

DELFI KC

CONDENSING WALL-HUNG BOILER WITH INSTANTANEOUS PRODUCTION OF DHW



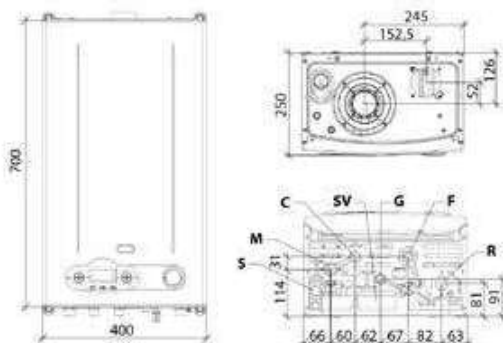
- ▶ **High domestic hot water production, more power during DHW operation (18 - 28 - 30 kW)**
- ▶ **Modulation ratio: 1:9**
- ▶ **Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal**
- ▶ **Heating expansion vessel - 9 litres**
- ▶ **High-efficiency modulating circulation pump with built-in air purging device**
-) Management of 2 different kinds of solar thermal system (with additional kit)
-) Thermoregulation with external probe (optional)
-) Compact dimension, only 250 mm deep
-) Thermosetting polymer-covered stainless steel heat exchanger
-) Prearrangement for connection to Remote Control (optional, supplied by the manufacturer)
-) Programmable parameters to adapt the boiler to the installation and alerts history
-) Automatic by-pass

Available in the following models:



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 12	NATURAL GAS	KDOXX2KC12	12,0	18,0	A	A M	400x700x250	30,5
	PROPANE	KDOXX6KC12						
KC 24	NATURAL GAS	KDOXX2KC24	23,7	27,3	A	A XL	400x700x250	32,0
	PROPANE	KDOXX6KC24						
KC 28	NATURAL GAS	KDOXX2KC28	26,4	30,4	A	A XL	400x700x250	33,5
	PROPANE	KDOXX6KC28						

DIMENSIONS AND CONNECTION CENTRE DISTANCES



- S Trap inspection cap
- M CH system flow (3/4")
- C DHW outlet (1 1/2")
- SV 3-bar safety valve drain

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





Technical specifications	um	KC 12	KC 24	KC 28
Nominal heat output (Pn)	kW	12	23	26
Seasonal energy efficiency of ambient heating (η_s)	%	90	92	92
Water heating energy efficiency (η_{wh})	%	78	84	80
Nominal heat input (Qn)	kW	12,0	23,7	26,4
Nominal heat output (80-60°C) (Pn)	kW	11,7	22,8	25,5
Heat output (50-30°C)	kW	12,6	24,9	28,0
Reduced heat input (Qr)	kW	2,0	3,0	3,3
Useful efficiency at nominal input (80-60°C)	%	97,1	96,3	96,7
Useful efficiency at nominal input (50-30°C)	%	105,1	105,1	105,9
Useful efficiency at 30% (30°C return)	%	106,0	107,2	107,5
Heating expansion vessel capacity	l	9	9	9
DHW nominal heat input	kW	18,0	27,3	30,4
Specific DHW flow $\Delta T=30K$	l/min	8,6	13,4	15,0
NOx emission class	-	6	6	6
Electric protection rating	IP	IPX4D	IPX4D	IPX4D

For other technical specifications, see from page 51 - Maximum length of flue gas venting, see page 96



Item	Description	Code	Item	Description	Code
	Coaxial kit \varnothing 60/100 length 75cm	0CONDASP00		Coaxial fitting kit \varnothing 60/100	0KITATCO00
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04		Electric kit for complex solar plant management	0KITSOLC08
	Thermostat starter kit + Spot gateway	0SPOTAPP01		Magnetic dirt separator filter	0AFILDEF00
	Zone expansion for Spot thermostat	0EXPSPOT01		Kit for connection to solar plant	0KITSOLC07
	Splitter kit \varnothing 80+80	0KITSDOP00		Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05
	Electrical kit for zone management with external probe	0KITZONE05		Coax. adapter kit D.60/100 to D.80/125	0KITADCO00
	External probe (60x45x31 mm)	0SONDAES01		Compact wall pipe cover	0COPETUB00

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 12	KC 24	KC 28
Option 1	Boiler + external probe	0SONDAES01	92%	94%	94%
Option 2	Boiler + remote control	0CREMOTO04	93%	95%	95%
Option 3	Boiler+ remote control + external probe	0SONDAES01	94%	96%	96%
		0CREMOTO04			

DELFI KR

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



- ▶ Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal
- ▶ Modulation ratio: 1:9
- ▶ Heating expansion vessel - 9 litres
- ▶ High-efficiency modulating circulation pump with built-in air purging device
- ▶ Freeze protection function for heating and hot water storage tank
- ▶ Thermoregulation with external probe (optional)
- ▶ Compact dimension, only 250 mm deep
- ▶ Thermosetting polymer-covered stainless steel heat exchanger
- ▶ Prearrangement for connection to Remote Control (optional, supplied by the manufacturer)
- ▶ Programmable parameters to adapt the boiler to the installation and alerts history
- ▶ Automatic by-pass

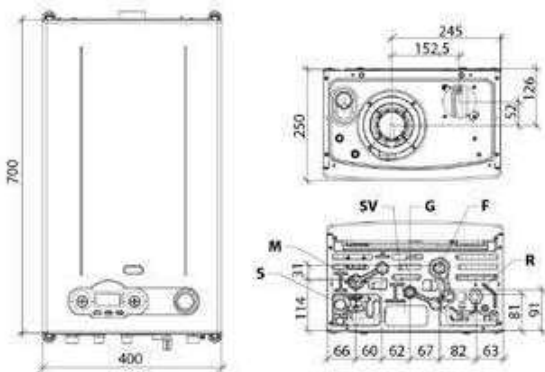
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	PROPANE	KDOXX6KR12					
KR 24	NATURAL GAS	KDOXX2KR24	23,7	27,3 (*)	A	400x700x250	32,0
	PROPANE	KDOXX6KR24					
KR 28	NATURAL GAS	KDOXX2KR28	26,4	30,4 (*)	A	400x700x250	31,0
	PROPANE	KDOXX6KR28					

(*) with optional hot water storage tank.

DIMENSIONS AND CONNECTION CENTRE DISTANCES



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SV 3-bar safety valve drain

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