9+9+9
				18+21+24	9+9+12+18	9+9+9+9+12
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					9+9+12+24	9+9+9+9+21
					9+9+18+18	9+9+9+9+24
					9+12+12+12	9+9+9+12+12
					9+12+12+18	9+9+9+12+18
					9+12+12+21	9+9+9+12+21
					9+12+12+24	9+9+9+12+24
					9+12+18+18	9+9+9+18+18
					9+12+18+21	9+9+12+12+12
					9+12+18+24	9+9+12+12+18
					9+12+21+21	9+9+12+12+21
					9+18+18+18	9+12+12+12+12
					12+12+12+12	9+12+12+12+18
					12+12+12+18	12+12+12+12+12
					12+12+12+21	
					12+12+12+24	
					12+12+18+18	
					12+12+18+21	

  Reference combinations

OUTDOOR UNIT PERFORMANCE DATA

		MLG420	MLG520	MLG630	MLG730	MLG840	MLG1040	MLG1250
Nominal cooling performances								
Cooling capacity (1)	kW	4,10	5,20	6,10	7,10	8,00	10,50	12,00
Cooling input power (1)	kW	1,20	1,45	1,74	1,95	2,30	3,10	3,45
EER (2)	W/W	3,42	3,59	3,51	3,64	3,48	3,39	3,48
Minimum cooling performances								
Cooling capacity	kW	2,05	2,14	2,20	2,29	2,29	2,60	2,60
Cooling input power	kW	0,55	0,55	0,95	1,10	1,20	1,60	2,40
Maximum cooling performances								
Cooling capacity	kW	4,40	5,80	7,33	8,50	10,26	12,00	13,00
Cooling input power	kW	1,40	1,56	2,39	2,87	3,58	4,00	4,00
Cooling input current	A	5,3	6,4	7,7	8,7	10,2	14,0	16,0
Seasonal efficiency								
SEER	W/W	6,10	6,10	6,10	6,10	6,10	6,10	6,10
Efficiency energy class (3)		A++	A++	A++	A++	A++	A++	A++
Pdesignc	kW	4,1	5,2	6,1	7,1	8,0	10,5	12,0
Annual power consumption	kWh/annum	235	298	350	407	459	602	689
Nominal heating performances								
Heating capacity (4)	kW	4,40	5,40	6,50	8,50	9,50	12,00	13,00
Heating input power (4)	kW	1,02	1,30	1,60	2,20	2,65	3,20	3,50
COP (2)	W/W	4,31	4,15	4,06	3,86	3,58	3,75	3,71
Minimum heating performances								
Heating capacity	kW	2,49	2,58	3,61	3,66	3,66	2,60	2,60
Heating input power	kW	0,60	0,78	0,78	0,98	1,00	1,71	2,24
Maximum heating performances								
Heating capacity	kW	5,42	5,92	8,50	8,79	10,26	13,50	14,50
Heating input power	kW	1,78	1,78	2,87	2,87	2,87	4,00	4,00
Heating input current	A	4,5	5,8	7,1	9,8	11,8	13,0	15,0
Seasonal efficiency (temperate climate)								
SCOP	W/W	4,00	4,00	4,00	4,00	4,00	4,00	4,00
Efficiency energy class (3)		A+	A+	A+	A+	A+	A+	A+
Pdesignh	kW	3,8	3,8	6,1	6,1	7,2	10,5	11,8
Annual power consumption	kWh/annum	1330	1330	2135	2135	2520	3675	4130
Outdoor unit								
Type of fan	Type	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial
Air flow rate								
Maximum	m³/h	2600	2600	3200	4000	4000	7200	7200
Sound power (5)								
Maximum	dB(A)	65,0	65,0	68,0	68,0	68,0	70,0	70,0
Sound pressure (6)								
Maximum	dB(A)	55,0	55,0	58,0	58,0	58,0	60,0	60,0
Compressor								
Type	type	Rotatativo inverter	Rotatativo inverter	Rotatativo inverter	Rotatativo inverter	Rotatativo inverter	Rotatativo inverter	Rotatativo inverter
Compressor								
Refrigerant	type	R32	R32	R32	R32	R32	R32	R32
Compressor								
Refrigerant charge	kg	1,05	1,05	1,60	1,80	2,00	2,75	2,75
Potential global heating	GWP	675kgCO₂eq	675kgCO₂eq	675kgCO₂eq	675kgCO₂eq	675kgCO₂eq	675kgCO₂eq	675kgCO₂eq
Equivalent CO₂	t	0,71	0,71	1,08	1,22	1,35	1,86	1,86
Electric data								
Rated power input (7)	kW	1,8	1,9	2,9	2,9	3,6	4,0	4,0
Rated current input (7)	A	7,9	8,3	12,7	12,7	15,9	20,0	20,0
Refrigeration pipework								
Maximum refrigerant tube length	m	20	20	60	60	70	75	75
Maximum single cooling line length	m	10	10	20	20	20	25	25
Maximum unit (indoor/external) cooling line level difference in height	m	5,0	5,0	10,0	10,0	10,0	7,5	7,5
Maximum (indoor/outdoor) cooling line level difference	m	5,0	5,0	10,0	10,0	10,0	15,0	15,0
Power supply								
Outdoor unit power supply		220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz

(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.
(5) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
(6) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.
(7) 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.
All technical data refer to the respective allowed combinations of indoor units.

INDOOR UNIT PERFORMANCE DATA

CKG_FS

		CKG260FS	CKG360FS
Nominal cooling performances			
Cooling capacity (1)	kW	2,70	3,50
Moisture removed	l/h	0,8	1,2
Nominal heating performances			
Heating capacity (2)	kW	2,90	3,80
Indoor unit			
Type of fan	Type	Inverter centrifugal	
Air flow rate			
Minimum	m³/h	280	360
Maximum	m³/h	430	520
Sound power (3)			
Minimum	dB(A)	38,0	39,0
Maximum	dB(A)	48,0	50,0
Sound pressure (4)			
Minimum	dB(A)	26,0	29,0
Maximum	dB(A)	36,0	40,0
Indoor unit			
Condensate discharge diameter	mm	17,0	17,0
Power supply			
Indoor unit power supply		220-240V ~ 50Hz	

(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) 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.
(3) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
(4) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MLG_FS

		MLG500FS
Nominal cooling performances		
Cooling capacity (1)	kW	5,20
Moisture removed	l/h	3,8
Nominal heating performances		
Heating capacity (2)	kW	5,33
Electric data		
Rated power input (3)	W	50
Indoor unit		
Type of fan	Type	Inverter centrifugal
Air flow rate		
Minimum	m³/h	320
Maximum	m³/h	650
Sound power (4)		
Minimum	dB(A)	45,0
Maximum	dB(A)	55,0
Sound pressure (5)		
Minimum	dB(A)	35,0
Maximum	dB(A)	45,0
Indoor unit		
Condensate discharge diameter	mm	28,0
Power supply		
Indoor unit power supply		220-240V ~ 50Hz

(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) 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.
(3) 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.
(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MLG_D

		MLG250D	MLG350D	MLG500D	MLG600D	MLG700D
Nominal cooling performances						
Cooling capacity (1)	kW	2,50	3,50	5,00	6,00	7,10
Moisture removed	l/h	0,8	1,4	1,8	2,0	2,5
Nominal heating performances						
Heating capacity (2)	kW	2,80	3,85	5,50	6,60	8,00
Electric data						
Rated power input (3)	W	75	85	110	110	110
Indoor unit						
Type of fan	Type			Inverter centrifugal		
Air flow rate						
Minimum	m³/h	280	300	500	550	550
Maximum	m³/h	450	550	700	1000	1000
Sound power (4)						
Minimum	dB(A)	41,0	42,0	43,0	44,0	44,0
Maximum	dB(A)	47,0	49,0	51,0	52,0	52,0
Sound pressure (5)						
Minimum	dB(A)	31,0	32,0	33,0	34,0	34,0
Maximum	dB(A)	37,0	39,0	41,0	42,0	42,0
Indoor unit						
Condensate discharge diameter	mm	26,0	26,0	26,0	26,0	26,0
Power supply						
Indoor unit power supply				220-240V ~ 50Hz		

(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) 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.
(3) 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.
(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MLG_CS

		MLG350CS	MLG500CS
Nominal cooling performances			
Cooling capacity (1)	kW	3,50	4,50
Moisture removed	l/h	1,4	1,8
Nominal heating performances			
Heating capacity (2)	kW	4,00	5,00
Electric data			
Rated power input (3)	W	30	40
Indoor unit			
Type of fan	Type		Inverter centrifugal
Air flow rate			
Minimum	m³/h	450	450
Maximum	m³/h	560	670
Sound power (4)			
Minimum	dB(A)	45,0	46,0
Maximum	dB(A)	52,0	56,0
Sound pressure (5)			
Minimum	dB(A)	34,0	35,0
Maximum	dB(A)	41,0	45,0
Indoor unit			
Condensate discharge diameter	mm	25,0	25,0
Power supply			
Indoor unit power supply			220-240V ~ 50Hz

(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) 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.
(3) 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.
(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MLG_C

Nominal cooling performances		MLG700C
Cooling capacity (1)	kW	7,10
Moisture removed	l/h	2,5
Nominal heating performances		
Heating capacity (2)	kW	8,00
Electric data		
Rated power input (3)	W	60
Indoor unit		
Type of fan	Type	Inverter centrifugal
Air flow rate		
Minimum	m³/h	880
Maximum	m³/h	1220
Sound power (4)		
Minimum	dB(A)	47,0
Maximum	dB(A)	56,0
Sound pressure (5)		
Minimum	dB(A)	36,0
Maximum	dB(A)	45,0
Indoor unit		
Condensate discharge diameter	mm	25,0
Power supply		
Indoor unit power supply		220-240V ~ 50Hz

(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) 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.
(3) 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.
(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

MLG_F

Nominal cooling performances		MLG250F	MLG350F	MLG500F	MLG700F
Cooling capacity (1)	kW	2,60	3,50	4,50	7,10
Moisture removed	l/h	0,8	1,4	1,8	2,5
Nominal heating performances					
Heating capacity (2)	kW	2,70	4,00	5,00	8,00
Electric data					
Rated power input (3)	W	38	38	38	60
Indoor unit					
Type of fan	Type		Inverter centrifugal		
Air flow rate					
Minimum	m³/h	420	420	410	720
Maximum	m³/h	610	610	590	870
Sound power (4)					
Minimum	dB(A)	40,0	40,0	40,0	41,0
Maximum	dB(A)	49,0	49,0	49,0	52,0
Sound pressure (5)					
Minimum	dB(A)	26,0	26,0	26,0	27,0
Maximum	dB(A)	35,0	35,0	35,0	35,0
Indoor unit					
Condensate discharge diameter	mm	17,0	17,0	17,0	17,0
Power supply					
Indoor unit power supply			220-240V ~ 50Hz		

(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) 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.
(3) 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.
(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
(5) Sound pressure measured in semi anechoic chamber at a distance of 1,5 m from the source.

ADAPTERS SUPPLIED WITH THE OUTDOOR UNIT

Models	MLG420	MLG520	MLG630	MLG730	MLG840	MLG1040	MLG1250	Connections mm (inch)	
								Outdoor unit	Indoor unit
	1	1	2	2	2			9,52mm (3/8")	12,7mm (1/2")
Quantity						2	2	6,35mm (1/4")	9,52mm (3/8")
						2	3	12,7mm (1/2")	15,9mm (5/8")
						4	4	9,52mm (3/8")	12,7mm (1/2")

For further information, please refer to the technical documentation on the website www.aermec.com

www.aermec.com MLG_Y_UN50_15

INDOOR UNIT COOLING FITTINGS

CKG_FS

		CKG260FS	CKG360FS
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")

MLG_FS

		MLG500FS
Refrigeration pipework		
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")
Diameter of refrigerant gas connections	mm (inch)	12,7 (1/2")

MLG_D

		MLG250D	MLG350D	MLG500D	MLG600D	MLG700D
Refrigeration pipework						
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	9,52 (3/8")	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")	9,52 (3/8")	12,7 (1/2")	15,9 (5/8")	15,9 (5/8")

MLG_CS

		MLG350CS	MLG500CS
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")	12,7 (1/2")

MLG_C

		MLG700C
Refrigeration pipework		
Diameter of liquid refrigerant connections	mm (inch)	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	15,9 (5/8")

MLG_F

|		MLG250F	MLG350F	MLG500F	MLG700F
Refrigeration pipework					
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4)	6,35 (1/4)	6,35 (1/4)	9,52 (3/8)
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8)	9,52 (3/8)	12,7 (1/2)	15,9 (5/8)

OUTDOOR UNIT COOLING FITTINGS

| Models			MLG420 14kBtu/h	MLG520 18kBtu/h	MLG630 21kBtu/h	MLG730 24kBtu/h	MLG840 28kBtu/h	MLG1040 36kBtu/h	MLG1250 42kBtu/h
Liquid connections	A	mm (inch)	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")
	B	mm (inch)	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")
	C	mm (inch)			6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")	6,35 (1/4")
	D	mm (inch)					6,35 (1/4")	6,35 (1/4")	6,35 (1/4")
	E	mm (inch)							6,35 (1/4")
Gas connections	A	mm (inch)	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")
	B	mm (inch)	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")
	C	mm (inch)			9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")	9,52 (3/8")
	D	mm (inch)					9,52 (3/8")	9,52 (3/8")	9,52 (3/8")
	E	mm (inch)							9,52 (3/8")

INDOOR UNIT WEIGHTS AND DIMENSIONS

CKG_FS
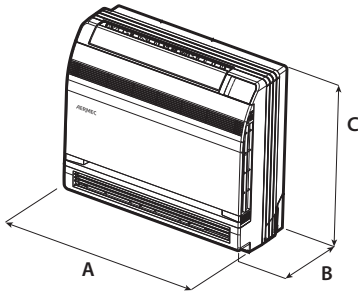
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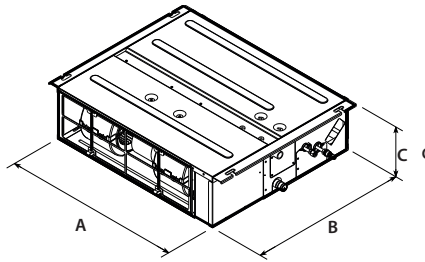
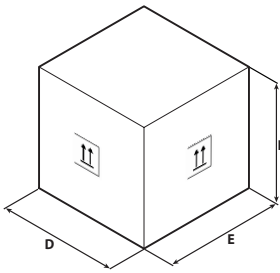MLG_CS / MLG_C
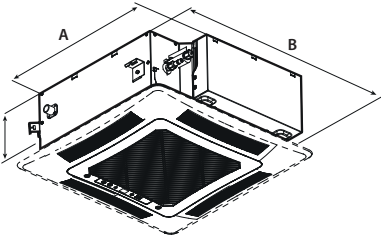
GL40S / GL40
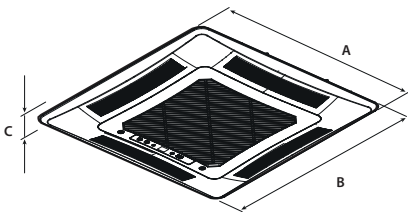
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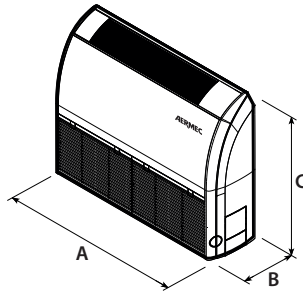
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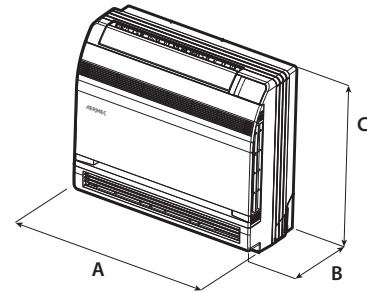
Carton Box Example

CKG_FS

		CKG260FS	CKG360FS
Indoor unit			
A	mm	700	700
B	mm	215	215
C	mm	600	600
D	mm	788	788
E	mm	283	283
F	mm	697	697
Net weight	kg	15,5	15,5
Weight for transport	kg	18,5	18,5

MLG_FS

		MLG250FS	MLG350FS	MLG500FS
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	16,0	16,0	16,0
Weight for transport	kg	19,0	19,0	19,0

MLG_D

Indoor unit		MLG250D	MLG350D	MLG500D	MLG600D	MLG700D
A	mm	700	700	900	1100	1100
B	mm	615	615	615	615	615
C	mm	200	200	200	200	200
D	mm	893	893	1123	1323	1323
E	mm	743	743	743	743	743
F	mm	305	305	305	305	305
Net weight	kg	21,0	22,0	26,0	30,0	30,0
Weight for transport	kg	26,0	28,0	32,0	40,0	40,0

MLG_CS

Indoor unit		MLG350CS	MLG500CS
A	mm	666	666
B	mm	596	596
C	mm	240	240
D	mm	778	778
E	mm	738	738
F	mm	300	300
Net weight	kg	20,0	20,0
Weight for transport	kg	24,0	24,0

MLG_C

Indoor unit		MLG700C
A	mm	840
B	mm	840
C	mm	240
D	mm	963
E	mm	963
F	mm	325
Net weight	kg	26,0
Weight for transport	kg	32,0

GL40S / GL40

Indoor unit		GL40	GL40S
A	mm	950	670
B	mm	950	670
C	mm	60	50
D	mm	1038	763
E	mm	1033	763
F	mm	133	105
Net weight	kg	7,0	4,0
Weight for transport	kg	11,0	5,0

Mandatory accessory to be provided when ordering.

MLG_F

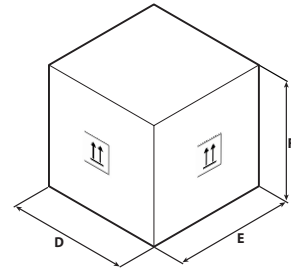| Indoor unit		MLG250F	MLG350F	MLG500F	MLG700F
A	mm	870	870	870	1200
B	mm	235	235	235	235
C	mm	665	665	665	665
D	mm	1033	1033	1033	1363
E	mm	300	300	300	300
F	mm	770	770	770	770
Net weight	kg	25,0	25,0	26,0	33,0
Weight for transport	kg	30,0	30,0	31,0	40,0

OUTDOOR UNIT WEIGHTS AND DIMENSIONS
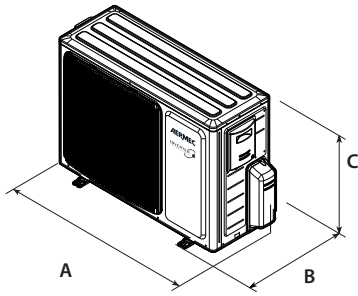
MLG420 - MLG520 - MLG630
MLG730 - MLG840
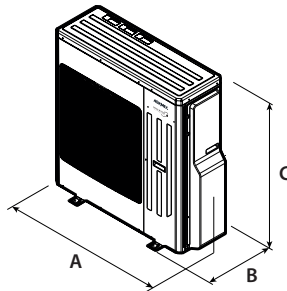
MLG1040 - MLG1250

Carton Box Example

MLG

		MLG420	MLG520	MLG630	MLG730	MLG840	MLG1040	MLG1250
Outdoor unit								
A	mm	899	899	963	1001	1001	1098	1098
B	mm	378	378	396	427	427	440	440
C	mm	596	596	700	790	790	1106	1106
D	mm	948	948	1029	1083	1083	1158	1158
E	mm	420	420	458	488	488	483	483
F	mm	645	645	750	855	855	1235	1235
Net weight	kg	43,0	43,0	55,0	68,0	69,0	90,0	90,0
Weight for transport	kg	46,0	46,0	60,0	73,0	74,0	98,0 (1)	98,0 (1)

(1) Packaging + pallet

Aermec reserves the right to make any modifications deemed necessary.
All data is subject to change without notice. Aermec does not assume
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