

LEO KC

CONDENSING WALL-HUNG BOILER WITH INSTANTANEOUS PRODUCTION OF DHW



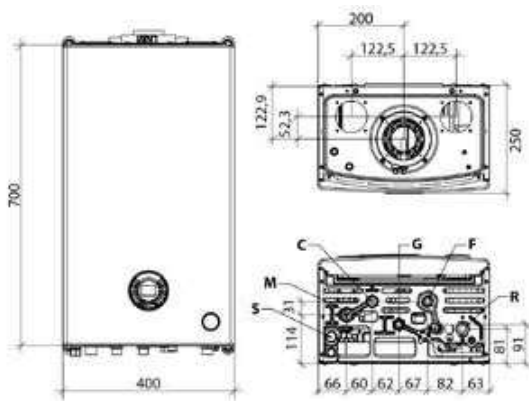
- ▶ **High efficiency stainless steel heat exchanger with single coil and wide passage section**
- ▶ **Heating expansion vessel - 9 litres**
- ▶ **Compact dimension, only 250 mm deep**
- ▶ **Easy to install in pre-existing plants thanks to: central flue vent, wall fixing bracket and double hole for split suction**
- ▶ **Thermoregulation with external probe (optional)**
- ▶ **Backlit LCD user interface with diagnostics**
-) Modulation ratio: 1:5
-) Fully pre-mixed burner
-) High-efficiency circulation pump with built-in air purging device
-) Programmable parameters to adapt the boiler to the installation and alerts history
-) Stainless steel plate DHW heat exchanger
-) Class 6 of NOx emissions
-) Automatic by-pass

Available in the following models:

24

Model	Gas type	Code	Heat input		Energy efficiency class		L x H x D mm	Gross weight kg
			Nominal (Qn) kW	Nominal DHW kW	Room heating	Heating DHW		
KC 24	NATURAL GAS	KLFXX2KC24	20,0	24,0	A	A XL	400x700x250	29,0
	PROPANE	KLFXX6KC24						

DIMENSIONS AND CONNECTION CENTRE DISTANCES



- S Condensate drain
- M CH system flow (3/4")
- C DHW outlet (1 1/2")

- G Gas inlet (1/2")
- F Cold water inlet (1/2")
- R CH system return (3/4")





Technical specifications	um	KC 24
Nominal heat output (Pn)	kW	19
Seasonal energy efficiency of ambient heating (η_s)	%	92
Water heating energy efficiency (η_{wh})	%	84
Nominal heat input (Qn)	kW	20,0
Nominal heat output (80-60°C) (Pn)	kW	19,4
Heat output (50-30°C)	kW	21,2
Reduced heat input (Qr)	kW	5,0
Useful efficiency at nominal input (80-60°C)	%	97,1
Useful efficiency at nominal input (50-30°C)	%	106,1
Useful efficiency at 30% (30°C return)	%	108,1
Heating expansion vessel capacity	l	9
DHW nominal heat input	kW	24,0
Specific DHW flow $\Delta T=30K$	l/min	12,0
NOx emission class	-	6
Electric protection rating	IP	IPX4D

For other technical specifications, see from page 54 - Maximum length of flue gas venting, see page 96



Item	Description	Code	Item	Description	Code
	Coaxial kit \varnothing 60/100 length 75cm	0CONDASP00		Splitter kit \varnothing 80+80	0KITSDOP00
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04		External probe (60x45x31 mm)	0SONDAES01
	Thermostat starter kit + Spot gateway	0SPOTAPP01		Magnetic dirt separator filter	0AFILDEF00
	Zone expansion for Spot thermostat	0EXPSPOT01		Compact wall pipe cover	0COPETUB00
	Ambient temperature probe	0KITSAMB00		Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05
	Coaxial fitting kit \varnothing 60/100	0KITATCO00		Coax. adapter kit D.60/100 to D.80/125	0KITADCO00

For other accessories, see from page 95



How to increase energy efficiency?

Discover the most suitable solution

Seasonal energy efficiency of ambient heating (η_s)			
Regulation device		Code	KC 24
Option 1	Boiler + external probe	0SONDAES01	94%
Option 2	Boiler + ambient probe	0KITSAMB00	94%
Option 3	Boiler + remote control	0CREMOTO04	95%
Option 4	Boiler+ remote control + external probe	0CREMOTO04	96%
		0SONDAES01	