

# LCG

# Monosplit

Cooling capacity 3,5 ÷ 16,0 kW  
Heating capacity 4,0 ÷ 17,0 kW

- New R32 ecological refrigerant gas.
- Wi-fi control using the relative accessory.
- 30% reduction of refrigerant gas compared with the previous range.
- 1 W of absorption in standby.
- SEER up to 7.2.

LCG\_CS / LCG\_C



LCG\_D



LCG\_F



## DESCRIPTION

The monosplit air conditioners of the LCG range are combined with:

- LCG\_D for duct type horizontal installation.
- LCG\_CS e LCG\_C (Cassette) for false ceiling installation.
- LCG\_F (Floor ceiling) wall and/or ceiling 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

### LCG\_D indoor unit

Duct indoor unit, designed for indoor duct type horizontal installation.



- Every indoor unit comes with a remote control and a remote control holder.
- WRC20 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.

### LCG\_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.
- 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.

### LCG\_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.

### LCG\_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.

### 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

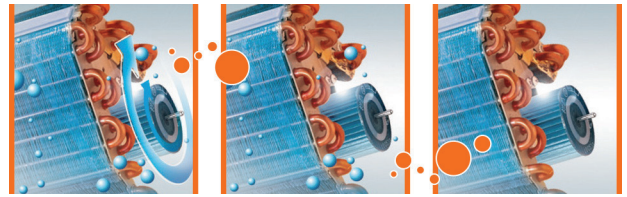
cooling operation with outdoor temperatures down to -20 °C.

### Low heating function

heating with external temperatures up to -20 °C.

### 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.



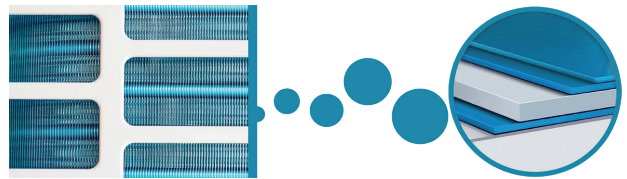
### Smart APP Ewpe

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.



### TYPE OF OUTDOOR UNIT

#### Outdoor unit

Multisplit 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.

## 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.\*

**WRC20:** Wired panel with liquid crystal display and soft-touch buttons.

**WRC40:** 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.

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

**DCG:** This accessory makes it possible to remotely control the main functions of the unit via the relay externally with third-party loads that are suitably powered and sized.

**ECD:** This accessory makes it possible to manage the switching on/off of the indoor units via the ON-OFF device.

**MINIMODBUS20:** Thanks to its compact size, this accessory can be easily installed inside the indoor unit. It allows the units to communicate with each other by providing a ModBus RTU serial on RS485 for supervision with external BMS.

**WIFIKIT20:** Plug & Play module to be installed in the indoor unit for Wi-Fi control.

**WIFIKIT30:** Plug & Play module to be installed in the indoor unit for Wi-Fi control.

**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.

## Accessories compatibility

### LCG\_D

Accessory	LCG350D	LCG500D	LCG700D	LCG850D	LCG1000D	LCG1200D	LCG1400D	LCG1600D
CC2 (1)	•	•	•	•	•	•	•	•
WRC20 (1)	•	•	•	•	•	•	•	•
WRC40 (1)	•	•	•	•	•	•	•	•

(1) Auto-restart function.

The use of the CC2 centralised control requires the installation of 1 MINIMODBUS20 for each indoor unit installed.  
Wired panel WRC20 standard supply.

Accessory	LCG350D	LCG500D	LCG700D	LCG850D	LCG1000D	LCG1200D	LCG1400D	LCG1600D
DCG	•	•	•	•	•	•	•	•
ECD	•	•	•	•	•	•	•	•
MINIMODBUS20 (1)	•	•	•	•	•	•	•	•
WIFIKIT20	•	•	•	•	•	•	•	•
WIFIKIT30	•	•	•	•	•	•	•	•

(1) The units can only be routed using the wired control panel. For more information about the procedure refer to the user manual.

### LCG\_CS

Accessory	LCG350CS	LCG500CS
CC2 (1)	•	•
WRC20 (1)	•	•
WRC40 (1)	•	•

(1) Auto-restart function.

The use of the CC2 centralised control requires the installation of 1 MINIMODBUS20 for each indoor unit installed.

Accessory	LCG350CS	LCG500CS
DCG	•	•
ECD	•	•
MINIMODBUS20 (1)	•	•
WIFIKIT20	•	•
WIFIKIT30	•	•

(1) The units can only be routed using the wired control panel. For more information about the procedure refer to the user manual.

Accessory	LCG350CS	LCG500CS
GLG40S (1)	•	•

(1) Mandatory accessory.

\* The CC2 centralised control can manage up to 36 LCG systems.



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

## LCG\_C

Accessory	LCG700C	LCG850C	LCG1000C	LCG1200C	LCG1400C	LCG1600C
CC2 (1)	*	*	*	*	*	*
WRC20 (1)	*	*	*	*	*	*
WRC40 (1)	*	*	*	*	*	*

(1) Auto-restart function.

The use of the CC2 centralised control requires the installation of 1 MINIMODBUS20 for each indoor unit installed.

Accessory	LCG700C	LCG850C	LCG1000C	LCG1200C	LCG1400C	LCG1600C
DCG	*	*	*	*	*	*
ECD	*	*	*	*	*	*
MINIMODBUS20 (1)	*	*	*	*	*	*
WIFIKIT20	*	*	*	*	*	*
WIFIKIT30	*	*	*	*	*	*

(1) The units can only be routed using the wired control panel. For more information about the procedure refer to the user manual.

Accessory	LCG700C	LCG850C	LCG1000C	LCG1200C	LCG1400C	LCG1600C
GLG40 (1)	*	*	*	*	*	*

(1) Mandatory accessory.

## LCG\_F

Accessory	LCG350F	LCG500F	LCG700F	LCG850F	LCG1000F	LCG1200F	LCG1400F	LCG1600F
CC2 (1)	*	*	*	*	*	*	*	*
WRC20 (1)	*	*	*	*	*	*	*	*
WRC40 (1)	*	*	*	*	*	*	*	*

(1) Auto-restart function.

The use of the CC2 centralised control requires the installation of 1 MINIMODBUS20 for each indoor unit installed.

Accessory	LCG350F	LCG500F	LCG700F	LCG850F	LCG1000F	LCG1200F	LCG1400F	LCG1600F
DCG	*	*	*	*	*	*	*	*
ECD	*	*	*	*	*	*	*	*
MINIMODBUS20 (1)	*	*	*	*	*	*	*	*
WIFIKIT20	*	*	*	*	*	*	*	*
WIFIKIT30	*	*	*	*	*	*	*	*

(1) The units can only be routed using the wired control panel. For more information about the procedure refer to the user manual.

## OUTDOOR UNIT PERFORMANCE DATA

		LCG350	LCG500	LCG700	LCG850	LCG1000	LCG1000T	LCG1200	LCG1200T	LCG1400	LCG1400T	LCG1600T
<b>Outdoor unit</b>												
Type of fan	Type	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial	Inverter axial
<b>Air flow rate</b>												
Maximum	m <sup>3</sup> /h	3000	3000	3600	4000	5900	5900	5900	5900	5900	5900	6600
<b>Sound power (1)</b>												
Maximum	dB(A)	64,0	65,0	67,0	69,0	70,0	70,0	71,0	71,0	71,0	72,0	72,0
<b>Sound pressure (2)</b>												
Maximum	dB(A)	50,0	50,0	52,0	53,0	55,0	55,0	55,0	56,0	56,0	57,0	57,0
<b>Compressor</b>												
Type	type	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary	Inverter rotary
Refrigerant	type	R32	R32	R32	R32	R32	R32	R32	R32	R32	R32	R32
Refrigerant charge	kg	0,80	1,00	1,60	1,80	2,50	2,50	2,70	2,70	2,80	2,80	3,60
Potential global heating	GWP	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq	675kgCO <sub>2</sub> eq
Equivalent CO <sub>2</sub>	t	0,53	0,68	1,08	1,22	1,69	1,69	1,79	1,79	1,89	1,89	2,43
<b>Refrigeration pipework</b>												
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	6,35 (1/4")	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")	9,52 (3/8")	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")	12,7 (1/2")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")
Maximum refrigerant tube length	m	30	35	50	50	65	65	75	75	75	75	75
Maximum refrigerant line level difference	m	15,0	20,0	25,0	25,0	30,0	30,0	30,0	30,0	30,0	30,0	30,0
Refrigerant to be added	g/m	16	16	40	40	40	40	40	40	40	40	40
<b>Power supply</b>												
Outdoor unit power supply		220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	380-415V ~ 3N 50Hz	220-240V ~ 50Hz	380-415V ~ 3N 50Hz	220-240V ~ 50Hz	380-415V ~ 3N 50Hz	380-415V ~ 3N 50Hz

(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.

## INDOOR UNIT PERFORMANCE DATA

### LCG\_D

Indoor unit		LCG350D	LCG500D	LCG700D	LCG850D	LCG1000D	LCG1000D	LCG1200D	LCG1200D	LCG1400D	LCG1400D	LCG1600D
Outdoor unit		LCG350	LCG500	LCG700	LCG850	LCG1000	LCG1000T	LCG1200	LCG1200T	LCG1400	LCG1400T	LCG1600T
<b>Nominal cooling performances</b>												
Cooling capacity (1)	kW	3,50	5,00	7,00	8,50	10,00	10,00	12,10	12,10	13,40	13,40	16,00
Cooling input power (1)	kW	0,95	1,55	2,10	2,70	3,20	3,15	4,10	3,80	4,45	4,70	5,45
EER (2)	W/W	3,68	3,23	3,33	3,15	3,12	3,17	2,95	3,18	3,01	2,85	2,94
Moisture removed	l/h	0,9	1,6	2,4	3,2	2,8	2,8	1,7	2,0	3,3	3,6	4,3
<b>Minimum cooling performances</b>												
Cooling capacity	kW	0,90	1,60	2,40	2,40	3,20	3,20	3,60	3,60	6,00	6,00	6,80
Cooling input power	kW	0,20	0,30	0,40	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
<b>Maximum cooling performances</b>												
Cooling capacity	kW	4,00	5,50	8,00	9,00	11,00	11,00	12,80	12,80	14,20	14,20	16,80
Cooling input power	kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
Cooling input current	A	4,2	6,3	8,7	12,1	13,9	4,8	17,9	5,3	19,9	7,2	7,7
<b>Seasonal efficiency</b>												
SEER	W/W	6,10	6,10	6,80	6,10	6,10	6,10	5,80	5,80	6,10	5,60	6,10
Efficiency energy class (3)		A++	A++	A++	A++	A++	A++	-	-	-	-	-
Pdesignc	kW	3,5	5,0	7,0	8,5	10,0	10,0	-	-	-	-	-
Annual power consumption	kWh/annum	200	277	357	480	571	577	-	-	-	-	-
<b>Nominal heating performances</b>												
Heating capacity (4)	kW	4,00	5,50	8,00	8,80	12,00	12,00	13,50	13,50	15,50	15,50	17,00
Heating input power (4)	kW	1,05	1,45	2,25	2,55	3,40	3,50	4,10	3,90	4,60	4,45	5,00
COP (2)	W/W	3,81	3,79	3,56	3,45	3,53	3,43	3,29	3,46	3,37	3,48	3,40
<b>Minimum heating performances</b>												
Heating capacity	kW	0,90	1,50	2,20	2,40	3,00	3,00	3,60	3,60	3,90	3,90	4,50
Heating input power	kW	0,20	0,30	0,45	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
<b>Maximum heating performances</b>												
Heating capacity	kW	4,50	6,00	9,00	9,50	13,50	13,50	14,50	14,50	16,00	16,00	17,50
Heating input power	kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
Heating input current	A	4,7	6,0	9,5	11,1	15,2	5,6	17,0	5,5	20,4	6,2	7,3
<b>Seasonal efficiency (temperate climate)</b>												
SCOP	W/W	4,00	4,00	4,00	4,00	4,00	4,00	-	-	-	-	-
Efficiency energy class (3)		A+	A+	A+	A+	A+	A+	-	-	-	-	-
Pdesignh	kW	3,10	4,20	6,40	7,20	9,00	9,00	-	-	-	-	-
Annual power consumption	kWh/annum	1110	1469	2238	2576	3147	3218	-	-	-	-	-
<b>Electric data</b>												
Rated power input (5)	kW	1,40	1,80	3,50	4,00	4,10	4,70	4,90	5,30	5,50	6,00	6,00
Rated current input (5)	A	6,0	8,0	16,0	18,0	18,5	7,0	22,0	8,0	25,0	9,0	9,0
<b>Refrigeration pipework</b>												
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	6,35 (1/4")	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")	9,52 (3/8")	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")	12,7 (1/2")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")
(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) 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.												
		LCG350D	LCG500D	LCG700D	LCG850D	LCG1000D	LCG1000D	LCG1200D	LCG1200D	LCG1400D	LCG1400D	LCG1600D
<b>Indoor unit</b>												
Type of fan	Type	Inverter centrifugal										
<b>Air flow rate</b>												
Turbo	m <sup>3</sup> /h	650	950	1200	1500	1800	2000	2200	2200	2400	2400	2400
Maximum	m <sup>3</sup> /h	600	880	1160	1350	1520	1730	1730	2000	1960	1960	1960
Average	m <sup>3</sup> /h	510	820	1090	1130	1380	1570	1570	1730	1670	1670	1670
Minimum	m <sup>3</sup> /h	450	700	940	950	1270	1400	1400	1490	1380	1380	1380
<b>High static pressure</b>												
Nominal	Pa	25	25	25	37	37	50	50	50	50	50	50
Minimum	Pa	0	0	0	0	0	0	0	0	0	0	0
Maximum	Pa	50	50	75	75	150	150	150	150	150	200	200
<b>Sound pressure (1)</b>												
Turbo	dB(A)	41,0	43,0	40,0	42,0	46,0	42,0	42,0	43,0	44,0	44,0	44,0
Maximum	dB(A)	38,0	42,0	39,0	40,0	44,0	40,0	40,0	41,0	41,0	41,0	41,0
Average	dB(A)	36,0	39,0	37,0	37,0	42,0	39,0	39,0	40,0	39,0	39,0	39,0
Minimum	dB(A)	34,0	36,0	32,0	35,0	40,0	37,0	37,0	38,0	38,0	38,0	38,0
<b>Indoor unit</b>												
Condensate discharge diameter	mm	26,0	26,0	26,0	26,0	26,0	26,0	26,0	26,0	26,0	26,0	26,0
<b>Power supply</b>												
Indoor unit power supply		220-240V ~ 50Hz										380-415V 3N ~ 50Hz

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

## LCG\_CS

Indoor unit		LCG350CS	LCG500CS
Outdoor unit		LCG350	LCG500
<b>Nominal cooling performances</b>			
Cooling capacity (1)	kW	3,50	5,00
Cooling input power (1)	kW	0,95	1,56
EER (2)	W/W	3,50	3,21
Moisture removed	l/h	1,0	1,8
<b>Minimum cooling performances</b>			
Cooling capacity	kW	0,90	1,60
Cooling input power	kW	0,20	0,30
<b>Maximum cooling performances</b>			
Cooling capacity	kW	4,00	5,50
Cooling input power	kW	1,35	1,75
Cooling input current	A	4,5	6,8
<b>Seasonal efficiency</b>			
SEER	W/W	5,90	5,90
Efficiency energy class (3)		A+	A+
Pdesignc	kW	3,5	5,0
Annual power consumption	kWh/annum	213	296
<b>Nominal heating performances</b>			
Heating capacity (4)	kW	4,00	5,50
Heating input power (4)	kW	1,05	1,65
COP (2)	W/W	3,81	3,33
<b>Minimum heating performances</b>			
Heating capacity	kW	0,90	1,50
Heating input power	kW	0,20	0,30
<b>Maximum heating performances</b>			
Heating capacity	kW	4,50	6,00
Heating input power	kW	1,35	1,75
Heating input current	A	4,7	7,2
<b>Seasonal efficiency (temperate climate)</b>			
SCOP	W/W	4,00	4,00
Efficiency energy class (3)		A+	A+
Pdesignh	kW	3,10	4,00
Annual power consumption	kWh/annum	1069	1405
<b>Electric data</b>			
Rated power input (5)	kW	1,40	1,80
Rated current input (5)	A	6,0	8,0
<b>Refrigeration pipework</b>			
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")

(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) 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.

		LCG350CS	LCG500CS
<b>Indoor unit</b>			
Type of fan	Type	Inverter centrifugal	
<b>Air flow rate</b>			
Turbo	m <sup>3</sup> /h	650	700
Maximum	m <sup>3</sup> /h	580	580
Average	m <sup>3</sup> /h	480	480
Minimum	m <sup>3</sup> /h	400	400
<b>Sound pressure (1)</b>			
Turbo	dB(A)	41,0	44,0
Maximum	dB(A)	39,0	39,0
Average	dB(A)	36,0	36,0
Minimum	dB(A)	33,0	33,0
<b>Indoor unit</b>			
Condensate discharge diameter	mm	31,0	31,0
<b>Power supply</b>			
Indoor unit power supply		220-240V ~ 50Hz	

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

## LCG C

Indoor unit		LCG700C	LCG850C	LCG1000C	LCG1000C	LCG1200C	LCG1200C	LCG1400C	LCG1400C	LCG1600C
Outdoor unit		LCG700	LCG850	LCG1000	LCG1000T	LCG1200	LCG1200T	LCG1400	LCG1400T	LCG1600T
<b>Nominal cooling performances</b>										
Cooling capacity (1)	kW	7,00	8,50	10,00	10,00	12,10	12,10	13,40	13,40	14,50
Cooling input power (1)	kW	2,05	2,80	3,15	3,00	4,10	4,05	4,65	4,70	5,20
EER (2)	W/W	3,41	3,04	3,17	3,33	2,95	2,99	2,88	2,85	2,79
Moisture removed	l/h	2,4	2,9	3,5	4,0	4,1	4,0	4,7	4,3	5,3
<b>Minimum cooling performances</b>										
Cooling capacity	kW	2,40	2,40	3,20	3,20	3,60	3,60	6,00	6,00	6,50
Cooling input power	kW	0,40	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
<b>Maximum cooling performances</b>										
Cooling capacity	kW	8,00	9,00	11,00	11,00	12,80	12,80	14,20	14,20	15,00
Cooling input power	kW	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
Cooling input current	A	8,8	12,7	13,8	5,0	17,5	5,9	20,8	7,2	7,6
<b>Seasonal efficiency</b>										
SEER	W/W	7,20	6,10	6,10	6,10	6,10	6,10	6,10	6,10	6,10
Efficiency energy class (3)		A++	A++	A++	A++	-	-	-	-	-
Pdesignc	kW	7,0	8,5	10,0	10,0	-	-	-	-	-
Annual power consumption	kWh/annum	340	472	566	553	-	-	-	-	-
<b>Nominal heating performances</b>										
Heating capacity (4)	kW	8,00	8,80	12,00	12,00	13,50	13,50	15,50	15,50	17,00
Heating input power (4)	kW	2,20	2,65	3,55	3,40	4,20	4,15	4,35	4,45	4,80
COP (2)	W/W	3,64	3,32	3,38	3,53	3,21	3,25	3,56	3,48	3,54
<b>Minimum heating performances</b>										
Heating capacity	kW	2,20	2,40	3,00	3,00	3,60	3,60	3,90	3,90	4,50
Heating input power	kW	0,45	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
<b>Maximum heating performances</b>										
Heating capacity	kW	9,00	9,50	13,50	13,50	14,50	14,50	16,00	16,00	17,50
Heating input power	kW	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
Heating input current	A	9,5	11,7	15,7	5,3	18,0	6,1	19,5	6,2	7,2
<b>Seasonal efficiency (temperate climate)</b>										
SCOP	W/W	3,90	4,00	4,00	4,00	3,80	3,80	3,60	4,00	3,80
Efficiency energy class (3)		A	A+	A+	A+	-	-	-	-	-
Pdesignh	kW	6,40	7,20	9,00	9,00	-	-	-	-	-
Annual power consumption	kWh/annum	2297	2616	3139	3168	-	-	-	-	-
<b>Electric data</b>										
Rated power input (5)	kW	3,50	4,00	4,10	4,70	4,90	5,30	5,50	6,00	6,00
Rated current input (5)	A	16,0	18,0	18,5	7,0	22,0	8,0	25,0	9,0	9,0
<b>Refrigeration pipework</b>										
Diameter of liquid refrigerant 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")	9,52 (3/8")	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")

(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) 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.

		LCG700C	LCG850C	LCG1000C	LCG1200C	LCG1400C	LCG1600C
<b>Indoor unit</b>							
Type of fan	Type	Inverter centrifugal					
<b>Air flow rate</b>							
Turbo	m <sup>3</sup> /h	1100	1400	1500	1800	1900	2000
Maximum	m <sup>3</sup> /h	1050	1310	1470	1690	1690	1880
Average	m <sup>3</sup> /h	960	1180	1380	1470	1480	1620
Minimum	m <sup>3</sup> /h	870	1040	1220	1260	1140	1430
<b>Sound pressure (1)</b>							
Turbo	dB(A)	43,0	49,0	50,0	51,0	52,0	54,0
Maximum	dB(A)	42,0	47,0	48,0	49,0	51,0	52,0
Average	dB(A)	40,0	44,0	46,0	46,0	48,0	50,0
Minimum	dB(A)	39,0	41,0	42,0	42,0	45,0	48,0
<b>Indoor unit</b>							
Condensate discharge diameter	mm	30,0	30,0	30,0	30,0	30,0	30,0
<b>Power supply</b>							
Indoor unit power supply		220-240V ~ 50Hz				380-415V 3N ~ 50Hz	

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

## LCG F

Indoor unit		LCG350F	LCG500F	LCG700F	LCG850F	LCG1000F	LCG1000F	LCG1200F	LCG1200F	LCG1400F	LCG1400F	LCG1600F
Outdoor unit		LCG350	LCG500	LCG700	LCG850	LCG1000	LCG1000T	LCG1200	LCG1200T	LCG1400	LCG1400T	LCG1600T
<b>Nominal cooling performances</b>												
Cooling capacity (1)	kW	3,50	5,00	7,00	8,50	10,00	10,00	12,10	12,10	13,40	13,40	16,00
Cooling input power (1)	kW	0,95	1,55	1,90	2,80	3,30	3,30	3,90	4,05	4,40	4,30	5,40
EER (2)	W/W	3,89	3,23	3,68	3,04	3,03	3,03	3,10	2,99	3,05	3,12	2,96
Moisture removed	l/h	0,5	1,6	1,4	2,6	3,1	3,5	3,3	3,5	3,3	3,4	5,9
<b>Minimum cooling performances</b>												
Cooling capacity	kW	0,90	1,60	2,40	2,40	3,20	3,20	3,60	3,60	6,00	6,00	6,35
Cooling input power	kW	0,20	0,30	0,40	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
<b>Maximum cooling performances</b>												
Cooling capacity	kW	4,00	5,50	8,00	9,00	11,00	11,00	12,80	12,80	14,20	14,20	16,50
Cooling input power	kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
Cooling input current	A	4,0	6,5	8,6	12,7	14,5	5,1	15,7	5,9	19,5	6,6	7,7
<b>Seasonal efficiency</b>												
SEER	W/W	6,70	6,10	6,80	6,10	6,10	6,10	6,10	6,10	6,30	6,10	6,10
Efficiency energy class (3)		A++	A++	A++	A++	A++	A++	-	-	-	-	-
Pdesignc	kW	3,5	5,0	7,0	8,5	10,0	10,0	-	-	-	-	-
Annual power consumption	kWh/annum	177	284	359	477	573	561	-	-	-	-	-
<b>Nominal heating performances</b>												
Heating capacity (4)	kW	4,00	5,50	8,00	8,80	12,00	12,00	13,50	13,50	15,50	15,50	17,00
Heating input power (4)	kW	1,05	1,60	2,45	2,65	3,60	3,50	3,95	4,00	4,35	4,40	5,40
COP (2)	W/W	4,21	3,44	3,27	3,32	3,33	3,43	3,42	3,38	3,56	3,52	3,15
<b>Minimum heating performances</b>												
Heating capacity	kW	0,90	1,50	2,20	2,40	3,00	3,00	3,60	3,60	3,90	3,90	4,50
Heating input power	kW	0,20	0,30	0,45	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
<b>Maximum heating performances</b>												
Heating capacity	kW	4,50	6,00	9,00	9,50	13,50	13,50	14,50	14,50	16,00	16,00	17,50
Heating input power	kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
Heating input current	A	4,2	6,9	10,5	11,7	15,9	5,6	16,8	6,1	19,4	6,7	7,6
<b>Seasonal efficiency (temperate climate)</b>												
SCOP	W/W	4,00	4,00	3,90	4,00	4,00	4,00	3,80	3,80	3,70	4,00	4,00
Efficiency energy class (3)		A+	A+	A+	A+	A+	A+	-	-	-	-	-
Pdesignh	kW	3,10	4,00	6,40	7,20	9,00	9,00	-	-	-	-	-
Annual power consumption	kWh/annum	1040	1394	2295	2577	3149	3146	-	-	-	-	-
<b>Electric data</b>												
Rated power input (5)	kW	1,40	1,80	3,50	4,00	4,10	4,70	4,90	5,30	5,50	6,00	6,00
Rated current input (5)	A	6,0	8,0	16,0	18,0	18,5	7,0	22,0	8,0	25,0	9,0	9,0
<b>Refrigeration pipework</b>												
Diameter of liquid refrigerant connections	mm (inch)	6,35 (1/4")	6,35 (1/4")	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")	9,52 (3/8")	9,52 (3/8")
Diameter of refrigerant gas connections	mm (inch)	9,52 (3/8")	12,7 (1/2")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")	15,9 (5/8")

(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) 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.

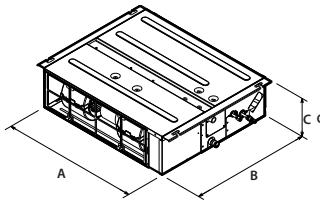
		LCG350F	LCG500F	LCG700F	LCG850F	LCG1000F	LCG1200F	LCG1400F	LCG1600F		
<b>Indoor unit</b>											
Type of fan	Type	Inverter centrifugal									
<b>Air flow rate</b>											
Turbo	m <sup>3</sup> /h	650	850	1300	1500	1600	1800	2100	2300		
Maximum	m <sup>3</sup> /h	610	800	1220	1380	1500	1700	2000	2200		
Average	m <sup>3</sup> /h	530	700	1090	1200	1350	1540	1800	1870		
Minimum	m <sup>3</sup> /h	460	600	940	1020	1260	1400	1480	1590		
<b>Sound pressure (1)</b>											
Turbo	dB(A)	39,0	44,0	45,0	49,0	49,0	49,0	52,0	54,0		
Maximum	dB(A)	36,0	42,0	44,0	47,0	47,0	47,0	50,0	53,0		
Average	dB(A)	32,0	39,0	41,0	43,0	45,0	44,0	48,0	49,0		
Minimum	dB(A)	28,0	36,0	38,0	39,0	43,0	42,0	44,0	45,0		
<b>Indoor unit</b>											
Condensate discharge diameter	mm	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0		
<b>Power supply</b>											
Indoor unit power supply		220-240V ~ 50Hz							380-415V 3N ~ 50Hz		

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

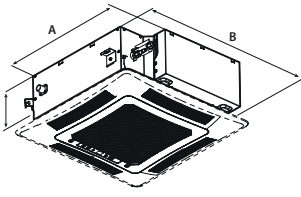


## INDOOR UNIT WEIGHTS AND DIMENSIONS

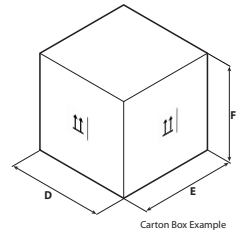
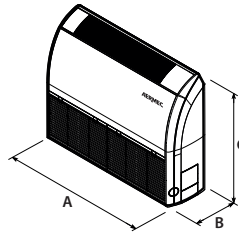
LCG\_D



LCG\_C / CS



LCG\_F



LCG\_D

		LCG350D	LCG500D	LCG700D	LCG850D	LCG1000D	LCG1200D	LCG1400D	LCG1600D
<b>Indoor unit</b>									
A	mm	700	1000	1300	1300	1000	1400	1400	1400
B	mm	450	450	450	450	700	700	700	700
C	mm	200	200	220	220	300	300	300	300
D	mm	1008	1308	1628	1628	1205	1601	1601	1678
E	mm	568	568	578	578	813	813	813	808
F	mm	275	275	300	300	360	365	365	365
Net weight	kg	20,0	26,0	31,0	31,0	41,0	50,0	50,0	57,0
Weight for transport	kg	24,0	31,0	36,0	36,0	47,0	56,0	56,0	64,0

LCG\_CS

		LCG350CS		LCG500CS	
<b>Indoor unit</b>					
A	mm	570		570	
B	mm	570		570	
C	mm	265		265	
D	mm	698		698	
E	mm	653		653	
F	mm	300		300	
Net weight	kg	17,0		17,0	
Weight for transport	kg	22,0		22,0	

LCG\_C

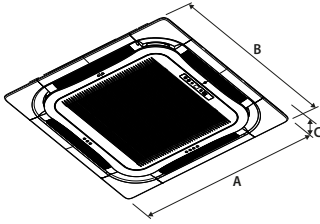
		LCG700C	LCG850C	LCG1000C	LCG1200C	LCG1400C	LCG1600C
<b>Indoor unit</b>							
A	mm	840	840	840	840	840	840
B	mm	840	840	840	840	840	840
C	mm	240	240	240	290	290	290
D	mm	963	963	963	963	963	963
E	mm	963	963	963	963	963	963
F	mm	325	325	325	379	379	379
Net weight	kg	29,0	29,0	31,0	33,0	36,0	36,0
Weight for transport	kg	36,0	36,0	38,0	41,0	44,0	44,0

LCG\_F

		LCG350F	LCG500F	LCG700F	LCG850F	LCG1000F	LCG1200F	LCG1400F	LCG1600F
<b>Indoor unit</b>									
A	mm	870	870	1200	1200	1200	1570	1570	1570
B	mm	235	235	235	235	235	235	235	235
C	mm	665	665	665	665	665	665	665	665
D	mm	1033	1033	1033	1033	1363	1729	1729	1729
E	mm	300	300	300	300	300	300	300	300
F	mm	770	770	770	770	770	770	770	770
Net weight	kg	25,0	26,0	31,0	31,0	32,0	40,0	42,0	42,0
Weight for transport	kg	30,0	31,0	37,0	37,0	38,0	47,0	49,0	49,0

## Grid dimensions and weights

GLG40S / GLG40



GLG40 - GLG40S

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

Mandatory accessory to be provided when ordering.

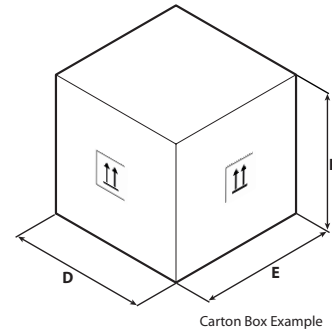
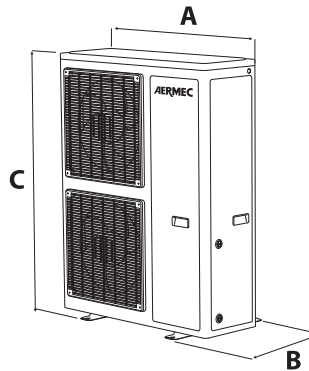
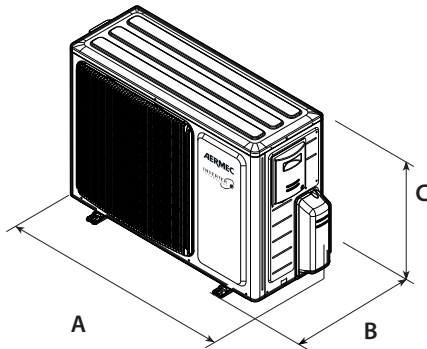
## OUTDOOR UNIT WEIGHTS AND DIMENSIONS

LCG350 - LCG500 - LCG700 - LCG850

LCG1000 - LCG1000T - LCG1200

LCG1200T - LCG1400 - LCG1400T

LCG1600T



		LCG350	LCG500	LCG700	LCG850	LCG1000	LCG1000T	LCG1200	LCG1200T	LCG1400	LCG1400T	LCG1600T
<b>Outdoor unit</b>												
A	mm	818	818	892	920	940	940	940	940	940	940	900
B	mm	302	302	340	370	460	460	460	460	460	460	340
C	mm	596	596	698	790	820	820	820	820	820	820	1345
D	mm	948	948	1029	1083	1073	1073	1073	1073	1073	1073	1033
E	mm	420	420	458	488	563	563	563	563	563	563	443
F	mm	645	645	750	855	835	835	835	835	835	835	1395
Net weight	kg	37,0	39,0	53,0	60,0	83,0	89,0	91,0	95,0	95,0	99,0	112,0
Weight for transport	kg	40,0	42,0	57,0	65,0	95,0	101,0	103,0	107,0	107,0	111,0	122,0

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.

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