MPG

Multisplit

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

- **Refrigerant gas R32**
- **Wi-fi control using the relative accessory.**
- **Modern design to blend with all furnishing styles.**
- **Wide choice of indoor units available.**
- **Special coil with fin blue coating.**

MPG_CS / MPG_C

SBG_W

MPG_D / MPG_DH

CKG_FS

MLG_F

DESCRIPTION

The multisplit air conditioners of the MPG range are combined with:
— **SBG_W Wall**, for wall installation.
— **CKG_FS Console**, for wall installation.
— **MLG_F Floor ceiling**, for wall and/or ceiling installation.
— **MPG_CS** and **MPG_CCassette**, for false ceiling installation.
— **MPG_D** and **MPG_DHDuct**, for duct type horizontal installation.
Outdoor units equipped with base electric resistance to avoid the possible formation of ice and facilitate the disposal of condensate during heating operation, compressor and fan with DC inverter technology and electronic expansion valve.

TYPE OF INDOOR UNIT

SBG_W indoor unit

Wall indoor unit designed to be installed on indoor walls.
Universal indoor units: some indoor units can be combined with both multisplit outdoor units of the series MPG and monosplit outdoor units of the series SBG:

	Indoor units SBG_W				
	SBG200W	SBG250W	SBG350W	SBG500W	SBG700W
Monosplit outdoor units SBG		•	•	•	•
Multisplit utdoor units MPG	•	•	•	•	•

— 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.
— 4-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.

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 directly controlled from a distance on your smartphone or tablet. Remote control is possible via Cloud, using a wireless router connected to the Internet.

CKG_FS indoor unit

Console indoor unit designed to be installed on indoor floors.
Universal indoor units: all indoor units can be combined with both multi-split outdoor units of the series MPG and monosplit outdoor units of the series CKG.



— 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.

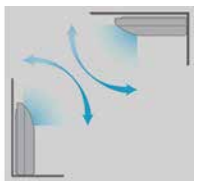
Air Purifiers (Cold Plasma)

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_F indoor unit

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

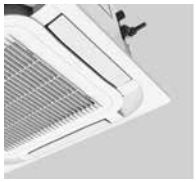




— Every indoor unit comes with a remote control and a remote control holder.
— Fan with DC inverter technology.
— Regenerable air filter easy to remove and clean.
— Timer for programming switch-off and switch-on.
— Auxiliary emergency command integrated into the unit.
— Indoor unit front panel with LED 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.

MPG_CS indoor unit

Indoor unit **cassette** of dimensions (570x570 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.
— 7-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.

MPG_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.
— 7-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.

MPG_D indoor unit

Duct indoor unit designed for indoor duct type installation.

— Every indoor unit comes with a remote control and a remote control holder.
— **WRCB** 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.
— 7-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.

MPG_DH indoor unit

Duct indoor unit designed for indoor duct type installation.

— Every indoor unit comes with a remote control and a remote control holder.
— **WRCB** 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.
— 7-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.

General features

— Operating mode: cooling, heating, dehumidification, automatic and fan only.
— Particularly quiet operation.
— Microproccessor control.
— **Auto-restart** function.
— **Self-diagnosis** function.
— Refrigerant lines with flared connections.
— 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.

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.

Supplied components for indoor units

Models	SBG_W	CKG_FS	MLG_F	MPG_CS	MPG_C	MPG_D	MPG_DH
Remote control	•	•	•	•	•	•	•
Remote control holder	•	•	•	•	•	•	•
WRCB wired panel WRCB with integrated Wi-Fi module						•	•
Air Purifiers (Cold Plasma)		•					
Wi-Fi module	•	•					
Condensate discharge pump				•	•	•	•

TYPE OF OUTDOOR UNIT

MPG outdoor unit

Multisplit reversible air/air heat pump with DC inverter technology.

Types:

— **Dualsplit**: outdoor units MPG420 and MPG520 can be combined with 1 or 2 indoor units.

— **Trialsplit**: outdoor units MPG630 and MPG730 can be combined with 2 or 3 indoor units.

— **Quadrisplit**: outdoor unit MPG840 and MPG1040 can be combined with 2, 3 or 4 indoor units.

— **Pentasplit**: outdoor unit MPG1250 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.

INDOOR UNIT VERSIONS AVAILABLE

Nominal cooling capacity in kBTU/h	Indoor units						
7	SBG200W						
9	SBG250W	CKG261FS	MLG250F			MPG250D	MPG250DH
12	SBG350W	CKG361FS	MLG350F	MPG350CS		MPG350D	MPG350DH
18	SBG500W	CKG501FS	MLG500F	MPG500CS		MPG500D	MPG500DH
24	SBG700W		MLG700F		MPG700C	MPG700D	MPG700DH

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

MPG420 (14kBTU/h)		MPG520 (18kBTU/h)		MPG630 (21kBTU/h)	
No. indoor units					
1	2	1	2	2	3
7	**7+7**	9	7+7	7+7	**7+7+7**
9	7+9	12	7+9	7+9	7+7+9
12	7+12		7+12	7+12	7+7+12
	9+9		**9+9**	7+18	7+9+9
	9+12		9+12	9+9	7+9+12
			12+12	9+12	7+12+12
				9+18	9+9+9
				12+12	9+9+12
				12+18	

MPG730 (24kBTU/h)		MPG840 (28kBTU/h)		
2	3	2	3	4
7+7	7+7+7	7+7	7+7+7	**7+7+7+7**
7+9	7+7+9	7+9	7+7+9	7+7+7+9
7+12	7+7+12	7+12	7+7+12	7+7+7+12
7+18	7+7+18	7+18	7+7+18	7+7+7+18
9+9	**7+9+9**	9+9	7+9+9	7+7+9+9
9+12	7+9+12	9+12	7+9+12	7+7+9+12
9+18	7+9+18	9+18	7+9+18	7+7+9+18
12+12	7+12+12	12+12	7+12+12	7+7+12+12
12+18	9+9+9	12+18	7+12+18	7+9+9+9
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	

Any configuration outside of those listed in the above tables will cause errors on the external drives, resulting in system failure and/or damage.

MPG1040 (36kBTU/h)			MPG1250 (42kBTU/h)					
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+12+12+12	7+7+7+7+7	7+9+9+9+9
7+18	7+7+9	7+7+7+9	7+24	7+7+9	7+7+7+9	7+12+12+24	7+7+7+7+9	7+9+9+9+12
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9+12	7+7+24	7+7+7+24	9+24	7+7+24	7+7+7+24	7+18+18+18	7+7+7+7+24	7+9+9+12+12
9+18	7+9+9	7+7+9+9	12+12	7+9+9	7+7+9+9	9+9+9+9	7+7+7+9+9	7+9+9+12+18
9+24	7+9+12	7+7+9+12	12+18	7+9+12	7+7+9+12	9+9+9+12	7+7+7+9+12	7+9+9+12+24
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12+24	7+12+12	7+7+12+12	18+24	7+12+12	7+7+12+12	**9+9+12+12**	7+7+7+12+12	7+9+12+12+18
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		9+12+12+12		18+18+18				
		9+12+12+18		18+18+24				
		12+12+12+12						
		12+12+12+18						

Any configuration outside of those listed in the above tables will cause errors on the external drives, resulting in system failure and/or damage.

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 MPG systems.**

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.
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)

The accessories WRCA and WIFIKIT01 are compatible with one another and can therefore be connected to the same indoor unit simultaneously.

GLG40S: Air supply and flow grid with dimensions (620x620 mm) for cassette internal unit.
GLG40: Air supply and flow grid with dimensions (950x950 mm) for cassette internal unit.

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

ACCESSORIES COMPATIBILITY

SBG_W

Accessory	SBG250W	SBG350W	SBG500W	SBG700W
CC2 (1)	•	•	•	•
WRCA (1)	•	•	•	•

(1) Auto-restart function.

Accessory	SBG200W	SBG250W	SBG350W	SBG500W	SBG700W
IC-2P	•	•	•	•	•

Accessory	SBG250W	SBG350W	SBG500W	SBG700W
DCK	•	•	•	•

CKG_FS

Accessory	CKG261FS	CKG361FS	CKG501FS
CC2 (1)	•	•	•
WRCA (1)	•	•	•

(1) Auto-restart function.

Accessory	CKG261FS	CKG361FS	CKG501FS
IC-2P	•	•	•

MLG_F

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

(1) Auto-restart function.

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

Accessory	MLG250F	MLG350F	MLG500F	MLG700F
DCK	•	•	•	•

MPG_CS

Accessory	MPG350CS	MPG500CS	MPG700C
CC2 (1)	•	•	•
WRCA (1)	•	•	•
WRCB (1)	•	•	•

(1) Auto-restart function.

Accessory	MPG350CS	MPG500CS	MPG700C
IC-2P	•	•	•

Accessory	MPG350CS	MPG500CS	MPG700C
GLG40 (1)			•
GLG40S (1)	•	•	

(1) Mandatory accessory.

Accessory	MPG350CS	MPG500CS	MPG700C
DCK	•	•	•

MPG_C

Accessory	MPG700C
CC2 (1)	•
WRCA (1)	•
WRCB (1)	•

(1) Auto-restart function.

Accessory	MPG700C
IC-2P	•

Accessory	MPG700C
GLG40 (1)	•

(1) Mandatory accessory.

Accessory	MPG700C
DCK	•

MPG_D

Accessory	MPG250D	MPG350D	MPG500D	MPG700D
CC2 (1)	•	•	•	•
WRCA (1)	•	•	•	•
WRCB (1)	•	•	•	•

(1) Auto-restart function.
Wired panel WRCB standard supply.

Accessory	MPG250D	MPG350D	MPG500D	MPG700D
IC-2P	•	•	•	•

Accessory	MPG250D	MPG350D	MPG500D	MPG700D
DCK	•	•	•	•

MPG_DH

Accessory	MPG250DH	MPG350DH	MPG500DH	MPG700DH
CC2 (1)	•	•	•	•
WRCA (1)	•	•	•	•
WRCB (1)	•	•	•	•

(1) Auto-restart function.
Wired panel WRCB standard supply.

Accessory	MPG250DH	MPG350DH	MPG500DH	MPG700DH
IC-2P	•	•	•	•

Accessory	MPG250DH	MPG350DH	MPG500DH	MPG700DH
DCK	•	•	•	•

OUTDOOR UNIT PERFORMANCE DATA

		MPG420	MPG520	MPG630	MPG730	MPG840	MPG1040	MPG1250
Nominal cooling performances								
Cooling capacity (1)	kW	4,10	5,30	6,10	7,10	8,00	10,60	12,10
Cooling input power (1)	kW	1,10	1,48	1,48	1,88	2,12	3,00	3,40
EER (2)	W/W	3,73	3,58	4,12	3,78	3,77	3,53	3,56
Minimum cooling performances								
Cooling capacity	kW	2,05	2,14	2,20	2,30	2,30	2,60	2,60
Cooling input power	kW	0,20	0,30	0,40	0,60	0,80	0,60	0,60
Maximum cooling performances								
Cooling capacity	kW	5,00	5,80	8,30	9,20	11,00	12,00	15,20
Cooling input power	kW	2,20	2,50	2,90	3,40	3,60	4,60	4,60
Seasonal efficiency								
SEER	W/W	6,70	6,50	6,90	6,50	6,10	6,50	6,48
Annual power consumption	kWh/annum	214	285	309	382	459	571	-
Efficiency energy class (3)		A++	A++	A++	A++	A++	A++	-
Nominal heating performances								
Heating capacity (4)	kW	4,40	5,65	6,50	8,60	9,50	12,00	13,00
Heating input power (4)	kW	0,97	1,25	1,43	2,23	2,20	3,04	3,19
COP (2)	W/W	4,54	4,52	4,55	3,86	4,32	3,95	4,08
Minimum heating performances								
Heating capacity	kW	2,49	2,58	3,60	3,65	3,65	3,00	3,00
Heating input power	kW	0,30	0,40	0,40	0,60	0,70	0,80	0,80
Maximum heating performances								
Heating capacity	kW	5,40	6,50	8,50	9,20	10,25	14,00	15,50
Heating input power	kW	2,25	2,50	2,90	3,00	3,60	5,00	5,00
Seasonal efficiency (temperate climate)								
SCOP	W/W	4,00	4,00	3,80	3,80	4,00	3,80	3,80
Annual power consumption	kWh/annum	1295	1435	2247	2247	2345	3795	-
Efficiency energy class (3)		A+	A+	A	A	A+	A	-
Outdoor unit								
Type of fan	type	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial
Air flow rate								
Maximum	m^3/h	2.300	2.300	3.800	3.800	3.800	5.800	5.800
Sound power (5)								
Maximum	dB(A)	62,0	64,0	68,0	68,0	68,0	70,0	74,0
Sound pressure (1 m) (6)								
Maximum	dB(A)	52,0	54,0	58,0	58,0	58,0	60,0	60,0
Compressor								
Type	type	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary
Refrigerant	type	R32	R32	R32	R32	R32	R32	R32
Refrigerant charge	kg	0,75	0,90	1,60	1,70	1,80	2,40	2,40
Potential global heating (GWP)		675kgCO_2eq	675kgCO_2eq	675kgCO_2eq	675kgCO_2eq	675kgCO_2eq	675kgCO_2eq	675kgCO_2eq
Equivalent CO_2	tCO_2eq	0,51	0,61	1,08	1,15	1,22	1,62	1,62
Electric data								
Rated power input (7)	kW	2,30	2,50	2,90	3,40	3,60	5,00	5,00
Rated current input (7)	A	10,0	11,0	12,9	15,0	16,0	21,7	21,7
Refrigeration pipework								
Maximum refrigerant tube length	m	40	40	60	60	70	80	100
Maximum single cooling line length	m	20,0	20,0	20,0	20,0	20,0	25,0	25,0
Maximum unit (indoor/external) cooling line level difference in height	m	15,0	15,0	15,0	15,0	15,0	25,0	25,0
Maximum (indoor/outdoor) cooling line level difference	m	15,0	15,0	15,0	15,0	15,0	25,0	25,0
Refrigerant to be added	g/m	20	20	20	20	20	20	20
Diameter of liquid refrigerant connections	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")
Diameter of refrigerant gas connections	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")
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 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 reference combinations of the indoor units.

INDOOR UNIT PERFORMANCE DATA

SBG_W

		SBG200W	SBG250W	SBG350W	SBG500W	SBG700W
Nominal cooling performances						
Cooling capacity	kW	2,20	2,50	3,20	4,60	6,20
Moisture removed	l/h	0,60	0,60	1,40	1,80	1,80
Nominal heating performances						
Heating capacity	kW	2,40	2,80	3,40	5,20	6,50
Indoor unit						
Type of fan	type			Centrifugal		
Input power	W	20	20	20	45	45
Air flow rate						
Minimum	m^3/h	290	270	320	640	590
Average	m^3/h	420	390	400	810	690
Maximum	m^3/h	470	470	520	960	900
Turbo	m^3/h	500	500	590	1.000	1.050
Sound power (cooling)						
Minimum	dB(A)	37,0	38,0	38,0	44,0	51,0
Average	dB(A)	45,0	46,0	45,0	54,0	57,0
Maximum	dB(A)	49,0	51,0	49,0	58,0	61,0
Turbo	dB(A)	55,0	55,0	57,0	60,0	65,0
Sound power (heating)						
Minimum	dB(A)	38,0	42,0	40,0	50,0	53,0
Average	dB(A)	45,0	47,0	45,0	52,0	60,0
Maximum	dB(A)	49,0	52,0	49,0	58,0	63,0
Turbo	dB(A)	55,0	55,0	53,0	60,0	65,0
Sound pressure (cooling)						
Minimum	dB(A)	25,0	25,0	26,0	30,0	36,0
Average	dB(A)	33,0	33,0	33,0	41,0	42,0
Maximum	dB(A)	36,0	38,0	37,0	45,0	46,0
Turbo	dB(A)	39,0	40,0	41,0	47,0	50,0
Sound pressure (heating)						
Minimum	dB(A)	25,0	26,0	28,0	36,0	35,0
Average	dB(A)	32,0	32,0	33,0	38,0	42,0
Maximum	dB(A)	36,0	36,0	37,0	44,0	45,0
Turbo	dB(A)	38,0	39,0	41,0	46,0	47,0
Indoor unit						
Condensate discharge diameter	mm	16,0	16,0	16,0	16,0	16,0
Power supply						
Indoor unit power supply				220-240V ~ 50Hz		

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.
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.
Sound power measured in semi anechoic chamber at a distance of 1 m from the source, according to EN 12102.
Sound pressure measured in semi anechoic chamber at a distance of 1 m from the source, according to EN 12102.

CKG_FS

		CKG261FS	CKG361FS	CKG501FS
Nominal cooling performances				
Cooling capacity	kW	2,70	3,52	5,20
Moisture removed	l/h	0,80	1,20	1,80
Nominal heating performances				
Heating capacity	kW	2,90	3,80	5,33
Indoor unit				
Type of fan	type		Centrifugal	
Input power	W	Powered by the outdoor unit	Powered by the outdoor unit	Powered by the outdoor unit
Air flow rate				
Minimum	m^3/h	280	360	430
Average	m^3/h	370	440	520
Maximum	m^3/h	430	520	670
Turbo	m^3/h	500	600	750
Sound power (cooling)				
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 power (heating)				
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 (cooling)				
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 pressure (heating)				
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
Power supply				
Indoor unit power supply			220-240V ~ 50Hz	

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.
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.
Data in accordance with Delegated Regulation (EU) No. 626/2011.
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.
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.
Sound Pressure measured in Semi-Anechoic Chamber at 1,0m from the source, according to EN 12102-1:2017.
Sound Power measured in Semi-Anechoic Chamber at 1,0m from the source, according to EN 12102-1:2017.

MLG_F

		MLG250F	MLG350F	MLG500F	MLG700F
Nominal cooling performances					
Cooling capacity (1)	kW	2,60	3,50	4,50	7,10
Moisture removed	l/h	0,80	1,40	1,80	2,50
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		
Input power	W	38	38	38	60
Air flow rate					
Minimum	m^3/h	420	420	410	720
Average	m^3/h	540	540	520	800
Maximum	m^3/h	610	610	590	870
Turbo	m^3/h	700	700	680	950
Sound power (4)					
Minimum	dB(A)	40,0	40,0	40,0	41,0
Average	dB(A)	44,0	44,0	44,0	45,0
Maximum	dB(A)	49,0	49,0	49,0	52,0
Turbo	dB(A)	52,0	52,0	52,0	52,0
Sound pressure (5)					
Minimum	dB(A)	26,0	26,0	26,0	27,0
Average	dB(A)	30,0	30,0	30,0	31,0
Maximum	dB(A)	35,0	35,0	35,0	35,0
Turbo	dB(A)	38,0	38,0	38,0	38,0
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.
Sound power calculated in free field, in accordance with UNI EN ISO 3744.

MPG_CS

		MPG350CS	MPG500CS
Nominal cooling performances			
Cooling capacity (1)	kW	3,50	5,00
Moisture removed	l/h	1,40	1,80
Nominal heating performances			
Heating capacity (2)	kW	4,00	5,50
Indoor unit			
Type of fan	type	Inverter centrifugal	
Input power	W	30	35
Air flow rate			
Minimum	m^3/h	380	380
Average	m^3/h	450	450
Maximum	m^3/h	540	540
Turbo	m^3/h	560	650
Sound power (3)			
Minimum	dB(A)	46,0	46,0
Average	dB(A)	50,0	50,0
Maximum	dB(A)	55,0	55,0
Turbo	dB(A)	57,0	59,0
Sound pressure (1 m) (4)			
Turbo	dB(A)	41,0	43,0
Minimum	dB(A)	30,0	30,0
Average	dB(A)	34,0	34,0
Maximum	dB(A)	39,0	39,0
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) 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 m from the source.
Sound power calculated in free field, in accordance with UNI EN ISO 3744.

MPG_C

		MPG700C
Nominal cooling performances		
Cooling capacity (1)	kW	7,00
Moisture removed	l/h	2,50
Nominal heating performances		
Heating capacity (2)	kW	8,00
Indoor unit		
Type of fan	type	Inverter centrifugal
Input power	W	50
Air flow rate		
Minimum	m^3/h	830
Average	m^3/h	910
Maximum	m^3/h	1.050
Turbo	m^3/h	1.100
Sound pressure (1 m) (3)		
Turbo	dB(A)	44,0
Minimum	dB(A)	38,0
Average	dB(A)	40,0
Maximum	dB(A)	43,0
Sound power (4)		
Minimum	dB(A)	57,0
Average	dB(A)	59,0
Maximum	dB(A)	61,0
Turbo	dB(A)	62,0
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) Sound pressure measured in semi anechoic chamber at a distance of 1 m from the source.
(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
Sound power calculated in free field, in accordance with UNI EN ISO 3744.

MPG_D

		MPG250D	MPG350D	MPG500D	MPG700D
Nominal cooling performances					
Cooling capacity (1)	kW	2,65	3,50	5,00	7,00
Moisture removed	l/h	0,80	1,40	1,80	2,50
Nominal heating performances					
Heating capacity (2)	kW	2,80	4,00	5,50	8,00
Indoor unit					
Type of fan	type		Inverter centrifugal		
Input power	W	70	80	80	200
Air flow rate					
Minimum	m^3/h	220	300	420	900
Average	m^3/h	340	420	610	1.000
Maximum	m^3/h	450	540	720	1.200
Turbo	m^3/h	560	600	800	1.300
Sound pressure (1 m) (3)					
Turbo	dB(A)	32,0	36,0	36,0	46,0
Minimum	dB(A)	22,0	27,0	25,0	36,0
Average	dB(A)	22,0	27,0	25,0	36,0
Maximum	dB(A)	28,0	34,0	31,0	42,0
Sound power (4)					
Minimum	dB(A)	37,0	42,0	40,0	51,0
Average	dB(A)	40,0	46,0	43,0	55,0
Maximum	dB(A)	43,0	49,0	46,0	57,0
Turbo	dB(A)	47,0	51,0	51,0	61,0
Indoor unit					
Condensate discharge diameter	mm	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) Sound pressure measured in semi anechoic chamber at a distance of 1 m from the source.
(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
Sound power calculated in free field, in accordance with UNI EN ISO 3744.

MPG_DH

		MPG250DH	MPG350DH	MPG500DH	MPG700DH
Nominal cooling performances					
Cooling capacity (1)	kW	2,65	3,50	5,00	7,00
Moisture removed	l/h	0,80	1,40	1,80	2,50
Nominal heating performances					
Heating capacity (2)	kW	2,80	4,00	5,50	8,00
Indoor unit					
Type of fan	type	Inverter centrifugal			
Input power	W	50	50	75	80
High static pressure					
Maximum	Pa	60	60	60	125
Air flow rate					
Minimum	m^3/h	550	410	750	900
Average	m^3/h	610	480	790	1.000
Maximum	m^3/h	670	560	840	1.200
Turbo	m^3/h	700	650	880	1.500
Sound pressure (1 m) (3)					
Turbo	dB(A)	41,0	39,0	41,0	45,0
Minimum	dB(A)	35,0	33,0	37,0	36,0
Average	dB(A)	37,0	35,0	38,0	38,0
Maximum	dB(A)	39,0	37,0	39,0	40,0
Sound power (4)					
Minimum	dB(A)	51,0	49,0	53,0	53,0
Average	dB(A)	53,0	51,0	54,0	55,0
Maximum	dB(A)	55,0	53,0	55,0	57,0
Turbo	dB(A)	57,0	55,0	57,0	62,0
Indoor unit					
Condensate discharge diameter	mm	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) Sound pressure measured in semi anechoic chamber at a distance of 1 m from the source.
(4) Sound power calculated in free field, in accordance with UNI EN ISO 3744.
Sound power calculated in free field, in accordance with UNI EN ISO 3744.

INDOOR UNIT COOLING FITTINGS

SBG_W

		SBG200W	SBG250W	SBG350W	SBG500W	SBG700W
Refrigeration pipework						
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	6,35 (1/4")	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")	9,52 (3/8")	9,52 (3/8")	12,7 (1/2")

CKG_FS

		CKG261FS	CKG361FS	CKG501FS
Refrigeration pipework				
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")

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)

MPG_CS

		MPG350CS	MPG500CS
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")

MPG_C

		MPG700C
Refrigeration pipework		
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")
Diameter of refrigerant gas connections	mm (inch)	15,9 (5/8")

MPG_D

		MPG250D	MPG350D	MPG500D	MPG700D
Refrigeration pipework					
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	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")	15,9 (5/8")

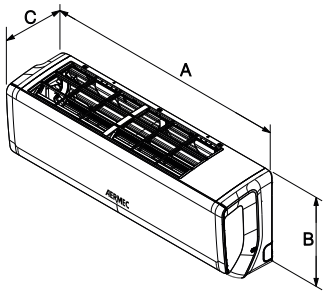
MPG_DH

		MPG250DH	MPG350DH	MPG500DH	MPG700DH
Refrigeration pipework					
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	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")	15,9 (5/8")

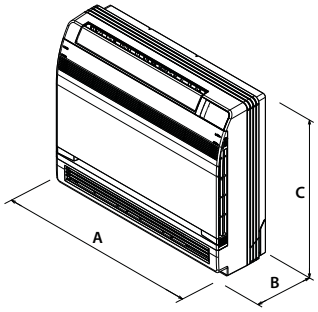
OUTDOOR UNIT COOLING FITTINGS

Models			MPG420	MPG520	MPG630	MPG730	MPG840	MPG1040	MPG1250
			14kBtu/h	18kBtu/h	21kBtu/h	24kBtu/h	28kBtu/h	36kBtu/h	42kBtu/h
Liquid 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")
Gas 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")

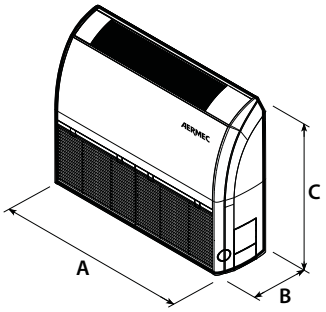
INDOOR UNIT WEIGHTS AND DIMENSIONS



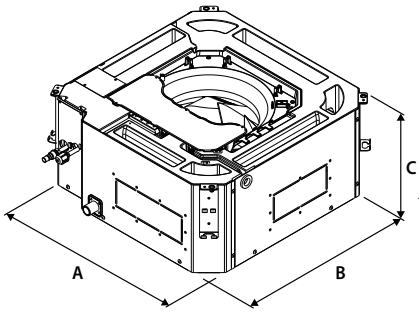
SBG_W



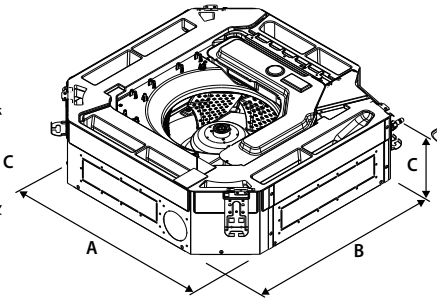
CKG_FS



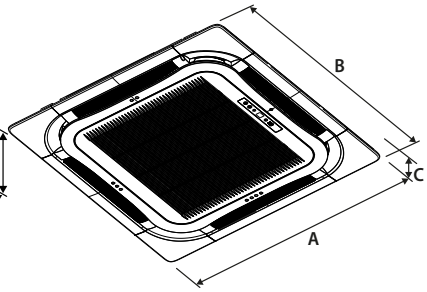
MLG_F



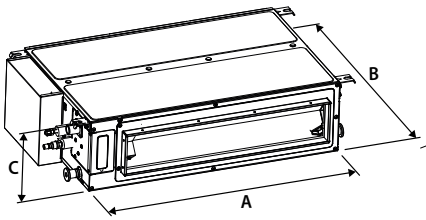
MPG_CS



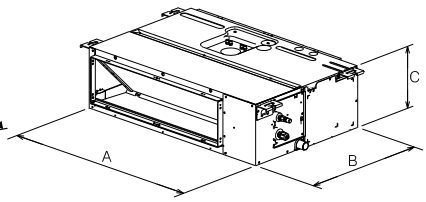
MPG_C



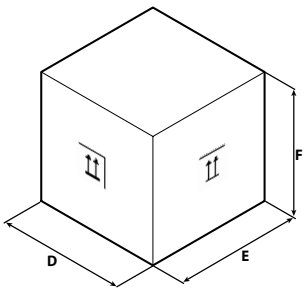
GLG40S / GLG40



MPG_D



MGE_DH



Carton Box Example

SBG_W

		SBG200W	SBG250W	SBG350W	SBG500W	SBG700W
Indoor unit						
A	mm	740	740	815	992	992
B	mm	260	260	260	333	333
C	mm	190	190	190	252	252
D	mm	796	796	871	1051	1051
E	mm	332	332	332	406	406
F	mm	265	265	265	328	328
Net weight	kg	7,5	7,5	8,0	13,5	14,0
Weight for transport	kg	9,0	9,0	9,5	16,0	16,5

CKG_FS

		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

MLG_F

		MLG250F	MLG350F	MLG500F	MLG700F
Indoor unit					
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

MPG_CS

		MPG350CS	MPG500CS
Indoor unit			
A	mm	570	570
B	mm	570	570
C	mm	265	265
D	mm	698	698
E	mm	653	653
F	mm	295	295
Net weight	kg	17,0	17,0
Weight for transport	kg	22,0	22,0

MPG_C

		MPG700C
Indoor unit		
A	mm	840
B	mm	840
C	mm	240
D	mm	963
E	mm	963
F	mm	325
Net weight	kg	29,0
Weight for transport	kg	36,0

GLG40S / GLG40

		GLG40S	GLG40
Indoor unit			
A	mm	620	950
B	mm	620	950
C	mm	48	52
D	mm	701	1033
E	mm	701	1038
F	mm	125	112
Net weight	kg	3,0	6,0
Weight for transport	kg	5,0	10,0

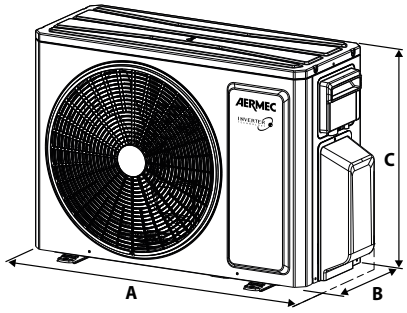
MPG_D

		MPG250D	MPG350D	MPG500D	MPG700D
Indoor unit					
A	mm	710	710	1010	900
B	mm	450	450	450	655
C	mm	200	200	200	260
D	mm	1008	1008	1308	1115
E	mm	568	568	568	772
F	mm	275	275	275	320
Net weight	kg	18,5	19,0	25,0	31,0
Weight for transport	kg	22,5	23,0	30,0	36,0

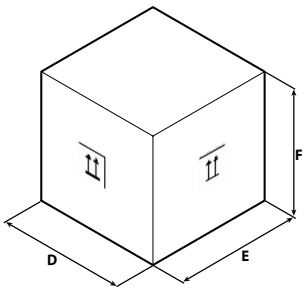
MPG_DH

		MPG250DH	MPG350DH	MPG500DH	MPG700DH
Indoor unit					
A	mm	710	710	1010	900
B	mm	450	450	450	655
C	mm	200	200	200	260
D	mm	1008	1008	1308	1115
E	mm	568	568	568	772
F	mm	275	275	275	320
Net weight	kg	18,5	19,0	25,0	31,0
Weight for transport	kg	22,5	23,0	30,0	36,0

OUTDOOR UNIT WEIGHTS AND DIMENSIONS



MPG



Carton Box Example

MPG

		MPG420	MPG520	MPG630	MPG730	MPG840	MPG1040	MPG1250
Outdoor unit								
A	mm	822	822	964	964	964	1020	1020
B	mm	352	352	402	402	402	427	427
C	mm	555	555	660	660	660	826	826
D	mm	872	872	1032	1032	1032	1095	1095
E	mm	398	398	456	456	456	500	500
F	mm	620	620	737	737	737	955	955
Net weight	kg	30,0	32,0	47,5	47,5	51,0	72,0	73,0
Weight for transport	kg	32,5	34,5	52,0	52,0	55,5	85,0 (1)	86,0 (1)

(1) Packaging + pallet

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