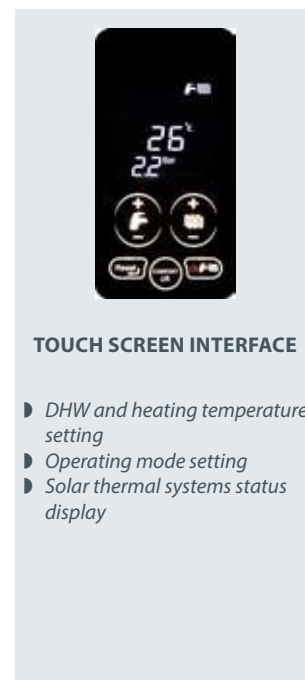


VIRGO KC

WALL-HUNG CONDENSING BOILER WITH INSTANTANEOUS PRODUCTION OF DHW



- ▶ **Modulation ratio: 1:9**
- ▶ **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**
- ▶ 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

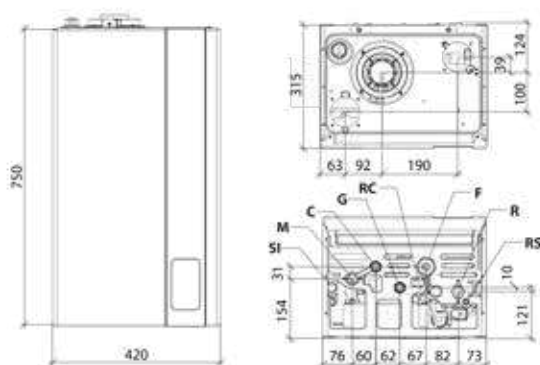


Available in the following models:



Model	Gas type	Code	Heat input		W x H x D	Gross weight
			Nominal (Qn) kW	Nominal DHW kW	mm	kg
KC 12	NATURAL GAS	CVOXX2KC12	12,0	18,0	420x750x315	36,5
	PROPANE	CVOXX6KC12				
KC 24	NATURAL GAS	CVOXX2KC24	23,7	27,3	420x750x315	37,5
	PROPANE	CVOXX6KC24				
KC 28	NATURAL GAS	CVOXX2KC28	26,4	30,4	420x750x315	39,0
	PROPANE	CVOXX6KC28				
KC 32	NATURAL GAS	CVOXX2KC32	30,4	34,5	420x750x315	40,5
	PROPANE	CVOXX6KC32				

DIMENSIONS AND CONNECTION CENTRE DISTANCES



- SI** Trap inspection cap
- M** CH system flow (3/4")
- C** DHW outlet (1 1/2")
- G** Gas inlet (1/2")

- RC** Filler tap
- F** Cold water inlet (1/2")
- R** CH system return (3/4")
- RS** Discharge tap





Technical data	um	KC 12	KC 24	KC 28	KC 32
Nominal heat input (Q _n)	kW	12,0	23,7	26,4	30,4
Nominal heat output (80-60°C) (P _n)	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 (Q _r)	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 ΔT=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 40 - Maximum length of flue gas venting, see page 120

Item	Description	Code	Item	Description	Code
	Coaxial kit Ø 60/100 length 75cm	0CONDASP00		External probe (60x45x31 mm)	0SONDAES01
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04		Magnetic dirt separator filter	0AFILDEF00
	Coaxial fitting kit Ø60/100	0KITATCO00		Kit for connection to solar plant	0KITSOLC07
	Splitter kit Ø80+80	0KITSDOP08		Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05
	Electrical kit for zone management with external probe	0KITZONE05		Electric kit for complex solar plant management	0KITSOLC08

For other accessories, see from page 119

VIRGO 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**
- ▶ **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**
 -) Thermosetting polymer-covered stainless steel heat exchanger
 -) Anti-legionella function for hot water storage tank
 -) Automatic by-pass
 -) Thermoregulation with external probe (optional)
 -) 3-speed circulation pump with built-in air purging device



TOUCH SCREEN INTERFACE

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

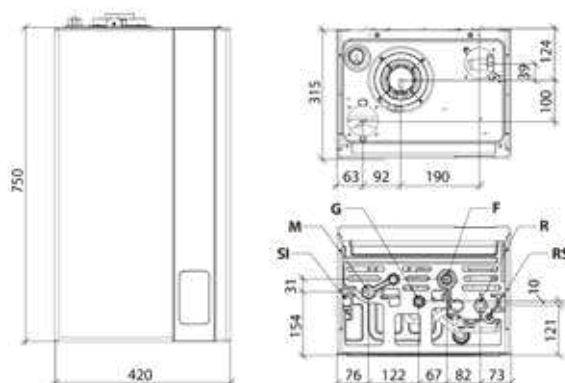
Available in the following models:



Model	Gas type	Code	Heat input		W x H x D mm	Gross weight kg
			Nominal (Qn) kW	Nominal DHW kW		
KR 12	NATURAL GAS	CVOXX2KR12	12,0	18,0 (*)	420x750x315	34,0
	PROPANE	CVOXX6KR12				
KR 24	NATURAL GAS	CVOXX2KR24	23,7	27,3 (*)	420x750x315	36,0
	PROPANE	CVOXX6KR24				
KR 28	NATURAL GAS	CVOXX2KR28	26,4	30,4 (*)	420x750x315	37,5
	PROPANE	CVOXX6KR28				
KR 32	NATURAL GAS	CVOXX2KR32	30,4	34,5 (*)	420x750x315	39,0
	PROPANE	CVOXX6KR32				

(*) with optional hot water storage tank.

DIMENSIONS AND CONNECTION CENTRE DISTANCES



SI Trap inspection cap
M CH system flow (3/4")
G Gas inlet (1/2")

F Cold water inlet (1/2")
R CH system return (3/4")
RS Discharge tap

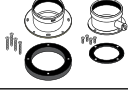




Technical data	um	KR 12	KR 24	KR 28	KR 32
Nominal heat input (Q _n)	kW	12,0	23,7	26,4	30,4
Nominal heat output (80-60°C) (P _n)	kW	11,7	23,0	25,5	29,4
Heat output (50-30°C)	kW	12,6	25,0	28,0	32,3
Reduced heat input (Q _r)	kW	2,0	3,0	3,3	4,2
Useful efficiency at nominal input (80-60°C)	%	97,1	96,8	96,7	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 41 - Maximum length of flue gas venting, see page 120

Item	Description	Code	Item	Description	Code
	Coaxial kit Ø 60/100 length 75cm	0CONDASP00		External probe (60x45x31 mm)	0SONDAES01
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04		hot water storage tank temperature probe 3m	0KITSOND00
	Coaxial fitting kit Ø60/100	0KITATCO00		Magnetic dirt separator filter	0AFILDEF00
	Splitter kit Ø80+80	0KITSDOP08		Tap kit with filter KR-KB-RT	0KITRUBI04
	Electrical kit for zone management with external probe	0KITZONE05		Electric kit for complex solar plant management	0KITSOLC08

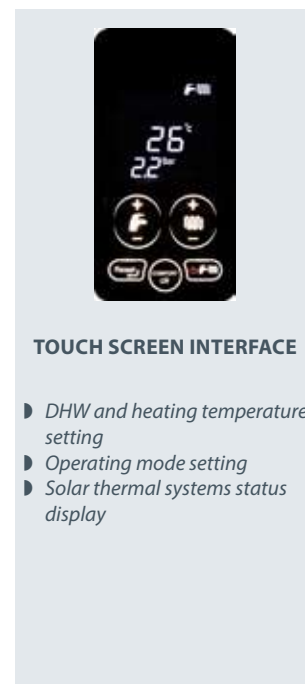
For other accessories, see from page 119

VIRGO KRB

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



- ▶ **Modulation ratio: 1:9**
- ▶ **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**
- ▶ **Thermoregulation with external probe (optional)**
- ▶ **Integrated 3-way deviating valve**
- ▶ **Heating expansion vessel - 10 litres**
- ▶ Thermosetting polymer-covered stainless steel heat exchanger
- ▶ CH water flow rate electronic control
- ▶ Freeze protection function for heating and hot water storage tank
- ▶ 3-speed circulation pump with built-in air purging device
- ▶ Automatic by-pass



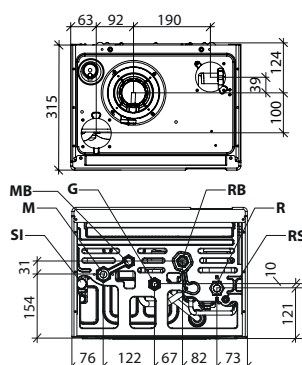
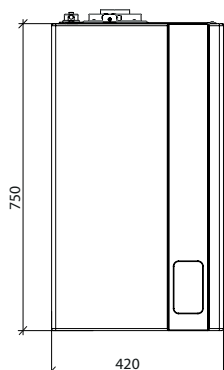
Available in the following models:



Model	Gas type	Code	Heat input		W x H x D mm	Gross weight kg
			Nominal (Q _n) kW	Nominal DHW kW		
KRB 12	NATURAL GAS	CVOXX2KU12	12,0	18,0 (*)	420x750x315	35,5
	PROPANE	CVOXX6KU12				
KRB 24	NATURAL GAS	CVOXX2KU24	23,7	27,3 (*)	420x750x315	37,0
	PROPANE	CVOXX6KU24				
KRB 28	NATURAL GAS	CVOXX2KU28	26,4	30,4 (*)	420x750x315	38,0
	PROPANE	CVOXX6KU28				
KRB 32	NATURAL GAS	CVOXX2KU32	30,4	34,5 (*)	420x750x315	39,0
	PROPANE	CVOXX6KU32				

(*) with optional hot water storage tank.

DIMENSIONS AND CONNECTION CENTRE DISTANCES



- SI** Trap inspection cap
M CH system flow (3/4")
MB Secondary flow to hot water storage tank (1/2")
G Gas inlet (1/2")

- RB** Secondary return from hot water storage tank (1/2")
R CH system return (3/4")
RS Discharge tap



Technical data	um	KRB 12	KRB 24	KRB 28	KRB 32
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 42 - Maximum length of flue gas venting, see page 120

Item	Description	Code
	Coaxial kit Ø 60/100 length 75cm	0CONDASP00
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04
	Splitter kit Ø80+80	0KITSOP08
	Coaxial fitting kit Ø60/100	0KITATCO00
	External probe (60x45x31 mm)	0SONDAES01
	Electrical kit for zone management with external probe	0KITZONE05
	Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05

Item	Description	Code
	Magnetic dirt separator filter	0AFILDEF00
	Temperature probe for solar plants	PSPTMILL00

For other accessories, see from page 119

Accessories supplied as standard

Item	Description
	hot water storage tank temperature probe 3m