LEO NEXT KC

WALL-HUNG CONDENSING BOILER WITH INSTANTANEOUS PRODUCTION OF DHW



Available in the following models:

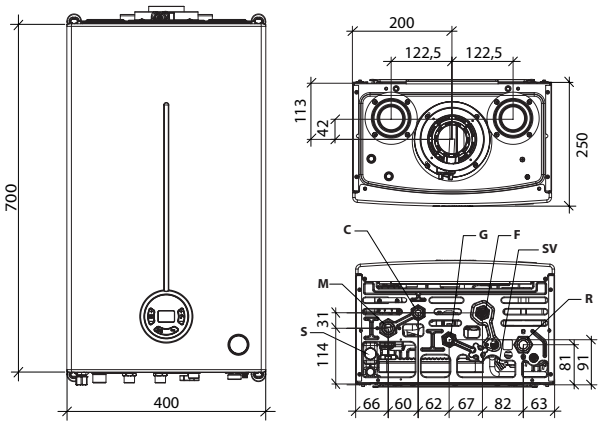
24 28

- **SMART COMBUSTION: Self-calibrating system that automatically adapts to gas mixture, ensuring consistently optimal performance over time.**
- **MODULATION (1:8): Perfectly matches actual demand, reducing energy consumption and ignition cycles.**
- **HIGH-EFFICIENCY STAINLESS STEEL HEAT EXCHANGER: Single-coil design with large bore for long-term reliability and consistent performance.**
- **CERAMIC QUALITY: High-performance ceramic burner enabling a wider modulation range.**
- **9-LITRE EXPANSION VESSEL: Greater system capacity, reducing the need for external accesories.**
- **ULTRA COMPACT DESIGN Only 250 mm deep: ideal even for confined spaces.**
- **HYDROGEN READY: Compatible with natural gas–hydrogen blends up to 20% H2, ready for future requirements.**
- **EASY GAS CONVERSION:** Switch gas type via electronic parameter only — no conversion kits required.
- **AUTO-AIR-PURGE:** Automatic air venting cycle at start-up for faster, hassle-free installation.
- **ADAPTIVE BOOST:** Fan control algorithm with dynamic pressure increase (parameter-activated); compatible with Ø50 and Ø60 flue, ideal for long distance exhaust and complex installations.
- **EASY INSTALLATION:** Simple and practical mounting and maintenance.
- **LCD DISPLAY:** Backlit display with integrated diagnostics for immediate system monitoring.
- **ADVANCED CONFIGURATION:** Programmable parameters for system customization and error history tracking.

Model	Gas type	Code	Heat input		Energy efficiency class		W x H x D	Gross weight
			Nominal (Qn) kW	Nominal DHW kW	Room heating	Heating DHW	mm	kg
KC 24	NATURAL GAS	KLGXX2KC24	20,0	24,0	A	A XL	400x700x250	27,5
KC 28	NATURAL GAS	KLGXX2KC28	24,0	28,0	A	A XL	400x700x250	30,0

Included in the price: Paper installation template, aspiration closing plugs and wall-mount bracket.

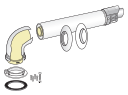
DIMENSIONS AND CONNECTION CENTRE DISTANCES

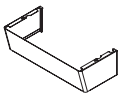




S	Condensate drain	**G**	Gas inlet (1/2")
M	CH system flow (3/4")	**F**	Cold water inlet (1/2")
C	DHW outlet (1\2")	**R**	CH system return (3/4")

Technical data	um	KC 24	KC 28
Rated output (Pn)	kW	19	23
Seasonal energy efficiency of ambient heating (ηs)	%	92	93
Water heating energy efficiency (ηwh)	%	88	82
Nominal heat input (Qn)	kW	20,0	24,0
Nominal heat output (80-60°C) (Pn)	kW	19,5	23,4
Heat output (50-30°C)	kW	21,3	25,9
Reduced heat input (Qr)	kW	3,0	3,5
Useful efficiency at nominal input (80-60°C)	%	97,3	97,5
Useful efficiency at nominal input (50-30°C)	%	106,5	107,7
Useful efficiency at 30% (30°C return)	%	107,3	109,7
Heating expansion vessel capacity	l	9	9
DHW nominal heat input	kW	24,0	28,0
Specific DHW flow ΔT=30K	l/min	12,3	13,4
NOx emission class	-	6	6
Electric protection rating	IP	IPX4D	IPX4D

Item	Description	Code
	Remote control Ready Remote	0CREMOTO08
	Spot Easy WI-FI Thermostat	0SPOTAPP20
	Multi-zone radio relay for pairing with Spot Easy thermostat	0RELERAD01
	Ø60/100 coaxial kit in painted steel, length 75 cm	0CONDASP00
	Coaxial fitting kit Ø60/100	0KITATCO00

Item	Description	Code
	Coax. adapter kit D.60/100 to D.80/125	0KITADCO00
	Splitter kit Ø80+80	0KITSDOP08
	External probe (60x45x31 mm)	0SONDAES01
	Magnetic dirt separator filter	0AFILDEF00
	Compact wall pipe cover - Height 110 mm - Width 400 mm - Depth (upper part) 194 mm - Depth (lower part) 165 mm	0COPETUB00

How to increase energy efficiency?

Discover the most suitable solution

Seasonal energy efficiency of ambient heating (ηs)				
Regulation device		Code	KC 24	KC 28
Option 1	Boiler + external probe	**0SONDAES01**	94%	95%
Option 2	Boiler + remote control	**0CREMOTO08**	95%	96%
Option 3	Boiler+ remote control + external probe	**0CREMOTO08** **0SONDAES01**	96%	97%

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