

ORION CTFS

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



- ▶ **Sanitary comfort function: ★★★**
- ▶ **Double filling system: automatic and manual**
- ▶ **Multifunction relay for connection to systems with zone valves or to solar plant or to remote alarm signal**
- ▶ **Management of one heating zone with ambient temperature probe and two zones with zone kit**
- ▶ **Controls to manage two different types of solar thermal systems fitted as standard**
 -) 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

Available in the following models:

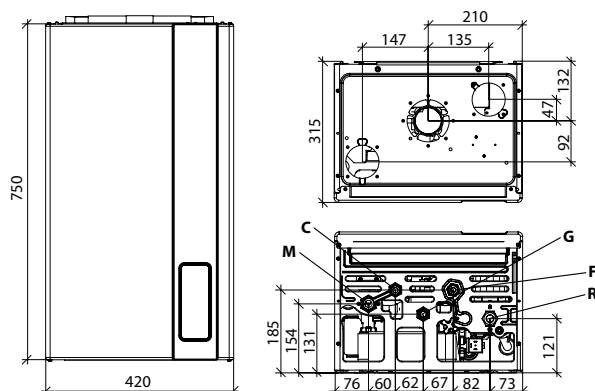


TOUCH SCREEN INTERFACE

- ▶ Day/night temperature level selection
- ▶ Weekly programming
- ▶ Timer and ambient temperature setting
- ▶ DHW "comfort" function enabling

Model	Gas	Code	Heat input		W x H x D	Gross weight
			Nominal (Qn) kW	Nominal DHW kW	mm	kg
CTFS 24	NATURAL GAS	COBXX2CA24	25,5	25,5	420x750x315	38,50
	LPG	COBXX3CA24				
CTFS 28	NATURAL GAS	COBXX2CA28	30,5	30,5	420x750x315	39,00
	LPG	COBXX3CA28				
CTFS 32	NATURAL GAS	COBXX2CA32	33,0	33,0	420x750x315	39,50
	LPG	COBXX3CA32				

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 (Q _n)	kW	25,5	30,5	33,0
Nominal heat output (80-60°C) (P _n)	kW	23,7	28,6	30,8
Reduced heat input (Q _r)	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 98 - 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
	Kit for connection to solar plant	0KITSOLC07
	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
	Coaxial air intake/flue gas venting connection for B22 type installations	0ATTCOVE04
	Coaxial flue kit	0SDOPPIA13
	Cover and anti-freeze protection kit	0KITCOPE03
	External protection kit for standard boilers	0KITCOPE04

For other accessories, see from page 119

ORION 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)



- ▶ **Integrated 3-way deviating valve**
- ▶ **Management of one heating zone with ambient temperature probe and two zones with zone kit**
- ▶ **Standard management of one type of solar thermal system**
- ▶ **External hot water storage tank heating setting (optional)**
- ▶ **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

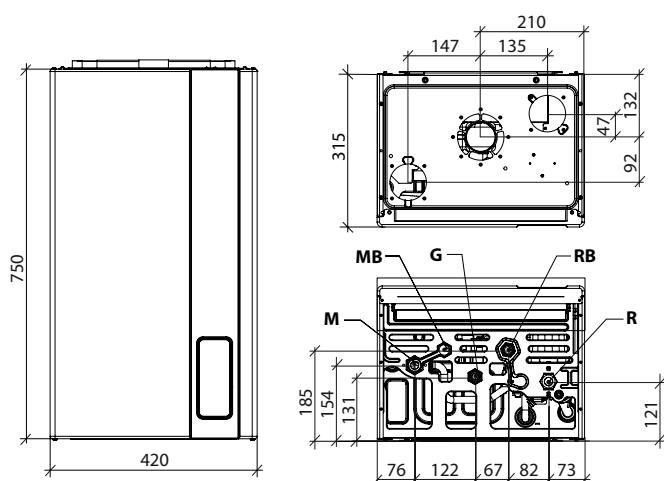
- ▶ Day/night temperature level selection
- ▶ Weekly programming
- ▶ Timer and ambient temperature setting
- ▶ Heater DHW "comfort" function enabling

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	COBXX2RF24	25,5	420x750x315	35,50
	LPG	COBXX3RF24			
RBTFS 28	NATURAL GAS	COBXX2RF28	30,5	420x750x315	36,50
	LPG	COBXX3RF28			
RBTFS 32	NATURAL GAS	COBXX2RF32	33,0	420x750x315	37,00
	LPG	COBXX3RF32			

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")





COMFORT



MADE IN ITALY



Technical data	um	RBTF5 24	RBTF5 28	RBTF5 32
Nominal heat input (Q _n)	kW	25,5	30,5	33,0
Nominal heat output (80-60°C) (P _n)	kW	23,7	28,6	30,8
Reduced heat input (Q _r)	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
NO _x emission class	-	3	3	3
Electric protection rating	IP	X5D	X5D	X5D

For other technical specifications, see from page 99 - Maximum length of flue gas venting, see page 120

Item	Description	Code	Item	Description	Code
	Pipes and taps low plastic cover	0COPETUB03		Temperature probe for solar plants	PSPTMILL00
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04		Cover and anti-freeze protection kit	0KITCOPE03
	Coaxial kit D60/100 L=1m (for boiler TFS)	0KITCONC00		External protection kit for standard boilers	0KITCOPE04
	Flow - return cold water 90° taps kit	0KITIDBA11		Coaxial air intake/flue gas venting connection for B22 type installations	0ATTCOVE04
	Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05		Coaxial flue kit	0SDOPPIA13
	Electric kit for complex solar plant management	0KITSOLC08	For other accessories, see from page 119		
	Electrical kit for zone management with external probe	0KITZONE05	Accessories supplied as standard		
	Electrical kit for zone management with external probe	0KITZONE05		hot water storage tank temperature probe 3m	

ORION 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:



- **Management of one heating zone with ambient temperature probe and two zones with zone kit**
- **Standard management of one type of solar thermal system**
- **External hot water storage tank heating setting (optional)**
- **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

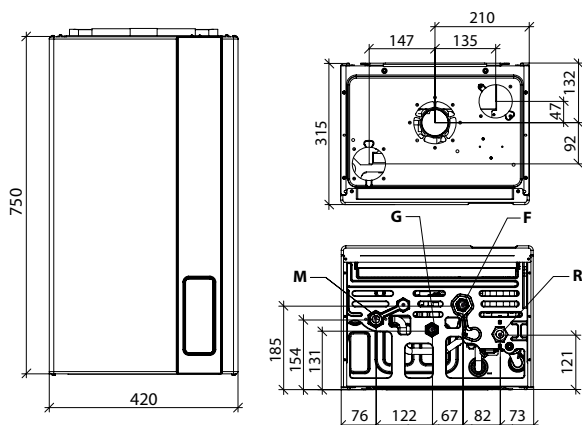


TOUCH SCREEN INTERFACE

- Day/night temperature level selection
- Weekly programming
- Timer and ambient temperature setting
- Heater DHW "comfort" function enabling

Model	Gas	Code	Heat input	W x H x D	Gross weight
			Nominal (Qn) kW	mm	kg
RTFS 24	NATURAL GAS	COBXX2RA24	25,5	420x750x315	35,50
	LPG	COBXX3RA24			
RTFS 28	NATURAL GAS	COBXX2RA28	30,5	420x750x315	36,50
	LPG	COBXX3RA28			
RTFS 32	NATURAL GAS	COBXX2RA32	33,0	420x750x315	37,00
	LPG	COBXX3RA32			

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")





COMFORT

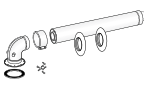


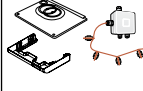
MADE IN ITALY



Technical data	um	RTFS 24	RTFS 28	RTFS 32
Nominal heat input (Q _n)	kW	25,5	30,5	33,0
Nominal heat output (80-60°C) (P _n)	kW	23,7	28,6	30,8
Reduced heat input (Q _r)	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
NO _x emission class	-	3	3	3
Electric protection rating	IP	X5D	X5D	X5D

For other technical specifications, see from page 100 - 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
	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
	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
	Coaxial flue kit	0SDOPPIA13

For other accessories, see from page 119