

# LPG

# Monosplit

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

- SEER up to 7.2.
- Wi-fi control using the relative accessory.

LPG\_CS / LPG\_C



LPG\_D



LPG\_F



## DESCRIPTION

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

- LPG\_D (Duct) for duct type horizontal installation.
- LPG\_C / CS (Cassette) for false ceiling installation.
- LPG\_F (Floor ceiling) wall and/or ceiling installation.

## TYPE OF INDOOR UNIT

### Indoor unit LPG\_D

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



- Every indoor unit comes with a remote control and a remote control holder.
- **WRC50** 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.
- **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.

### Indoor unit LPG\_CS

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.
- **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.

### Indoor unit LPG\_C

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.
- **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.

### Indoor unit LPG\_F

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.
- **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.

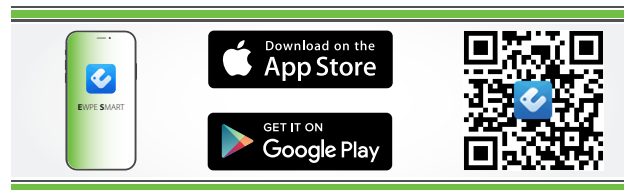
### X-fan function

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 WRC50W panel, 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

Reversible air/air heat pump with DC inverter technology.

- Fitted with an 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.\*

**WRC50:** Wired panel with liquid crystal display and soft-touch buttons.

**WRC50W:** Flush panel with LCD display and Soft-Touch keys. With this accessory it is possible to control not only the traditional system functions but also a weekly timer with daily time slots. It is equipped with WiFi and Bluetooth® connection for better connection stability.

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

**DCG10:** 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.

**ECD10:** This accessory makes it possible to manage the switching on/off of the indoor units via the ON-OFF device.

**GLG 40:** Air supply and flow grid with dimensions (950x950 mm) for cassette internal unit.

**GLG 40S:** Air supply and flow grid with dimensions (620x620 mm) for cassette internal unit.

**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.

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



## Accessories compatibility

### LPG\_D

Accessory	LPG350D	LPG500D	LPG700D	LPG850D	LPG1000D	LPG1200D	LPG1400D	LPG1600D
CC2 (1)	•	•	•	•	•	•	•	•
WRC50W	•	•	•	•	•	•	•	•

(1) Auto-restart function.

The use of the CC2 centralised control requires the installation of 1 MINIMODBUS20 for each indoor unit installed.  
Wired panel WRC50 standard supply.

Accessory	LPG350D	LPG500D	LPG700D	LPG850D	LPG1000D	LPG1200D	LPG1400D	LPG1600D
DCG10	•	•	•	•	•	•	•	•
ECD10	•	•	•	•	•	•	•	•
MINIMODBUS20 (1)	•	•	•	•	•	•	•	•

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

### LPG\_C/CS

Accessory	LPG350CS	LPG500CS	LPG700C	LPG850C	LPG1000C	LPG1200C	LPG1400C	LPG1600C
CC2 (1)	•	•	•	•	•	•	•	•
WRC50	•	•	•	•	•	•	•	•
WRC50W	•	•	•	•	•	•	•	•

(1) Auto-restart function.

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

Accessory	LPG350CS	LPG500CS	LPG700C	LPG850C	LPG1000C	LPG1200C	LPG1400C	LPG1600C
DCG10	•	•	•	•	•	•	•	•
ECD10	•	•	•	•	•	•	•	•
MINIMODBUS20 (1)	•	•	•	•	•	•	•	•

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

Accessory	LPG350CS	LPG500CS	LPG700C	LPG850C	LPG1000C	LPG1200C	LPG1400C	LPG1600C
GLG40 (1)			•	•	•	•	•	•
GLG40S (1)	•	•						

(1) Mandatory accessory.

### LPG\_F

Accessory	LPG350F	LPG500F	LPG700F	LPG850F	LPG1000F	LPG1200F	LPG1400F	LPG1600F
CC2 (1)	•	•	•	•	•	•	•	•
WRC50	•	•	•	•	•	•	•	•
WRC50W	•	•	•	•	•	•	•	•

(1) Auto-restart function.

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

Accessory	LPG350F	LPG500F	LPG700F	LPG850F	LPG1000F	LPG1200F	LPG1400F	LPG1600F
DCG10	•	•	•	•	•	•	•	•
ECD10	•	•	•	•	•	•	•	•
MINIMODBUS20 (1)	•	•	•	•	•	•	•	•

(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

		LPG350	LPG500	LPG700	LPG850	LPG1000	LPG1000T	LPG1200	LPG1200T	LPG1400	LPG1400T	LPG1600T
<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	1800	2200	3600	3600	4800	4800	5200	5200	5200	5200	5500
<b>Sound power (1)</b>												
Maximum	dB(A)	56,0	65,0	69,0	70,0	70,0	70,0	73,0	73,0	73,0	75,0	75,0
<b>Sound pressure (2)</b>												
Maximum	dB(A)	48,0	52,0	55,0	57,0	57,0	57,0	58,0	58,0	59,0	59,0	60,0
<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	0,57	0,85	1,50	1,50	2,10	2,10	2,25	2,25	2,80	2,80	3,50
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	0,38	0,57	1,01	1,01	1,42	1,42	1,52	1,52	1,89	1,89	2,36
<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	30	30	30	75	75	75	75	75	75	75
Maximum refrigerant line level difference	m	15,0	20,0	20,0	25,0	30,0	30,0	30,0	30,0	30,0	30,0	30,0
Refrigerant to be added	g/m	16	16	20	20	20	20	20	20	35	35	35
<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

### LPG\_D

Indoor unit		LPG350D	LPG500D	LPG700D	LPG850D	LPG1000D	LPG1000D	LPG1200D	LPG1200D	LPG1400D	LPG1400D	LPG1600D
Outdoor unit		LPG350	LPG500	LCG700	LPG850	LPG1000	LPG1000T	LPG1200	LPG1200T	LPG1400	LPG1400T	LPG1600T
<b>Nominal cooling performances</b>												
Cooling capacity (1)	kW	3,50	5,30	7,10	8,50	10,50	10,50	12,10	12,10	13,40	13,40	16,00
Cooling input power (1)	kW	1,03	1,51	1,92	2,50	3,00	3,00	3,58	3,58	4,50	4,50	5,40
EER (2)	W/W	3,40	3,51	3,70	3,40	3,50	3,50	3,38	3,38	2,98	2,98	2,96
Moisture removed	l/h	1,0	1,7	2,4	2,8	3,3	3,3	3,7	3,7	3,9	3,9	4,6
<b>Minimum cooling performances</b>												
Cooling capacity	kW	0,90	1,60	2,40	2,90	3,20	3,20	3,60	3,60	4,00	4,00	4,80
Cooling input power	kW	0,20	0,30	0,50	0,75	0,90	0,90	1,10	1,10	1,35	1,35	1,50
<b>Maximum cooling performances</b>												
Cooling capacity	kW	4,00	5,80	7,60	9,00	11,00	11,00	13,10	13,10	14,20	14,20	17,00
Cooling input power	kW	1,30	1,80	2,60	3,30	4,00	4,00	5,30	5,30	5,60	5,60	6,80
<b>Seasonal efficiency</b>												
SEER	W/W	6,50	6,30	6,60	6,40	6,40	6,40	6,10	6,10	6,10	6,10	6,10
Efficiency energy class (3)		A++	A++	A++	A++	A++	A++	-	-	-	-	-
Pdesignc	kW	3,5	5,3	7,1	8,5	10,5	10,5	-	-	-	-	-
Annual power consumption	kWh/annum	189	294	377	465	574	574	-	-	-	-	-
<b>Nominal heating performances</b>												
Heating capacity (4)	kW	4,00	5,60	8,00	8,80	11,50	11,50	13,50	13,50	15,50	15,50	17,00
Heating input power (4)	kW	1,00	1,42	2,00	2,25	2,80	2,80	3,70	3,70	4,50	4,50	4,70
COP (2)	W/W	4,00	3,94	4,00	3,91	4,11	4,11	3,65	3,65	3,44	3,44	3,62
<b>Minimum heating performances</b>												
Heating capacity	kW	0,90	1,60	2,20	2,50	3,00	3,00	3,60	3,60	3,90	3,90	4,50
Heating input power	kW	0,20	0,30	0,50	0,75	0,90	0,90	1,10	1,10	1,35	1,35	1,50
<b>Maximum heating performances</b>												
Heating capacity	kW	4,50	6,10	8,60	9,50	12,50	12,50	14,50	14,50	16,00	16,00	18,00
Heating input power	kW	1,30	1,80	2,60	3,30	4,00	4,00	5,30	5,30	5,60	5,60	6,80
<b>Seasonal efficiency (temperate climate)</b>												
SCOP	W/W	4,00	4,00	4,10	4,10	4,20	4,20	4,10	4,10	4,00	4,00	4,00
Efficiency energy class (3)		A+	A+	A+	A+	A+	A+	-	-	-	-	-
Pdesignh	kW	3,00	3,90	4,70	6,00	7,00	7,00	-	-	-	-	-
Annual power consumption	kWh/annum	1050	1365	1605	2049	2333	2333	-	-	-	-	-
<b>Electric data</b>												
Rated power input (5)	kW	1,30	1,90	2,80	3,30	4,70	4,40	5,30	5,30	5,60	5,60	6,80
Rated current input (5)	A	6,0	9,5	14,0	15,0	21,0	7,0	23,0	9,0	25,0	11,0	12,0
<b>Refrigeration pipework</b>												
Diameter of liquid refrigerant connections	mm (inch)	6.35 (1/4")	6.35 (1/4")	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")
Diameter of refrigerant gas connections	mm (inch)	9.52 (3/8")	12.7 (1/2")	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")
Nominal length of refrigerant lines	m	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	7,5	7,5	7,5
<b>Power supply</b>												
Power supply		220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	220-240V ~ 50Hz	380-415V 3N~ 50/60Hz	220-240V ~ 50Hz	380-415V 3N~ 50/60Hz	220-240V ~ 50Hz	380-415V 3N~ 50/60Hz	380-415V 3N~ 50/60Hz

(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.

		LPG350D	LPG500D	LPG700D	LPG850D	LPG1000D	LPG1200D	LPG1400D	LPG1600D
<b>Indoor unit</b>									
Type of fan	Type	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal
<b>Air flow rate</b>									
Turbo	m <sup>3</sup> /h	600	900	1100	1400	1700	2000	2300	2600
Maximum	m <sup>3</sup> /h	550	800	1000	1300	1600	1800	2100	2300
Average	m <sup>3</sup> /h	500	700	900	1100	1400	1600	1800	2000
Minimum	m <sup>3</sup> /h	400	600	800	1000	1200	1400	1500	1700
<b>High static pressure</b>									
Nominal	Pa	25	25	25	37	50	50	50	50
Maximum	Pa	80	80	160	160	155	155	200	200
<b>Sound pressure</b>									
Turbo	dB(A)	35,0	36,0	37,0	43,0	39,0	43,0	43,0	46,0
Maximum	dB(A)	33,0	35,0	35,0	41,0	38,0	42,0	42,0	44,0
Average	dB(A)	32,0	33,0	33,0	39,0	37,0	41,0	40,0	42,0
Minimum	dB(A)	30,0	31,0	31,0	37,0	36,0	40,0	38,0	40,0
<b>Indoor unit</b>									
Condensate discharge diameter	mm	26,0	26,0	26,0	26,0	26,0	26,0	26,0	26,0

Sound pressure measured in semi anechoic chamber at a distance of 1 m from the source (1,5m for type Duct and Cassette)

## LPG CS / C

Indoor unit		LPG350CS	LPG500CS	LPG700C	LPG850C	LPG1000C	LPG1000C	LPG1200C	LPG1200C	LPG1400C	LPG1400C	LPG1600C
Outdoor unit		LPG350	LPG500	LPG700	LPG850	LPG1000	LPG1000T	LPG1200	LPG1200T	LPG1400	LPG1400T	LPG1600T
<b>Nominal cooling performances</b>												
Cooling capacity (1)	kW	3,50	5,00	7,10	8,50	10,50	10,50	12,10	12,10	13,40	13,40	14,50
Cooling input power (1)	kW	0,92	1,47	2,03	2,50	3,10	3,10	3,90	3,90	4,60	4,60	5,30
EER (2)	W/W	3,80	3,40	3,50	3,40	3,40	3,40	3,10	3,10	2,91	2,91	2,74
Moisture removed	l/h	1,0	1,7	2,4	2,8	3,3	3,3	3,7	3,7	3,9	3,9	4,8
<b>Minimum cooling performances</b>												
Cooling capacity	kW	0,90	1,60	2,40	2,90	3,20	3,20	3,60	3,60	4,00	4,00	4,80
Cooling input power	kW	0,20	0,30	0,50	0,75	0,90	0,90	1,10	1,10	1,35	1,35	1,50
<b>Maximum cooling performances</b>												
Cooling capacity	kW	4,00	5,20	7,60	9,00	11,00	11,00	13,10	13,10	14,20	14,20	15,00
Cooling input power	kW	1,30	1,80	2,60	3,30	4,00	4,00	5,30	5,30	5,60	5,60	6,80
<b>Seasonal efficiency</b>												
SEER	W/W	7,10	6,60	6,70	6,90	6,60	6,60	6,10	6,10	6,30	6,30	6,10
Efficiency energy class (3)		A++	A++	A++	A++	A++	A++	-	-	-	-	-
Pdesignc	kW	3,5	5,0	7,1	8,5	10,5	10,5	-	-	-	-	-
Annual power consumption	kWh/annum	173	266	371	432	557	557	-	-	-	-	-
<b>Nominal heating performances</b>												
Heating capacity (4)	kW	4,00	5,60	7,80	8,80	11,50	11,50	13,50	13,50	15,50	15,50	17,00
Heating input power (4)	kW	1,00	1,60	2,00	2,25	2,95	2,95	3,97	3,97	4,70	4,70	5,70
COP (2)	W/W	4,00	3,50	3,90	3,90	3,90	3,90	3,40	3,40	3,30	3,30	2,98
<b>Minimum heating performances</b>												
Heating capacity	kW	0,90	1,60	2,20	2,50	3,00	3,00	3,60	3,60	3,90	3,90	4,50
Heating input power	kW	0,20	0,30	0,50	0,75	0,90	0,90	1,10	1,10	1,35	1,35	1,50
<b>Maximum heating performances</b>												
Heating capacity	kW	4,50	6,10	8,60	9,50	12,50	12,50	14,50	14,50	16,00	16,00	17,50
Heating input power	kW	1,30	1,80	2,60	3,30	4,00	4,00	5,30	5,30	5,60	5,60	6,80
<b>Seasonal efficiency (temperate climate)</b>												
SCOP	W/W	4,20	4,00	4,30	4,30	4,40	4,40	4,10	4,10	4,00	4,00	4,00
Efficiency energy class (3)		A+	A+	A+	A+	A+	A+	-	-	-	-	-
Pdesignh	kW	3,10	3,90	5,00	6,00	7,00	7,00	-	-	-	-	-
Annual power consumption	kWh/annum	1034	1365	1628	1954	2227	2227	-	-	-	-	-
<b>Electric data</b>												
Rated power input (5)	kW	1,30	1,90	2,80	3,30	4,70	4,40	5,30	5,30	5,60	5,60	6,80
Rated current input (5)	A	6,0	9,5	14,0	15,0	21,0	7,0	23,0	9,0	25,0	11,0	12,0
<b>Refrigeration pipework</b>												
Diameter of liquid refrigerant connections	mm (inch)	6.35 (1/4")	6.35 (1/4")	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")
Diameter of refrigerant gas connections	mm (inch)	9.52 (3/8")	12.7 (1/2")	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")
Nominal length of refrigerant lines	m	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	7,5	7,5	7,5
<b>Power supply</b>												
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) 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.

		LPG350CS	LPG500CS	LPG700C	LPG850C	LPG1000C	LPG1200C	LPG1400C	LPG1600C
<b>Indoor unit</b>									
Type of fan	Type	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal	Inverter centrifugal
<b>Air flow rate</b>									
Turbo	m <sup>3</sup> /h	600	720	1100	1400	1500	1700	2000	2300
Maximum	m <sup>3</sup> /h	550	650	1000	1300	1400	1500	1800	2100
Average	m <sup>3</sup> /h	500	600	900	1100	1200	1300	1600	1900
Minimum	m <sup>3</sup> /h	400	500	800	1000	1000	1100	1400	1600
<b>Sound pressure</b>									
Turbo	dB(A)	36,0	43,0	39,0	47,0	43,0	48,0	50,0	52,0
Maximum	dB(A)	35,0	41,0	38,0	46,0	41,0	46,0	48,0	50,0
Average	dB(A)	33,0	39,0	36,0	42,0	39,0	43,0	45,0	48,0
Minimum	dB(A)	29,0	35,0	34,0	38,0	38,0	39,0	41,0	44,0
<b>Indoor unit</b>									
Condensate discharge diameter	mm	25,0	25,0	25,0	25,0	25,0	25,0	25,0	25,0

Sound pressure measured in semi anechoic chamber at a distance of 1 m from the source (1,5m for type Duct and Cassette)

## LPG\_F

Indoor unit		LPG350F	LCG500F	LPG700F	LPG850F	LPG1000F	LPG1000F	LPG1200F	LPG1200F	LPG1400F	LPG1400F	LPG1600F
Outdoor unit		LPG350	LPG500	LPG700	LPG850	LPG1000	LPG1000T	LPG1200	LPG1200T	LPG1400	LPG1400T	LPG1600T
<b>Nominal cooling performances</b>												
Cooling capacity (1)	kW	3,50	5,30	7,10	8,50	10,00	10,00	12,10	12,10	13,40	13,40	16,00
Cooling input power (1)	kW	0,92	1,56	2,03	2,50	2,94	2,94	3,67	3,67	4,30	4,30	5,30
EER (2)	W/W	3,80	3,40	3,50	3,40	3,40	3,40	3,30	3,30	3,12	3,12	3,02
Moisture removed	l/h	1,1	1,7	2,4	2,8	3,3	3,3	3,7	3,7	3,9	3,9	4,7
<b>Minimum cooling performances</b>												
Cooling capacity	kW	0,90	1,60	2,40	2,90	3,20	3,20	3,60	3,60	4,00	4,00	4,80
Cooling input power	kW	0,20	0,30	0,50	0,75	0,90	0,90	1,10	1,10	1,35	1,35	1,50
<b>Maximum cooling performances</b>												
Cooling capacity	kW	4,00	5,50	7,60	9,00	10,50	10,50	13,10	13,10	14,20	14,20	17,00
Cooling input power	kW	1,30	1,80	2,60	3,30	4,00	4,00	5,30	5,30	5,60	5,60	6,80
<b>Seasonal efficiency</b>												
SEER	W/W	7,20	6,50	7,20	6,80	6,30	6,30	6,30	6,30	6,30	6,30	6,10
Efficiency energy class (3)		A++	A++	A++	A++	A++	A++	-	-	-	-	-
Pdesignc	kW	3,5	5,3	7,1	8,5	10,0	10,0	-	-	-	-	-
Annual power consumption	kWh/annum	170	285	345	438	556	556	-	-	-	-	-
<b>Nominal heating performances</b>												
Heating capacity (4)	kW	4,00	5,60	7,70	8,80	11,50	11,50	13,50	13,50	15,50	15,50	17,00
Heating input power (4)	kW	0,93	1,44	1,95	2,25	2,95	2,95	3,75	3,75	4,20	4,20	4,80
COP (2)	W/W	4,30	3,90	3,95	3,90	3,90	3,90	3,60	3,60	3,69	3,69	3,54
<b>Minimum heating performances</b>												
Heating capacity	kW	0,90	1,60	2,20	2,50	3,00	3,00	3,60	3,60	3,90	3,90	4,50
Heating input power	kW	0,20	0,30	0,50	0,75	0,90	0,90	1,10	1,10	1,35	1,35	1,50
<b>Maximum heating performances</b>												
Heating capacity	kW	4,50	6,10	8,40	9,50	12,00	12,00	14,50	14,50	16,00	16,00	18,00
Heating input power	kW	1,30	1,80	2,60	3,30	4,00	4,00	5,30	5,30	5,60	5,60	6,80
<b>Seasonal efficiency (temperate climate)</b>												
SCOP	W/W	4,10	4,20	4,30	4,50	4,20	4,20	4,00	4,00	4,00	4,00	4,00
Efficiency energy class (3)		A+	A+	A+	A+	A+	A+	-	-	-	-	-
Pdesignh	kW	3,10	3,90	4,70	6,00	7,00	7,00	-	-	-	-	-
Annual power consumption	kWh/annum	1059	1300	1530	1867	2333	2333	-	-	-	-	-
<b>Electric data</b>												
Rated power input (5)	kW	1,30	1,90	2,80	3,30	4,70	4,40	5,30	5,30	5,60	5,60	6,80
Rated current input (5)	A	6,0	9,5	14,0	15,0	21,0	7,0	23,0	9,0	25,0	11,0	12,0
<b>Refrigeration pipework</b>												
Diameter of liquid refrigerant connections	mm (inch)	6.35 (1/4")	6.35 (1/4")	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")
Diameter of refrigerant gas connections	mm (inch)	9.52 (3/8")	12.7 (1/2")	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")
Nominal length of refrigerant lines	m	5,0	5,0	5,0	5,0	5,0	5,0	5,0	5,0	7,5	7,5	7,5
<b>Power supply</b>												
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) 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.

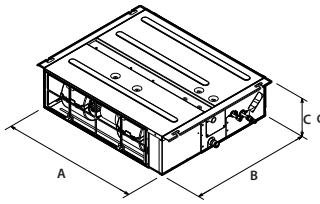
		LPG350F	LPG500F	LPG700F	LPG850F	LPG1000F	LPG1200F	LPG1400F	LPG1600F
<b>Indoor unit</b>									
Type of fan	Type	Inverter centrifugal							
<b>Air flow rate</b>									
Turbo	m <sup>3</sup> /h	650	900	1250	1400	1600	1900	2300	2400
Maximum	m <sup>3</sup> /h	600	800	1100	1300	1500	1800	2100	2200
Average	m <sup>3</sup> /h	500	700	1000	1200	1400	1600	1800	1900
Minimum	m <sup>3</sup> /h	400	600	900	1000	1200	1400	1500	1600
<b>Sound pressure</b>									
Turbo	dB(A)	35,0	41,0	41,0	46,0	48,0	45,0	51,0	53,0
Maximum	dB(A)	34,0	40,0	39,0	45,0	46,0	43,0	48,0	51,0
Average	dB(A)	31,0	38,0	37,0	43,0	45,0	40,0	45,0	48,0
Minimum	dB(A)	28,0	36,0	35,0	39,0	43,0	38,0	43,0	44,0
<b>Indoor unit</b>									
Condensate discharge diameter	mm	17,0	17,0	17,0	17,0	17,0	17,0	17,0	17,0

Sound pressure measured in semi anechoic chamber at a distance of 1 m from the source (1,5m for type Duct and Cassette)

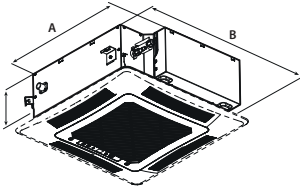


## INDOOR UNIT WEIGHTS AND DIMENSIONS

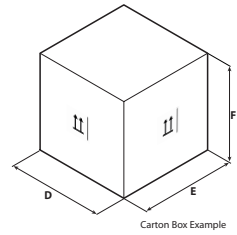
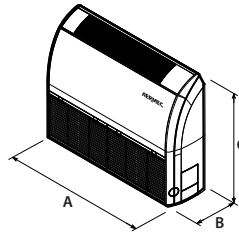
LPG\_D



LPG\_C / CS



LPG\_F



LPG\_D

		LPG350D	LPG500D	LPG700D	LPG850D	LPG1000D	LPG1200D	LPG1400D	LPG1600D
<b>Indoor unit</b>									
A	mm	710	1000	900	900	1340	1340	1400	1400
B	mm	450	450	655	655	655	655	700	700
C	mm	200	200	260	260	260	260	300	300
Net weight	kg	18,0	24,0	29,5	29,5	43,0	43,0	52,0	55,0
<b>Dimensions and weights for transport</b>									
D	mm	1008	1308	1115	1115	1568	1568	1601	1601
E	mm	568	568	772	772	770	770	813	813
F	mm	275	275	320	320	323	323	365	365
Weight for transport	kg	22,0	29,0	33,5	33,5	49,0	49,0	58,0	62,0

LPG\_C / CS

		LPG350CS	LPG500CS	LPG700C	LPG850C	LPG1000C	LPG1200C	LPG1400C	LPG1600C
<b>Indoor unit</b>									
A	mm	570	570	840	840	840	840	840	840
B	mm	570	570	840	840	840	840	840	840
C	mm	260	260	200	200	240	240	290	290
Net weight	kg	17,0	17,0	21,0	21,0	23,0	23,0	25,0	26,0
<b>Dimensions and weights for transport</b>									
D	mm	698	698	943	943	933	933	933	933
E	mm	653	653	923	923	903	903	903	903
F	mm	295	295	245	245	272	272	335	335
Weight for transport	kg	21,0	21,0	27,0	27,0	29,0	29,0	32,0	33,0

LPG\_F

		LPG350F	LPG500F	LPG700F	LPG850F	LPG1000F	LPG1200F	LPG1400F	LPG1600F
<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
Net weight	kg	24,0	25,0	31,0	32,0	32,0	40,0	42,0	42,0
<b>Dimensions and weights for transport</b>									
D	mm	973	973	1303	1303	1303	1669	1669	1669
E	mm	770	770	770	770	770	770	770	770
F	mm	300	300	300	300	300	300	300	300
Weight for transport	kg	28,0	29,0	36,0	37,0	37,0	47,0	49,0	49,0

## Grid dimensions and weights

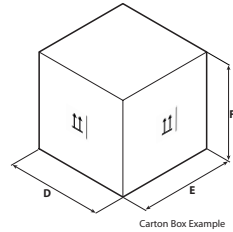
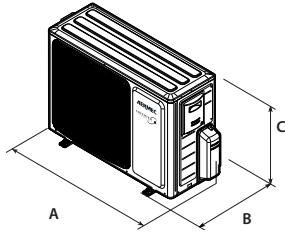
GLG40 - GLG40S

		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



LPG350 - LCGP500 - LPG700 - LPG850  
 LPG1000 - LPG1000T - LPG1200  
 LPG1200T - LPG1400 - LPG1400T - LP-  
 G1600T

		LPG350	LPG500	LPG700	LPG850	LPG1000	LPG1000T	LPG1200	LPG1200T	LPG1400	LPG1400T	LPG1600T
<b>Outdoor unit</b>												
A	mm	732	802	958	958	1020	1020	1020	1020	1020	1020	1070
B	mm	330	350	402	402	427	427	427	427	427	427	427
C	mm	553	555	660	660	820	820	820	820	820	820	960
Net weight	kg	24,5	30,5	41,5	46,0	65,0	75,0	66,0	76,0	73,0	81,0	94,0
<b>Dimensions and weights for transport</b>												
D	mm	794	872	1032	1032	1095	1095	1095	1095	1095	1095	1150
E	mm	376	398	456	456	500	500	500	500	500	500	475
F	mm	605	609	730	730	955	955	955	955	955	955	1095
Weight for transport	kg	27,0	33,0	45,0	50,0	72,0	88,0	73,0	89,0	86,0	94,0	103,0

Aermec reserves the right to make any modifications deemed necessary.  
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