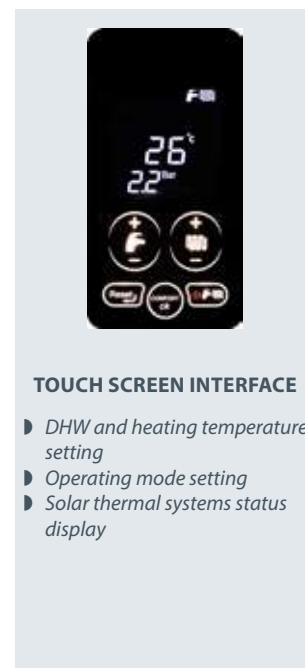


VIRGO CTFS

WALL-HUNG GAS BOILER WITH SEALED CHAMBER AND FORCED DRAUGHT WITH INSTANT DHW PRODUCTION



- ▶ Controls to manage two different types of solar thermal systems fitted as standard
- ▶ Thermoregulation with external probe (optional)
- ▶ Stainless steel 26-plate DHW heat exchanger
- ▶ Multifunction relay for connection to systems with zone valves or to solar plant or to remote alarm signal
- ▶ Mono-thermal primary heat exchanger
- ▶ Programmable parameters to adapt the boiler to the installation and alerts history
- ▶ Heating expansion vessel - 7 litres
- ▶ Automatic by-pass
- ▶ 3-speed circulation pump with built-in air purging device



TOUCH SCREEN INTERFACE

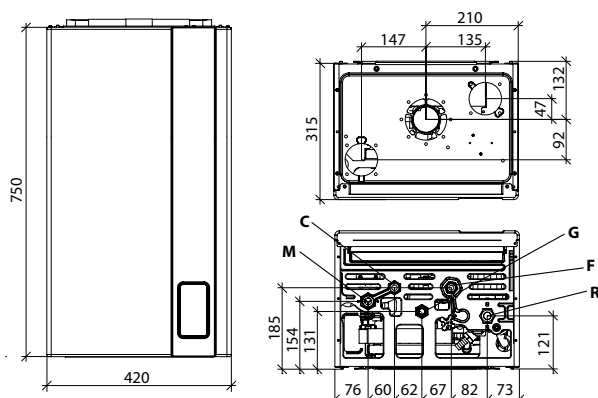
- ▶ DHW and heating temperature setting
- ▶ Operating mode setting
- ▶ Solar thermal systems status display

Available in the following models:



Model	Gas	Code	Heat input		W x H x D mm	Gross weight kg
			Nominal (Qn) kW	Nominal DHW kW		
CTFS 24	NATURAL GAS	CVNXX2CA24	25,5	25,5	420x750x315	37,50
	LPG	CVNXX3CA24				
CTFS 28	NATURAL GAS	CVNXX2CA28	30,5	30,5	420x750x315	38,00
	LPG	CVNXX3CA28				
CTFS 32	NATURAL GAS	CVNXX2CA32	33,0	33,0	420x750x315	38,50
	LPG	CVNXX3CA32				

DIMENSIONS AND CONNECTION CENTRE DISTANCES



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

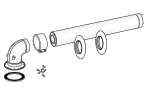
- F** Cold water inlet (1/2")
- R** CH system return (3/4")

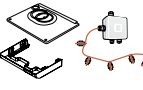




Technical data	um	CTFS 24	CTFS 28	CTFS 32
Nominal heat input (Qn)	kW	25,5	30,5	33,0
Nominal heat output (80-60°C) (Pn)	kW	23,7	28,6	30,8
Reduced heat input (Qr)	kW	12,5	13,5	16,0
Useful efficiency at nominal input (80-60°C)	%	93,0	93,7	93,4
Useful efficiency at 30% (47°C return)	%	90,2	90,6	91,0
Heating expansion vessel capacity	l	7	7	7
DHW nominal heat input	kW	25,5	30,5	33,0
Specific DHW flow ΔT=30K	l/min	11,6	14,2	15,1
NOx emission class	-	3	3	3
Electric protection rating	IP	X5D	X5D	X5D

For other technical specifications, see from page 101 - Maximum length of flue gas venting, see page 120

Item	Description	Code
	Pipes and taps low plastic cover	0COPETUB03
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04
	Coaxial kit D60/100 L=1m (for boiler TFS)	0KITCONC00
	Flow - return cold water 90° taps kit	0KITIDBA11
	Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05
	Electrical kit for zone management with external probe	0KITZONE05
	Temperature probe for solar plants	PSPTMILL00

Item	Description	Code
	Coaxial flue kit	0SDOPPIA13
	Kit for connection to solar plant	0KITSOLC07
	Electric kit for complex solar plant management	0KITSOLC08
	Cover and anti-freeze protection kit	0KITCOPE03
	External protection kit for standard boilers	0KITCOPE04
	Coaxial air intake/flue gas venting connection for B22 type installations	0ATTCOVE04

For other accessories, see from page 119

VIRGO CTN

WALL-HUNG GAS BOILER WITH OPEN CHAMBER AND NATURAL DRAUGHT WITH INSTANT DHW PRODUCTION



Available in the following models:



- ▶ Controls to manage two different types of solar thermal systems fitted as standard
- ▶ Thermoregulation with external probe (optional)
- ▶ Stainless steel 26-plate DHW heat exchanger
- ▶ Multifunction relay for connection to systems with zone valves or to solar plant or to remote alarm signal
- ▶ Mono-thermal primary heat exchanger
- ▶ Programmable parameters to adapt the boiler to the installation and alerts history
- ▶ Heating expansion vessel - 7 litres
- ▶ Automatic by-pass
- ▶ 3-speed circulation pump with built-in air purging device
- ▶ Installation flexibility thanks to IPX5D electrical protection degree

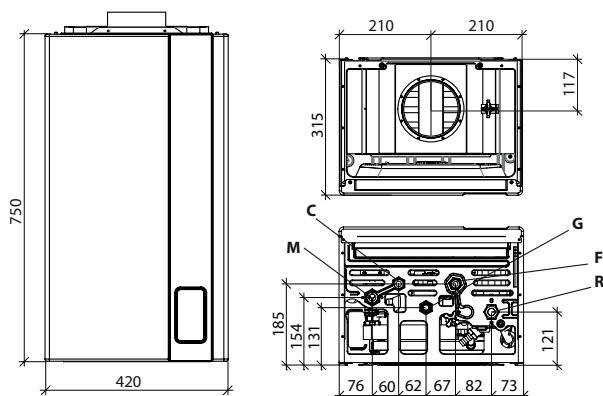


TOUCH SCREEN INTERFACE

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

Model	Gas	Code	Heat input		W x H x D	Gross weight
			Nominal (Qn) kW	Nominal DHW kW	mm	kg
CTN 24	NATURAL GAS	CVNXX2CC24	25,5	25,5	420x750x315	36,00
	LPG	CVNXX3CC24				
CTN 28	NATURAL GAS	CVNXX2CC28	30,5	30,5	420x750x315	36,50
	LPG	CVNXX3CC28				

DIMENSIONS AND CONNECTION CENTRE DISTANCES



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 data	um	CTN 24	CTN 28
Nominal heat input (Qn)	kW	25,5	30,5
Nominal heat output (80-60°C) (Pn)	kW	23,1	27,4
Reduced heat input (Qr)	kW	10,0	12,5
Useful efficiency at nominal input (80-60°C)	%	90,6	90,0
Useful efficiency at 30% (47°C return)	%	89,4	87,8
Heating expansion vessel capacity	l	7	7
DHW nominal heat input	kW	25,5	30,5
Specific DHW flow $\Delta T=30K$	l/min	11,2	13,5
NOx emission class	-	2	2
Electric protection rating	IP	X5D	X5D

For other technical specifications, see from page 102 - Maximum length of flue gas venting, see page 120

Item	Description	Code
	Pipes and taps low plastic cover	0COPETUB03
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04
	Flow - return cold water 90° taps kit	0KITIDBA11
	Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05

Item	Description	Code
	Electric kit for complex solar plant management	0KITSOLC08
	Electrical kit for zone management with external probe	0KITZONE05
	Temperature probe for solar plants	PSPTMILL00

For other accessories, see from page 119

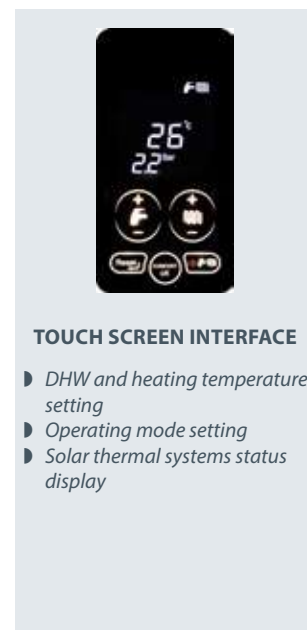
VIRGO RBTFS

WALL-HUNG GAS BOILER WITH SEALED CHAMBER AND FORCED DRAUGHT, CH ONLY, WITH INTEGRATED 3-WAY VALVE

CONNECTION TO AN EXTERNAL HOT WATER STORAGE TANK (OPTIONAL)



- Controls to manage two different types of solar thermal systems fitted as standard
- Thermoregulation with external probe (optional)
- Multifunction relay for connection to systems with zone valves or to solar plant or to remote alarm signal
- Integrated 3-way deviating valve
 -) Mono-thermal primary heat exchanger
 -) Programmable parameters to adapt the boiler to the installation and alerts history
 -) Heating expansion vessel - 7 litres
 -) Automatic by-pass
 -) 3-speed circulation pump with built-in air purging device

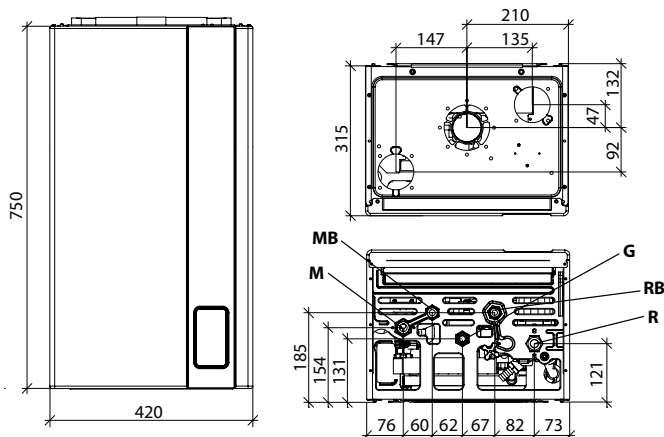


Available in the following models:



Model	Gas	Code	Heat input	W x H x D	Gross weight
			Nominal (Qn) kW	mm	kg
RBTFS 24	NATURAL GAS	CVNXX2RF24	25,5	420x750x315	35,50
	LPG	CVNXX3RF24			
RBTFS 28	NATURAL GAS	CVNXX2RF28	30,5	420x750x315	36,50
	LPG	CVNXX3RF28			
RBTFS 32	NATURAL GAS	CVNXX2RF32	33,0	420x750x315	37,00
	LPG	CVNXX3RF32			

DIMENSIONS AND CONNECTION CENTRE DISTANCES



M CH system flow (3/4")
MB Water heater secondary flow (1/2")
G Gas inlet (1/2")

RB Water heater secondary return (1/2")
R CH system return (3/4")



Technical data	um	RBTF 24	RBTF 28	RBTF 32
Nominal heat input (Qn)	kW	25,5	30,5	33,0
Nominal heat output (80-60°C) (Pn)	kW	23,7	28,6	30,8
Reduced heat input (Qr)	kW	12,5	13,5	16,0
Useful efficiency at nominal input (80-60°C)	%	93,0	93,7	93,4
Useful efficiency at 30% (47°C return)	%	90,2	90,6	91,0
Heating expansion vessel capacity	l	7	7	7
NOx emission class	-	3	3	3
Electric protection rating	IP	X5D	X5D	X5D

For other technical specifications, see from page 103 - Maximum length of flue gas venting, see page 120

Item	Description	Code
	Pipes and taps low plastic cover	0COPETUB03
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04
	Coaxial kit D60/100 L=1m (for boiler TFS)	0KITCONC00
	Coaxial flue kit	0SDOPPIA13
	Flow - return cold water 90° taps kit	0KITIDBA11
	Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05
	Electric kit for complex solar plant management	0KITSOLC08
	Electric kit for complex solar plant management	0KITSOLC08
	Electrical kit for zone management with external probe	0KITZONE05

Item	Description	Code
	Temperature probe for solar plants	PSPTMILL00
	Cover and anti-freeze protection kit	0KITCOPE03
	External protection kit for standard boilers	0KITCOPE04
	Coaxial air intake/flue gas venting connection for B22 type installations	0ATTCOVE04

For other accessories, see from page 119

Accessories supplied as standard

Item	Description
	hot water storage tank temperature probe 3m

VIRGO RBTN

WALL-HUNG GAS BOILER WITH OPEN CHAMBER AND NATURAL DRAUGHT, CH ONLY, WITH INTEGRATED 3-WAY VALVE CONNECTION

CONNECTION TO AN EXTERNAL HOT WATER STORAGE TANK (OPTIONAL)



Available in the following models:



- Controls to manage two different types of solar thermal systems fitted as standard
- Thermoregulation with external probe (optional)
- Multifunction relay for connection to systems with zone valves or to solar plant or to remote alarm signal
- Integrated 3-way deviating valve
 -) Mono-thermal primary heat exchanger
 -) Programmable parameters to adapt the boiler to the installation and alerts history
 -) Heating expansion vessel - 7 litres
 -) Automatic by-pass
 -) 3-speed circulation pump with built-in air purging device

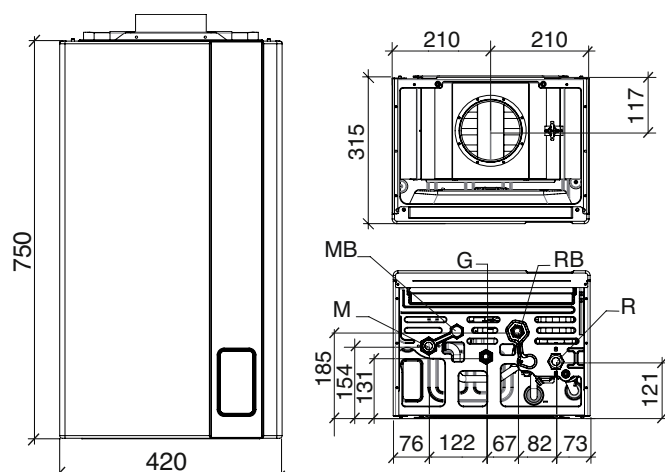


TOUCH SCREEN INTERFACE

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

Model	Gas	Code	Heat input	W x H x D	Gross weight
			Nominal (Qn) kW	mm	kg
RBTN 24	NATURAL GAS	CVNXX2RH24	25,5	420x750x315	34,50
	LPG	CVNXX3RH24			
RBTN 28	NATURAL GAS	CVNXX2RH28	30,5	420x750x315	35,00
	LPG	CVNXX3RH28			

DIMENSIONS AND CONNECTION CENTRE DISTANCES



M CH system flow (3/4")
MB Water heater secondary flow (1/2")
G Gas inlet (1/2")

RB Water heater secondary return (1/2")
R CH system return (3/4")



Technical data	um	RBTN 24	RBTN 28
Nominal heat input (Qn)	kW	25,5	30,5
Nominal heat output (80-60°C) (Pn)	kW	23,1	27,4
Reduced heat input (Qr)	kW	10,0	12,5
Useful efficiency at nominal input (80-60°C)	%	90,6	90,0
Useful efficiency at 30% (47°C return)	%	89,4	87,8
Heating expansion vessel capacity	l	7	7
NOx emission class	-	2	2
Electric protection rating	IP	X5D	X5D

For other technical specifications, see from page 104 - Maximum length of flue gas venting, see page 120

Item	Description	Code
	Pipes and taps low plastic cover	0COPETUB03
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04
	Flow - return cold water 90° taps kit	0KITIDBA11
	Tap kit with filter KR-KB-RT	0KITRUBI04
	Electric kit for complex solar plant management	0KITSOLC08

Item	Description	Code
	Electrical kit for zone management with external probe	0KITZONE05
	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

VIRGO RTFS

WALL-HUNG GAS BOILER WITH SEALED CHAMBER AND FORCED DRAUGHT, CH ONLY
CONNECTION TO AN EXTERNAL HOT WATER STORAGE TANK (OPTIONAL) WITH EXTERNAL 3-WAY VALVE (OPTIONAL)



Available in the following models:



- Controls to manage two different types of solar thermal systems fitted as standard
- Thermoregulation with external probe (optional)
- Multifunction relay for connection to systems with zone valves or to solar plant or to remote alarm signal
- 3-speed circulation pump with built-in air purging device
- Mono-thermal primary heat exchanger
- Programmable parameters to adapt the boiler to the installation and alerts history
- Heating expansion vessel - 7 litres
- Automatic by-pass
- Compatible with SPOT smart thermostat

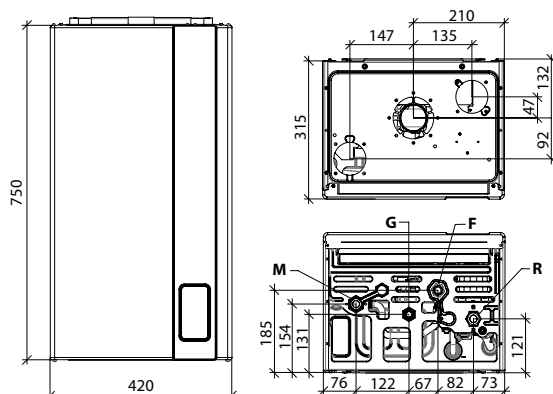


TOUCH SCREEN INTERFACE

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

Model	Gas	Code	Heat input	W x H x D mm	Gross weight kg
			Nominal (Qn) kW		
RTFS 24	NATURAL GAS	CVNXX2RA24	25,5	420x750x315	35,50
	LPG	CVNXX3RA24			
RTFS 28	NATURAL GAS	CVNXX2RA28	30,5	420x750x315	36,50
	LPG	CVNXX3RA28			
RTFS 32	NATURAL GAS	CVNXX2RA32	33,0	420x750x315	37,00
	LPG	CVNXX3RA32			

DIMENSIONS AND CONNECTION CENTRE DISTANCES



M CH system flow (3/4")
G Gas inlet (1/2")

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



Technical data	um	RTFS 24	RTFS 28	RTFS 32
Nominal heat input (Qn)	kW	25,5	30,5	33,0
Nominal heat output (80-60°C) (Pn)	kW	23,7	28,6	30,8
Reduced heat input (Qr)	kW	12,5	13,5	16,0
Useful efficiency at nominal input (80-60°C)	%	93,0	93,7	93,4
Useful efficiency at 30% (47°C return)	%	90,2	90,6	91,0
Heating expansion vessel capacity	l	7	7	7
NOx emission class	-	3	3	3
Electric protection rating	IP	X5D	X5D	X5D

For other technical specifications, see from page 105 - Maximum length of flue gas venting, see page 120

Item	Description	Code
	Pipes and taps low plastic cover	0COPETUB03
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04
	Coaxial kit D60/100 L=1m (for boiler TFS)	0KITCONC00
	Coaxial flue kit	0SDOPPIA13
	Tap kit with filter KR-KB-RT	0KITRUBI04
	Electric kit for complex solar plant management	0KITSOLC08
	Electrical kit for zone management with external probe	0KITZONE05

Item	Description	Code
	Temperature probe for solar plants	PSPTMILL00
	hot water storage tank temperature probe 3m	0KITSOND00
	Cover and anti-freeze protection kit	0KITCOPE03
	External protection kit for standard boilers	0KITCOPE04
	Coaxial air intake/flue gas venting connection for B22 type installations	0ATTCOVE04

For other accessories, see from page 119

VIRGO RTN

WALL-HUNG GAS BOILER WITH OPEN CHAMBER AND NATURAL DRAUGHT, CH ONLY.
 CONNECTION TO AN EXTERNAL HOT WATER STORAGE TANK (OPTIONAL) WITH EXTERNAL 3-WAY VALVE (OPTIONAL)



- ▶ Controls to manage two different types of solar thermal systems fitted as standard
- ▶ Thermoregulation with external probe (optional)
- ▶ Multifunction relay for connection to systems with zone valves or to solar plant or to remote alarm signal
- ▶ 3-speed circulation pump with built-in air purging device
- ▶ Mono-thermal primary heat exchanger
- ▶ Programmable parameters to adapt the boiler to the installation and alerts history
- ▶ Heating expansion vessel - 7 litres
- ▶ Automatic by-pass

TOUCH SCREEN INTERFACE

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

Available in the following models:

- 24
- 28

Model	Gas	Code	Heat input	W x H x D	Gross weight
			Nominal (Qn) kW	mm	kg
RTN 24	NATURAL GAS	CVNXX2RC24	25,5	420x750x315	34,50
	LPG	CVNXX3RC24			
RTN 28	NATURAL GAS	CVNXX2RC28	30,5	420x750x315	35,00
	LPG	CVNXX3RC28			

DIMENSIONS AND CONNECTION CENTRE DISTANCES

M CH system flow (3/4")

G Gas inlet (1/2")

F Cold water inlet (1/2")

R CH system return (3/4")



Technical data	um	RTN 24	RTN 28
Nominal heat input (Qn)	kW	25,5	30,5
Nominal heat output (80-60°C) (Pn)	kW	23,1	27,4
Reduced heat input (Qr)	kW	10,0	12,5
Useful efficiency at nominal input (80-60°C)	%	90,6	90,0
Useful efficiency at 30% (47°C return)	%	89,4	87,8
Heating expansion vessel capacity	l	7	7
NOx emission class	-	2	2
Electric protection rating	IP	X5D	X5D

For other technical specifications, see from page 106 - Maximum length of flue gas venting, see page 120

Item	Description	Code
	Pipes and taps low plastic cover	0COPETUB03
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04
	Tap kit with filter KR-KB-RT	0KITRUBI04
	Tap kit with filter KR-KB-RT	0KITRUBI04
	Electric kit for complex solar plant management	0KITSOLC08

Item	Description	Code
	Electrical kit for zone management with external probe	0KITZONE05
	Temperature probe for solar plants	PSPTMILL00
	hot water storage tank temperature probe 3m	0KITSOND00

For other accessories, see from page 119