

LCG

MONOSPLIT

Split system reversible heat pumps

Cooling capacity from 3.5kW to 16.0kW

Heating capacity from 4.0kW to 17.0kW



- New environmentally friendly refrigerant gas r32
- 30% reduction of refrigerant gas compared with the previous range
- 1W absorption in standby
- SEER up to 7.2

OUTDOOR UNITS



LCG350 - LCG500



LCG700



LCG850



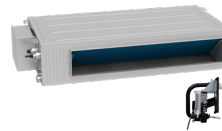
LCG1000 - LCG1000T
LCG1200 - LCG1200T
LCG1400 - LCG1400T



LCG1600T

INDOOR UNITS

LCG D



DUCT
with condensate discharge pump



Remote control
LRC30
(standard)



Wired panel
WRC20
(standard)

LCG CS / LCG C

NEW DESIGN



CASSETTE
with condensate discharge pump



Remote control
WLRC30
(standard)

NEW DESIGN

LCG F



Remote control
WLRC30
(standard)

CONTROL SYSTEMS (ACCESSORIES)



WRC20
Wired panel



WRC30
Advanced wired panel



CC2
Centralised control



ECD
Remote contact device



WIFIKIT20 - WIFIKIT30
Wi-Fi module



DCG
Clean contact device



MINIMODBUS20
Modbus device

EWPE SMART APP



Download on the
App Store

GET IT ON
Google play



Compulsory app for controlling the system via the
WIFIKIT20 - WIFIKIT30 accessory

CHARACTERISTICS

OUTDOOR UNITS:

- Outdoor units fitted with an electric base heater to prevent the formation of ice and help eliminate condensation in heating mode with particularly low outside temperatures. It can be activated by simply connecting its terminal in the electric box. Outdoor units with DC inverter compressor.
- Outdoor units with one or two fans with DC inverter motor with continuous speed variation.
- Outdoor Units fitted with Electronic Expansion Valve.

INDOOR UNITS:

LCG D: DUCTED (HORIZONTAL INSTALLATION)

LCG350D, LCG500D, LCG700D, LCG850D, LCG1000D, LCG1200D, LCG1400D, LCG1600D.

- Max Useful Static Head 50Pa.
- Indoor unit fitted with condensate discharge pump.
- Infrared remote control with liquid crystal display for controlling all the functions.
- **WRC20 wired panel with liquid crystal display and soft-touch buttons (supplied as standard).**
- Air filters with easy removal for easy cleaning.
- Extremely quiet operation.

LCG CS: CASSETTE (INSTALLATION IN FALSE CEILINGS) 570x570

LCG350CS, LCG500CS.

- **The use of the GLG40S accessory is compulsory.**
- Indoor unit fitted with condensate discharge pump.
- Infrared remote control with liquid crystal display for controlling all the functions.
- Air filters with easy removal for easy cleaning.
- Extremely quiet operation.

LCG C: CASSETTE (INSTALLATION IN FALSE CEILINGS)

840x840

LCG700C, LCG850C, LCG1000C, LCG1200C, LCG1400C, LCG1600C.

- **The use of the GLG40 accessory is compulsory.**
- Indoor unit fitted with condensate discharge pump.
- Infrared remote control with liquid crystal display for controlling all the functions.
- Air filters with easy removal for easy cleaning.
- Extremely quiet operation.

LCG F: FLOOR CEILING (WALL OR CEILING INSTALLATION)

LCG350F, LCG500F, LCG700F, LCG850F, LCG1000F, LCG1200F, LCG1400F, LCG1600F.

- Infrared remote control with liquid crystal display for controlling all the functions.
- Air filters with easy removal for easy cleaning.
- Extremely quiet operation.

GENERAL CHARACTERISTICS:

- New R32 ecological refrigerant gas with low GWP.
- Operating modes: Cooling, Heating, Dehumidification, Automatic and Fan Only.
- Microprocessor control.
- Night-time Comfort program (Sleep).
- Auto-restart function.
- Self-diagnostics function.
- Refrigerant lines with flared ends.
- Easy installation and maintenance.
- Extremely quiet operation.
- Low Cooling function: cooling operation with outside temperatures down to -20°C.
- Low Heating function: heating operation with outside temperatures down to -20°C.
- 75m max chiller line length.
- Max 30m installation level difference between indoor and outdoor units.

STANDARD COMPONENTS FOR THE INDOOR UNITS

Models	LCG D	LCG CS	LCG C	LCG F
Infra-red remote control	•	•	•	•
Remote control holder	•	•	•	•
WRC20 wired soft-touch panel	•			
Condensate Discharge Pump	•	•	•	

ACCESSORIES

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

WRC30: 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 sub-divided into daily time bands.

CC2: Centralised Control (7" touch-screen display) for managing up to 36 indoor units. The Centralised Control has an integrated external contact. **The use of the CC2 centralised control requires the installation of 1 MINIMODBUS20 for each indoor unit installed.**

ECD: Remote contact device. This accessory is used to switch the individual indoor units on and off via an external contact (AC 220-240V~50Hz, DC 5-24V).

WIFIKIT20 - WIFIKIT30: Plug & Play module to be installed in the indoor unit for Wi-Fi control. Using this accessory 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. The following table shows the compatibility between indoor

units and the WIFIKIT models available. **The two accessories, WRC20 and WIFIKIT20 - WIFIKIT30, are mutually compatible so they can be connected to the same indoor unit simultaneously.**

DCG: Clean contact device. Widens the network extension and allows the process data to pass through various levels of communication architecture. Guarantees signal transmission between MODBUS RTU / TCP-IP in different ways, increasing the number of nodes that can be connected and the distances that can be reached in the network.

MINIMODBUS20: MODBUS device. Makes a Modbus serial available for supervision with an external BMS.

GLG40S (670x670): Air delivery and intake grille for indoor Cassette-type units. **Compulsory accessory for LCG CS.**

GLG40 (950x950): Air delivery and intake grille for indoor Cassette-type units. **Compulsory accessory for LCG C.**

COMPATIBILITY OF ACCESSORIES

	WRC20	WRC30	CC2	ECD	DCG	MINIMODBUS20	GLG40S (*)	GLG40 (*)
LCG D	standard	•	•	•	•	•		
LCG CS	•	•	•	•	•	•	•	
LCG C	•	•	•	•	•	•		•
LCG F	•	•	•	•	•	•		

(*) **Compulsory accessory**

	WIFIKIT20	WIFIKIT30
LCG350CS		•
LCG500CS		•
LCG700C	•	
LCG850C	•	
LCG1000C	•	
LCG1200C	•	
LCG1400C	•	
LCG1600C	•	
LCG350D		•
LCG500D		•
LCG700D		•
LCG850D		•
LCG1000D		•
LCG1200D		•
LCG1400D		•
LCG1600D		•

	WIFIKIT20	WIFIKIT30
LCG350F		•
LCG500F		•
LCG700F		•
LCG850F		•
LCG1000F		•
LCG1200F		•
LCG1400F		•
LCG1600F		•

TECHNICAL DATA: LCG D - DUCT

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	
Cooling capacity	Nominal	(1)	kW	3,5	5,0	7,0	8,5	10,0	10,0	12,1	12,1	13,4	13,4	16,0
	Minimum	(1)	kW	0,9	1,6	2,4	2,4	3,2	3,2	3,6	3,6	6,0	6,0	6,8
	Maximum	(1)	kW	4,0	5,5	8,0	9,0	11,0	11,0	12,8	12,8	14,2	14,2	16,8
Total power input cooling mode	Nominal		kW	0,95	1,55	2,10	2,70	3,20	3,15	4,10	3,80	4,45	4,70	5,45
	Minimum		kW	0,20	0,30	0,40	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
	Maximum		kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
EER		(4)		3,68	3,23	3,33	3,15	3,12	3,17	2,95	3,18	3,01	2,85	2,94
Input current cooling mode			A	4,18	6,30	8,70	12,10	13,90	4,80	17,90	5,30	19,90	7,20	7,70
Seasonal Efficiency	SEER		-	6,1	6,1	6,8	6,1	6,1	6,1	5,8	5,8	6,1	5,6	6,1
	Energy efficiency class	(3)	-	A++	A++	A++	A++	A++	A++	-	-	-	-	-
	Annual electric consumption		kWh/annum	200	277	357	480	571	577	-	-	-	-	-
	Pdesignc		kW	3,5	5,0	7,0	8,5	10,0	10,0	-	-	-	-	-
	ηs,c		%	-	-	-	-	-	-	241,9	244,4	241,2	222,0	255,1
Moisture removed			l/h	0,86	1,55	2,35	3,18	2,83	2,76	1,71	1,96	3,26	3,61	4,29
Heating capacity	Nominal	(2)	kW	4,0	5,5	8,0	8,8	12,0	12,0	13,5	13,5	15,5	15,5	17,0
	Minimum	(2)	kW	0,9	1,5	2,2	2,4	3,0	3,0	3,6	3,6	3,9	3,9	4,5
	Maximum	(2)	kW	4,5	6,0	9,0	9,5	13,5	13,5	14,5	14,5	16,0	16,0	17,5
Input power heating mode	Nominal		kW	1,05	1,45	2,25	2,55	3,40	3,50	4,10	3,90	4,60	4,45	5,00
	Minimum		kW	0,20	0,30	0,45	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
	Maximum		kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
COP		(4)		3,81	3,79	3,56	3,45	3,53	3,43	3,29	3,46	3,37	3,48	3,40
Input current heating mode			A	4,7	6,0	9,5	11,1	15,2	5,6	17,0	5,5	20,4	6,2	7,3
Seasonal efficiency (temperate climate)	SCOP		-	4,0	4,0	4,0	4,0	4,0	4,0	-	-	-	-	-
	Energy efficiency class	(3)	-	A+	A+	A+	A+	A+	A+	-	-	-	-	-
	Annual electric consumption		kWh/annum	1110	1469	2238	2576	3147	3218	-	-	-	-	-
	Pdesignh		kW	3,1	4,2	6,4	7,2	9,0	9,0	-	-	-	-	-
	ηs,h		%	-	-	-	-	-	-	149,1	159,0	141,0	148,2	143,9
General data														
Nominal Input Power		(5)	W	1,35	1,75	3,50	3,95	4,05	4,65	4,85	5,30	5,50	5,95	5,95
Nominal Input Current			A	6,0	8,0	16,0	18,0	18,5	7,0	22,0	8,0	25,0	9,0	9,0
Chiller Connections	Ø Liquid		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")
	Ø Gas		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")
Chiller Lines	Maximum tube length		m	30	35	50	50	65	65	75	75	75	75	75
	Height difference		m	15	20	25	25	30	30	30	30	30	30	30
	Refrigerant to be added		g/m	16	16	40	40	40	40	40	40	40	40	40
Power supply			V/ph/Hz	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
Indoor Unit														
Type of Fan			Type	Centrifugal										
Air flow rate of indoor units	Turbo		m³/h	650	950	1200	1500	1800	1800	2000	2000	2200	2200	2400
	Maximum		m³/h	600	880	1160	1350	1520	1520	1730	1730	2000	2000	1960
	Averaged		m³/h	510	820	1090	1130	1380	1380	1570	1570	1730	1730	1670
Useful static head	Minimum		m³/h	450	700	940	950	1270	1270	1400	1400	1490	1490	1380
	Nominal		Pa	25	25	25	37	37	37	50	50	50	50	50
	Range		Pa	0-50	0-50	0-75	0-75	0-150	0-150	0-150	0-150	0-150	0-150	0-200
Sound Pressure (indoor unit)	Turbo	(6)	dB(A)	41	43	40	42	46	46	42	42	43	43	44
	Maximum	(6)	dB(A)	38	42	39	40	44	44	40	40	41	41	41
	Averaged	(6)	dB(A)	36	39	37	37	42	42	39	39	40	40	39
	Minimum	(6)	dB(A)	34	36	32	35	40	40	37	37	38	38	38
Outdoor unit														
Type of fan			Type	Axial										
Outdoor unit air flow rate	Maximum		m³/h	3000	3000	3600	4000	5900	5900	5900	5900	5900	5900	6600
Sound power (outdoor unit)	Maximum		dB(A)	64	65	67	69	70	70	71	71	71	72	72
Sound Pressure (outdoor unit)	Maximum	(6)	dB(A)	50	50	52	53	55	55	55	56	56	57	57
Compressor			Type	Rotary Inverter										
Refrigerant Gas			Type / GWP	R32 / 675kgCO2eq										
Refrigerant charge			kg	0,78	1,00	1,60	1,80	2,50	2,50	2,65	2,65	2,80	2,80	3,60
Equivalent CO ₂			t	0,53	0,68	1,08	1,22	1,69	1,69	1,79	1,79	1,89	1,89	2,43

- Cooling (EN-14511 and EN-14825)**
Room air temperature 27°C D.B. / 19 W.B.; Outside air temperature 35°C; Max speed; Cooling line length 5m
- Heating (EN-14511 and EN-14825)**
Room air temperature 20°C D.B.; Outside air temperature 7°C D.B./6°C W.B.; Max speed; Cooling line length 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 **nominal input power** (nominal input current) is the maximum electrical input power (maximum input current) to the system, in accordance with standards EN-60335-1 and EN-60335-2-40.
- Sound pressure** measured in an anechoic chamber at a distance of 1.5m from the front of the unit

TECHNICAL DATA: LCG CS/C - CASSETTE

Indoor Unit			LCG350CS	LCG500CS	LCG700C	LCG850C	LCG1000C	LCG1000C	LCG1200C	LCG1200C	LCG1400C	LCG1400C	LCG1600C	
Outdoor unit			LCG350	LCG500	LCG700	LCG850	LCG1000	LCG1000T	LCG1200	LCG1200T	LCG1400	LCG1400T	LCG1600T	
Cooling capacity	Nominal	(1)	kW	3,5	5,0	7,0	8,5	10,0	10,0	12,1	12,1	13,4	13,4	14,5
	Minimum	(1)	kW	0,9	1,6	2,4	2,4	3,2	3,2	3,6	3,6	6,0	6,0	6,5
	Maximum	(1)	kW	4,0	5,5	8,0	9,0	11,0	11,0	12,8	12,8	14,2	14,2	15,0
Total power input cooling mode	Nominal		kW	0,95	1,56	2,05	2,80	3,15	3,00	4,10	4,05	4,65	4,70	5,20
	Minimum		kW	0,20	0,30	0,40	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
	Maximum		kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
EER		(4)		3,50	3,21	3,41	3,04	3,17	3,33	2,95	2,99	2,88	2,85	2,79
Input current cooling mode			A	4,5	6,8	8,8	12,7	13,8	5,0	17,5	5,9	20,8	7,2	7,6
Seasonal efficiency	SEER			5,9	5,9	7,2	6,1	6,1	6,1	6,1	6,1	6,1	6,1	6,1
	Energy efficiency class	(3)	-	A+	A+	A++	A++	A++	A++	-	-	-	-	-
	Annual electric consumption		kWh/annum	213	296	340	472	566	553	-	-	-	-	-
	Pdesignc		kW	3,5	5,0	7,0	8,5	10,0	10,0	-	-	-	-	-
	ηs,c		%	-	-	-	-	-	-	241,7	243,5	242,4	241,6	241,7
Moisture removed			l/h	0,95	1,83	2,39	2,85	3,51	3,96	4,10	3,98	4,65	4,27	5,29
Heating capacity	Nominal	(2)	kW	4,0	5,5	8,0	8,8	12,00	12,00	13,5	13,5	15,5	15,5	17,0
		(2)	kW	0,9	1,5	2,2	2,4	3,0	3,0	3,6	3,6	3,9	3,9	4,5
		(2)	kW	4,5	6,0	9,0	9,5	13,5	13,5	14,5	14,5	16,0	16,0	17,5
Input power heating mode	Nominal		kW	1,05	1,65	2,20	2,65	3,55	3,40	4,20	4,15	4,35	4,45	4,80
			kW	0,20	0,30	0,45	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
			kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
COP		(4)		3,81	3,33	3,64	3,32	3,38	3,53	3,21	3,25	3,56	3,48	3,54
Input current heating mode			A	4,7	7,2	9,5	11,7	15,7	5,3	18,0	6,1	19,5	6,2	7,2
Seasonal efficiency (temperate climate)	SCOP			4,0	4,0	3,9	4,0	4,0	4,0	3,8	3,8	3,6	4,0	3,8
	Energy efficiency class	(3)	-	A+	A+	A	A+	A+	A+	-	-	-	-	-
	Annual electric consumption		kWh/annum	1069	1405	2297	2616	3139	3168	-	-	-	-	-
	Pdesignh		kW	3,1	4,0	6,4	7,2	9,0	9,0	-	-	-	-	-
	ηs,h		%	-	-	-	-	-	-	149,2	158,6	141,6	157,2	145,6
General data														
Nominal Input Power		(5)	W	1,35	1,75	3,50	3,95	4,05	4,65	4,85	5,30	5,50	5,95	5,95
Nominal Input Current			A	6,0	8,0	16,0	18,0	18,5	7,0	22,0	8,0	25,0	9,0	9,0
Chiller Connections	Ø Liquid		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")
	Ø Gas		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")
Chiller Lines	Maximum tube length		m	30	35	50	50	65	65	75	75	75	75	75
	Height difference		m	15	20	25	25	30	30	30	30	30	30	30
	Refrigerant to be added		g/m	16	16	40	40	40	40	40	40	40	40	40
Power supply			V/Ph/Hz	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
Indoor Unit														
Type of fan			Type	Centrifugal										
Air flow rate of indoor units	Turbo		m³/h	650	700	1100	1400	1500	1500	1800	1800	1900	1900	2000
	Maximum		m³/h	580	580	1050	1310	1470	1470	1690	1690	1690	1690	1880
	Averaged		m³/h	480	480	960	1180	1380	1380	1470	1470	1480	1480	1620
	Minimum		m³/h	400	400	870	1040	1220	1220	1260	1260	1140	1140	1430
Sound Pressure (indoor unit)	Turbo	(6)	dB(A)	41	44	43	49	50	50	51	51	52	52	54
	Maximum	(6)	dB(A)	39	39	42	47	48	48	49	49	51	51	52
	Averaged	(6)	dB(A)	36	36	40	44	46	46	46	46	48	48	50
	Minimum	(6)	dB(A)	33	33	39	41	42	42	42	42	45	45	48
Outdoor unit														
Type of fan			Type	Axial										
Outdoor unit air flow rate	Maximum		m³/h	3000	3000	3600	4000	5900	5900	5900	5900	5900	5900	6600
Sound power (outdoor unit)	Maximum		dB(A)	64	65	67	68	70	70	71	71	71	72	72
Sound Pressure (outdoor unit)	Maximum	(6)	dB(A)	50	53	52	53	55	55	55	56	56	57	57
Compressor			Type	Rotary inverter										
Refrigerant Gas			Type / GWP	R32 / 675kgCO2eq										
Refrigerant charge			kg	0,78	1,00	1,60	1,80	2,50	2,50	2,65	2,65	2,80	2,80	3,60
Equivalent CO ₂			t	0,53	0,68	1,08	1,22	1,69	1,69	1,79	1,79	1,89	1,89	2,43

- Cooling (EN-14511 and EN-14825)**
Room air temperature 27°C D.B. / 19 W.B.; Outside air temperature 35°C; Max speed; Cooling line length 5m
- Heating (EN-14511 and EN-14825)**
Room air temperature 20°C D.B.; Outside air temperature 7°C D.B./6°C W.B.; Max speed; Cooling line length 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 **nominal input power** (nominal input current) is the maximum electrical input power (maximum input current) to the system, in accordance with standards EN-60335-1 and EN-60335-2-40.
- Sound pressure** measured in an anechoic chamber at a distance of 1.5m from the front of the unit

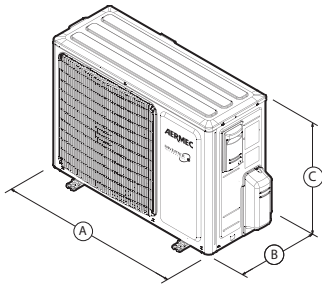
TECHNICAL DATA: LCG F - FLOOR CEILING

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	
Cooling capacity	Nominal	(1)	kW	3,5	5,0	7,0	8,5	10,0	10,0	12,1	12,1	13,4	13,4	16,0
	Minimum	(1)	kW	0,90	1,60	2,40	2,40	3,20	3,20	3,60	3,60	6,00	6,00	6,35
	Maximum	(1)	kW	4,00	5,50	8,00	9,00	11,00	11,00	12,80	12,80	14,20	14,20	16,50
Total power input cooling mode	Nominal		kW	0,95	1,55	1,90	2,80	3,30	3,30	3,90	4,05	4,40	4,30	5,40
	Minimum		kW	0,2	0,3	0,40	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
	Maximum		kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
EER		(4)		3,89	3,23	3,68	3,04	3,03	3,03	3,10	2,99	3,05	3,12	2,96
Input current cooling mode			A	4,0	6,5	8,6	12,7	14,5	5,1	15,7	5,9	19,5	6,6	7,7
Seasonal efficiency	SEER			6,7	6,1	6,8	6,1	6,1	6,1	6,1	6,1	6,3	6,1	6,1
	Energy efficiency class	(3)	-	A++	A++	A++	A++	A++	A++	-	-	-	-	-
	Annual electric consumption		kWh/annum	177	284	359	477	573	561	-	-	-	-	-
	Pdesignc		kW	3,5	5,0	7,0	8,5	10,0	10,0	-	-	-	-	-
	ηs,c		%	-	-	-	-	-	-	240,7	243,7	246,6	243,7	258,7
Moisture removed			l/h	0,51	1,61	1,44	2,60	3,07	3,46	3,31	3,47	3,32	3,41	5,88
Heating capacity	Nominal	(2)	kW	4,0	5,5	8,0	8,8	12,0	12,0	13,5	13,5	15,5	15,5	17,0
		(2)	kW	0,90	1,50	2,20	2,40	3,00	3,00	3,60	3,60	3,90	3,90	4,50
		(2)	kW	4,50	6,00	9,00	9,50	13,50	13,50	14,50	14,50	16,00	16,00	17,50
Input power heating mode	Nominal		kW	1,05	1,60	2,45	2,65	3,60	3,50	3,95	4,00	4,35	4,40	5,40
			kW	0,2	0,3	0,45	0,50	0,60	0,60	0,70	0,60	0,80	0,80	0,85
			kW	1,35	1,75	3,50	3,95	4,05	4,05	4,85	5,30	5,50	5,95	5,95
COP		(4)		4,21	3,44	3,27	3,32	3,33	3,43	3,42	3,38	3,56	3,52	3,15
Input current heating mode			A	4,2	6,9	10,5	11,7	15,9	5,6	16,8	6,1	19,4	6,7	7,6
Seasonal efficiency (temperate climate)	SCOP			4,0	4,0	3,9	4,0	4,0	4,0	3,8	3,8	3,7	4,0	4,0
	Energy efficiency class	(3)	-	A+	A+	A	A+	A+	A+	-	-	-	-	-
	Annual electric consumption		kWh/annum	1040	1394	2295	2577	3149	3146	-	-	-	-	-
	Pdesignh		kW	3,1	4,0	6,4	7,2	9,0	9,0	-	-	-	-	-
	ηs,h		%	-	-	-	-	-	-	151,9	157,2	145,8	160,3	152,3
General data														
Nominal Input Power		(5)	W	1,35	1,75	3,50	3,95	4,05	4,65	4,85	5,30	5,50	5,95	5,95
Nominal Input Current			A	6,0	8,0	16,0	18,0	18,5	7,0	22,0	8,0	25,0	9,0	9,0
Chiller Connections	Ø Liquid		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")
	Ø Gas		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")
Chiller Lines	Maximum tube length		m	30	35	50	50	65	65	75	75	75	75	75
	Height difference		m	15	20	25	25	30	30	30	30	30	30	30
	Refrigerant to be added		g/m	16	16	40	40	40	40	40	40	40	40	40
Power supply			V/Ph/Hz	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
Indoor Unit														
Type of fan			Type	Centrifugal										
Air flow rate of indoor units	Turbo		m³/h	650	850	1300	1500	1600	1600	1800	1800	2100	2100	2300
	Maximum		m³/h	610	800	1220	1380	1500	1500	1700	1700	2000	2000	2200
	Averaged		m³/h	530	700	1090	1200	1350	1350	1540	1540	1800	1800	1870
	Minimum		m³/h	460	600	940	1020	1260	1260	1400	1400	1480	1480	1590
Sound Pressure (indoor unit)	Turbo	(6)	dB(A)	39	44	45	49	49	49	49	49	52	52	54
	Maximum	(6)	dB(A)	36	42	44	47	47	47	47	47	50	50	53
	Averaged	(6)	dB(A)	32	39	41	43	45	45	44	44	48	48	49
	Minimum	(6)	dB(A)	28	36	38	39	43	43	42	42	44	44	45
Outdoor unit														
Type of fan			Type	Axial										
Outdoor unit air flow rate	Maximum		m³/h	3000	3000	3600	4000	5900	5900	5900	5900	5900	5900	6600
Sound power (outdoor unit)	Maximum		dB(A)	64	65	67	69	70	70	71	71	71	71	72
Sound Pressure (outdoor unit)	Maximum	(6)	dB(A)	50	50	52	53	55	55	55	56	56	56	57
Compressor			Type	Rotary inverter										
Refrigerant Gas			Type / GWP	R32 / 675kgCO2eq										
Refrigerant charge			kg	0,78	1,00	1,60	1,80	2,50	2,50	2,65	2,65	2,80	2,80	3,60
Equivalent CO ₂			t	0,53	0,68	1,08	1,22	1,69	1,69	1,79	1,79	1,89	1,89	2,43

- Cooling (EN-14511 and EN-14825)**
Room air temperature 27°C D.B. / 19 W.B.; Outside air temperature 35°C; Max speed; Cooling line length 5m
- Heating (EN-14511 and EN-14825)**
Room air temperature 20°C D.B.; Outside air temperature 7°C D.B./6°C W.B.; Max speed; Cooling line length 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 **nominal input power** (nominal input current) is the maximum electrical input power (maximum input current) to the system, in accordance with standards EN-60335-1 and EN-60335-2-40.
- Sound pressure** measured in an anechoic chamber at a distance of 1.5m from the front of the unit

OUTDOOR UNIT WEIGHTS AND DIMENSIONS

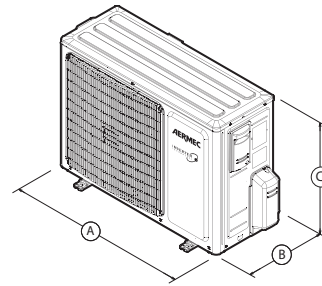
LCG350 - LCG500



Without packaging	A (mm)	B (mm)	C (mm)	Net Weight (kg)
LCG350	818	302	596	37
LCG500	818	302	596	39

With packaging	D (mm)	E (mm)	F (mm)	Gross weight (kg)
LCG350	948	420	645	40
LCG500	948	420	645	42

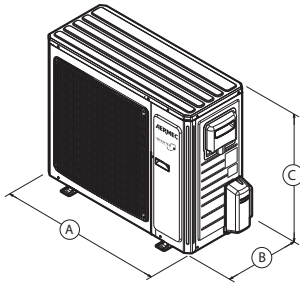
LCG700



Without packaging	A (mm)	B (mm)	C (mm)	Net Weight (kg)
LCG700	892	340	698	53

With packaging	D (mm)	E (mm)	F (mm)	Gross weight (kg)
LCG700	1029	458	750	57

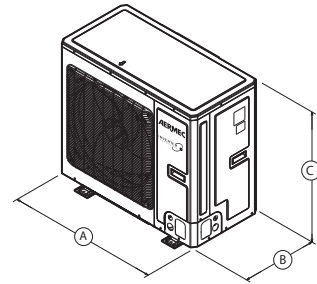
LCG850



Without packaging	A (mm)	B (mm)	C (mm)	Net Weight (kg)
LCG850	920	370	790	60

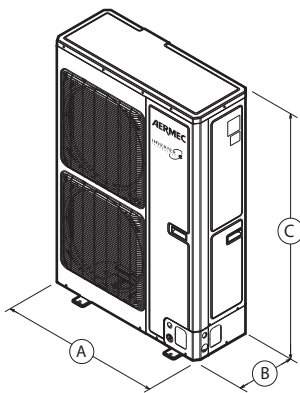
With packaging	D (mm)	E (mm)	F (mm)	Gross weight (kg)
LCG850	1083	488	855	65

LCG1000 - LCG1200 - LCG1400-LCG1000T - LCG1200T - LCG1400T



Without packaging	A (mm)	B (mm)	C (mm)	Net Weight (kg)
LCG1000	940	460	820	83
LCG1200	940	460	820	91
LCG1400	940	460	820	95
LCG1000T	940	460	820	89
LCG1200T	940	460	820	95
LCG1400T	940	460	820	99

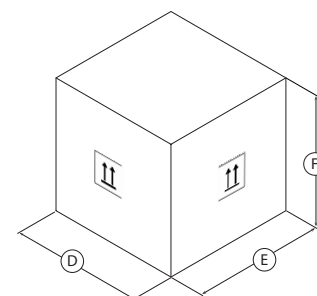
LCG1600T



Without packaging	A (mm)	B (mm)	C (mm)	Net Weight (kg)
LCG1600T	900	340	1345	112

With packaging	D (mm)	E (mm)	F (mm)	Gross weight (kg)
LCG1600 T	1033	443	1395	122

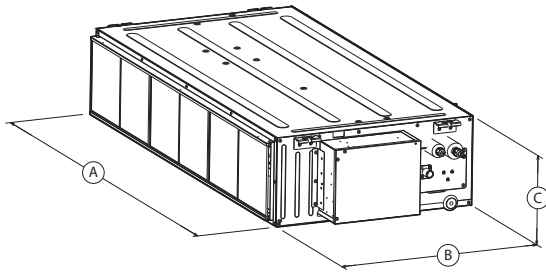
With packaging	D (mm)	E (mm)	F (mm)	Gross weight (kg)
LCG1000	1073	563	835	95
LCG1200	1073	563	835	103
LCG1400	1073	563	835	107
LCG1000 T	1073	563	835	101
LCG1200 T	1073	563	835	107
LCG1400 T	1073	563	835	111



Carton Box Example

INDOOR UNIT WEIGHTS AND DIMENSIONS

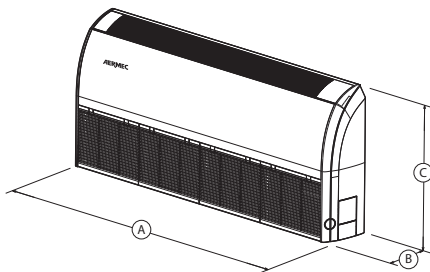
LCG D - DUCT



Without packaging	A (mm)	B (mm)	C (mm)	Net Weight (kg)
LCG350D	700	450	200	20
LCG500D	1000	450	200	26
LCG700D	1300	450	220	31
LCG850D	1300	450	220	31
LCG1000D	1000	700	300	41
LCG1200D	1400	700	300	50
LCG1400D	1400	700	300	50
LCG1600D	1400	700	300	57

With packaging	D (mm)	E (mm)	F (mm)	Gross weight (kg)
LCG350D	1008	568	275	24
LCG500D	1308	568	275	31
LCG700D	1628	578	300	36
LCG850D	1628	578	300	36
LCG1000D	1205	813	360	47
LCG1200D	1601	813	365	56
LCG1400D	1601	813	365	56
LCG1600D	1678	808	365	64

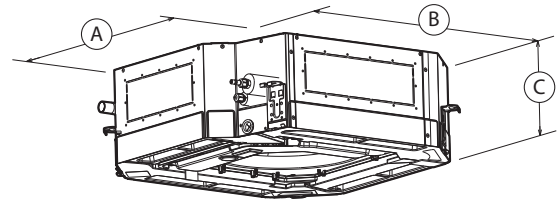
LCG F - FLOOR CEILING



Without packaging	A (mm)	B (mm)	C (mm)	Net Weight (kg)
LCG350F	870	235	665	25
LCG500F	870	235	665	26
LCG700F	1200	235	665	31
LCG850F	1200	235	665	31
LCG1000F	1200	235	665	32
LCG1200F	1570	235	665	40
LCG1400F	1570	235	665	42
LCG1600F	1570	235	665	42

With packaging	D (mm)	E (mm)	F (mm)	Gross weight (kg)
LCG350F	1033	300	770	30
LCG500F	1033	300	770	31
LCG700F	1033	300	770	37
LCG850F	1033	300	770	37
LCG1000F	1363	300	770	38
LCG1200F	1729	300	770	47
LCG1400F	1729	300	770	49
LCG1600F	1729	300	770	49

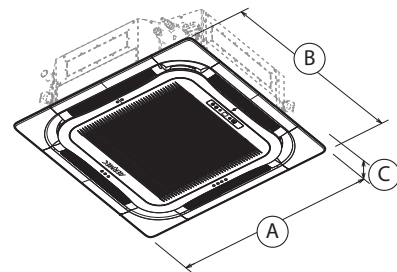
LCG C/CS - CASSETTE



Without packaging	A (mm)	B (mm)	C (mm)	Net Weight (kg)
LCG350CS	570	570	265	17
LCG500CS	570	570	265	17
LCG700C	840	840	240	29
LCG850C	840	840	240	29
LCG1000C	840	840	240	31
LCG1200C	840	840	290	33
LCG1400C	840	840	290	36
LCG1600C	840	840	290	36

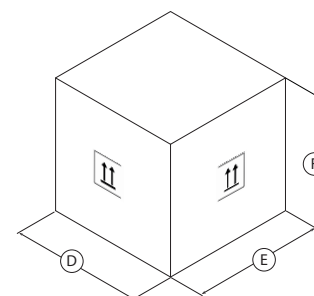
With packaging	D (mm)	E (mm)	F (mm)	Gross weight (kg)
LCG350CS	698	653	300	22
LCG500CS	698	653	300	22
LCG700C	963	963	325	36
LCG850C	963	963	325	36
LCG1000C	963	963	325	38
LCG1200C	963	963	379	41
LCG1400C	963	963	379	44
LCG1600C	963	963	379	44

GLG40 - GLG40S - GRILLES



Without packaging	A (mm)	B (mm)	C (mm)	Net Weight (kg)
GLG40	950	950	52	6.0
GLG40S	620	620	47.5	3.0

With packaging	D (mm)	E (mm)	F (mm)	Gross weight (kg)
GLG40	1038	1033	112	9.5
GLG40S	701	701	125	4.5



Carton Box Example