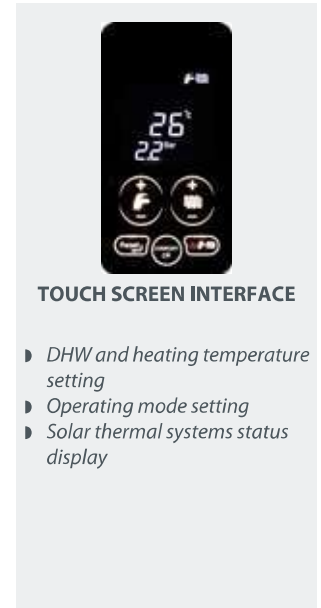


# FORMENTERA KC

CONDENSING WALL-HUNG BOILER WITH INSTANTANEOUS PRODUCTION OF DHW



- ▶ **Modulation ratio: 1:9**
- ▶ **High-efficiency modulating circulation pump with built-in air purging device**
- ▶ **Multifunction relay for connection to systems with zone valves or to solar plant or to remote alarm signal**
- ▶ **Controls to manage two different types of solar thermal systems fitted as standard**
- ▶ **High domestic hot water production, more power during DHW operation (18 - 28 - 30 - 35 kW)**
- ▶ **Stainless steel 26-plate DHW heat exchanger**
- ▶ **Heating expansion vessel - 10 litres**
- ▶ Compatible with SPOT smart thermostat
- ▶ Thermosetting polymer-covered stainless steel heat exchanger
- ▶ Freeze protection function for heating and hot water storage tank
- ▶ Thermoregulation with external probe (optional)
- ▶ Automatic by-pass



TOUCH SCREEN INTERFACE

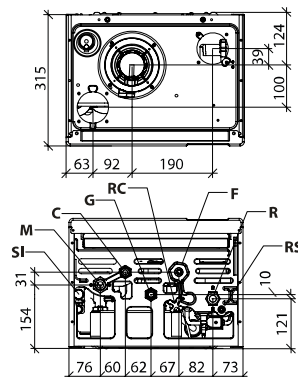
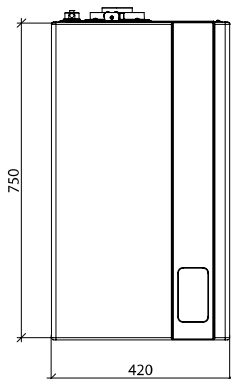
- ▶ DHW and heating temperature setting
- ▶ Operating mode setting
- ▶ Solar thermal systems status display

Available in the following models:



Model	Gas type	Code	Heat input		Energy efficiency class		L x H x P mm	Gross weight kg
			Nominal (Q <sub>n</sub> ) kW	Nominal DHW kW	Room heating	Heating DHW		
KC 12	NATURAL GAS	KFOXX2KC12	12,0	18,0	A	A <sub>M</sub>	420x750x315	36,5
	PROPANE	KFOXX6KC12						
KC 24	NATURAL GAS	KFOXX2KC24	23,7	27,3	A	A <sub>XL</sub>	420x750x315	37,5
	PROPANE	KFOXX6KC24						
KC 28	NATURAL GAS	KFOXX2KC28	26,4	30,4	A	A <sub>XL</sub>	420x750x315	39,0
	PROPANE	KFOXX6KC28						
KC 32	NATURAL GAS	KFOXX2KC32	30,4	34,5	A	A <sub>XXL</sub>	420x750x315	40,5
	PROPANE	KFOXX6KC32						

## DIMENSIONS AND CONNECTION CENTRE DISTANCES



SI Trap inspection cap  
M CH system flow (3/4")

RC Filler tap  
F Cold water inlet (1/2")



Technical specifications	um	KC 12	KC 24	KC 28	KC 32
Nominal heat output (Pn)	kW	12	23	26	29
Seasonal energy efficiency of ambient heating ( $\eta_s$ )	%	90	92	92	93
Water heating energy efficiency ( $\eta_{wh}$ )	%	77	85	86	87
Nominal heat input (Qn)	kW	12,0	23,7	26,4	30,4
Nominal heat output (80-60°C) (Pn)	kW	11,7	23,0	25,5	29,4
Heat output (50-30°C)	kW	12,6	25,0	28,0	32,3
Reduced heat input (Qr)	kW	2,0	3,0	3,3	4,2
Useful efficiency at nominal input (80-60°C)	%	97,1	96,8	96,7	96,8
Useful efficiency at nominal input (50-30°C)	%	105,1	105,6	106,0	106,2
Useful efficiency at 30% (30°C return)	%	106,0	107,4	107,4	108,3
Heating expansion vessel capacity	l	10	10	10	10
DHW nominal heat input	kW	18,0	27,3	30,4	34,5
Specific DHW flow $\Delta T=30K$	l/min	8,8	13,4	15,5	16,2
NOx emission class	-	6	6	6	6
Electric protection rating	IP	IPX5D	IPX5D	IPX5D	IPX5D

For other technical specifications, see from page 64 - Maximum length of flue gas venting, see page 94

Item	Description	Code	Item	Description	Code
	Coaxial kit $\varnothing$ 60/100 length 75cm	0CONDASP00		Electrical kit for zone management with external probe	0KITZONE05
	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		Kit for connection to solar plant	0KITSOLC07
	Coaxial fitting kit $\varnothing$ 60/100	0KITATCO00		Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05
	Splitter kit $\varnothing$ 80+80	0KITSDOP00		Electric kit for complex solar plant management	0KITSOLC08

For other accessories, see from page 93



## How to increase energy efficiency?

Discover the most suitable solution

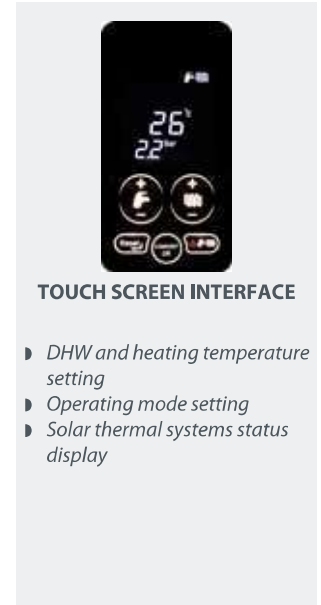
Seasonal energy efficiency of ambient heating ( $\eta_s$ )						
Regulation device		Code	KC 12	KC 24	KC 28	KC 32
<b>Option 1</b>	Boiler + external probe	<b>0SONDAES01</b>	92%	94%	94%	95%
<b>Option 2</b>	Boiler + remote control	<b>0CREMOTO04</b>	93%	95%	95%	96%
<b>Option 3</b>	Boiler+ remote control + external probe	<b>0SONDAES01</b>	94%	96%	96%	97%
		<b>0CREMOTO04</b>				

# FORMENTERA KR

WALL-HUNG CONDENSING BOILER CH ONLY  
 CONNECTION TO AN EXTERNAL HOT WATER STORAGE TANK (OPTIONAL) WITH  
 EXTERNAL 3-WAY VALVE (OPTIONAL)



- ▶ **Modulation ratio: 1:9**
- ▶ **High-efficiency modulating circulation pump with built-in air purging device**
- ▶ **Multifunction relay for connection to systems with zone valves or to solar plant or to remote alarm signal**
- ▶ **Standard management of one type of solar thermal system**
- ▶ **Heating expansion vessel - 10 litres**
- ▶ Compatible with SPOT smart thermostat
- ▶ Thermosetting polymer-covered stainless steel heat exchanger
- ▶ Anti-legionella function for hot water storage tank
- ▶ Automatic by-pass
- ▶ Thermoregulation with external probe (optional)



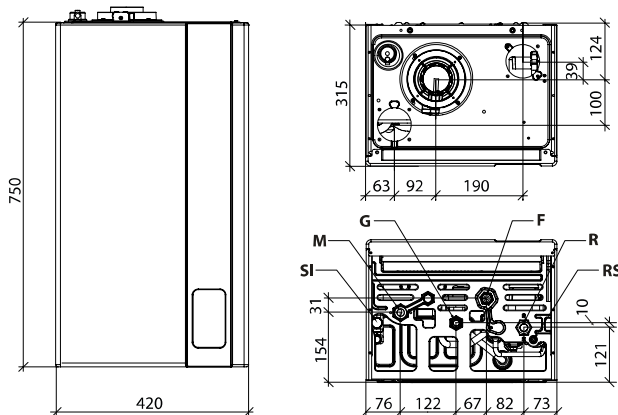
Available in the following models:



Model	Gas type	Code	Heat input		Energy efficiency class	L x H x P mm	Gross weight kg
			Nominal (Qn) kW	Nominal DHW kW			
KR 12	NATURAL GAS	KFOXX2KR12	12,0	18,0 (*)	A	420x750x315	34,0
	PROPANE	KFOXX6KR12					
KR 24	NATURAL GAS	KFOXX2KR24	23,7	27,3 (*)	A	420x750x315	36,0
	PROPANE	KFOXX6KR24					
KR 28	NATURAL GAS	KFOXX2KR28	26,4	30,4 (*)	A	420x750x315	37,5
	PROPANE	KFOXX6KR28					
KR 32	NATURAL GAS	KFOXX2KR32	30,4	34,5 (*)	A	420x750x315	39,0
	PROPANE	KFOXX6KR32					

(\*) with optional hot water storage tank.

## DIMENSIONS AND CONNECTION CENTRE DISTANCES



SI Trap inspection cap

F Cold water inlet (1/2")



Technical specifications	um	KR 12	KR 24	KR 28	KR 32
Nominal heat output (Pn)	kW	12	23	26	29
Seasonal energy efficiency of ambient heating ( $\eta_s$ )	%	90	92	92	93
Nominal heat input (Qn)	kW	12,0	23,7	26,4	30,4
Nominal heat output (80-60°C) (Pn)	kW	11,7	23,0	25,5	29,4
Heat output (50-30°C)	kW	12,6	25,0	28,0	32,3
Reduced heat input (Qr)	kW	2,0	3,0	3,3	4,2
Useful efficiency at nominal input (80-60°C)	%	97,1	96,8	96,7	96,8
Useful efficiency at nominal input (50-30°C)	%	105,1	105,6	106,0	106,2
Useful efficiency at 30% (30°C return)	%	106,0	107,4	107,4	108,3
Heating expansion vessel capacity	l	10	10	10	10
DHW nominal heat input	kW	18,0 (*)	27,3 (*)	30,4 (*)	34,5 (*)
NOx emission class	-	6	6	6	6
Electric protection rating	IP	IPX5D	IPX5D	IPX5D	IPX5D

(\*) with optional hot water storage tank.

For other technical specifications, see from page 65 - Maximum length of flue gas venting, see page 94



Item	Description	Code	Item	Description	Code
	Coaxial kit $\varnothing$ 60/100 length 75cm	0CONDASP00		Electrical kit for zone management with external probe	0KITZONE05
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04		External probe (60x45x31 mm)	0SONDAES01
	Thermostat starter kit + Spot gateway	0SPOTAPP01		hot water storage tank temperature probe 3m	0KITSOND00
	Zone expansion for Spot thermostat	0EXPSPOT01		Magnetic dirt separator filter	0AFILDEF00
	Coaxial fitting kit $\varnothing$ 60/100	0KITATCO00		Tap kit with filter KR-KB-RT	0KITRUBI04
	Splitter kit $\varnothing$ 80+80	0KITSDOP00		Electric kit for complex solar plant management	0KITSOLC08

For other accessories, see from page 93



## How to increase energy efficiency?

Discover the most suitable solution

Seasonal energy efficiency of ambient heating ( $\eta_s$ )						
Regulation device		Code	KR 12	KR 24	KR 28	KR 32
<b>Option 1</b>	Boiler + external probe	<b>0SONDAES01</b>	92%	94%	94%	95%
<b>Option 2</b>	Boiler + remote control	<b>0CREMOTO04</b>	93%	95%	95%	96%
<b>Option 3</b>	Boiler+ remote control + external probe	<b>0SONDAES01</b>	94%	96%	96%	97%
		<b>0CREMOTO04</b>				