

DELFI CTN

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



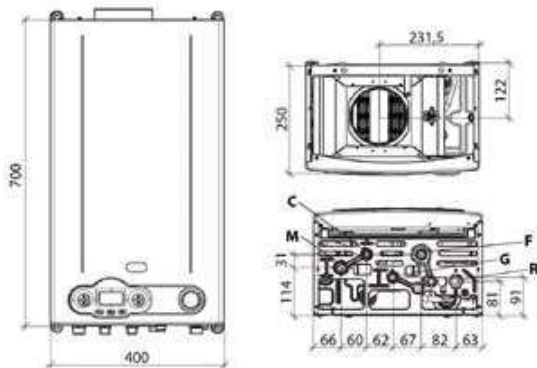
- ▶ **Compact dimension, only 250 mm deep**
- ▶ **LCD user interface with diagnostics**
- ▶ **Thermoregulation with external probe (optional)**
- ▶ **Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal**
-) Heating expansion vessel - 7 litres
-) Stainless steel plate DHW heat exchanger
-) Hydraulic unit in composite material
-) Programmable parameters to adapt the boiler to the installation and alerts history
-) Prearrangement for connection to Remote Control (optional, supplied by the manufacturer)
-) Mono-thermal primary heat exchanger
-) Automatic by-pass

Available in the following models:

24

Model	Gas type	Code	Heat input		L x H x D mm	Gross weight kg
			Nominal (Qn) kW	Nominal DHW kW		
CTN 24	NATURAL GAS	CDHXX2CC24	24,5	24,5	400x700x250	25,00
	LPG	CDHXX3CC24				

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 specifications	um	CTN 24
Nominal heat input (Qn)	kW	24,5
Nominal heat output (80-60°C) (Pn)	kW	22,07
Reduced heat input (Qr)	kW	12,0
Useful efficiency at nominal input (80-60°C)	%	90,1
Useful efficiency at 30% (30°C return)	%	88,45
Heating expansion vessel capacity	l	7
DHW nominal heat input	kW	24,5
Specific DHW flow $\Delta T=30K$	l/min	10,6
NOx emission class	-	2
Electric protection rating	IP	X4D

Item	Description	Code	Item	Description	Code
	Compact wall pipe cover	OCOPETUB00		Tap kit with filter KC-KRB-CT-RBT	OKITRUBI05
	Remote control, ErP V class (118x85x32 mm)	OCREMOTO04		Kit for connection to solar plant	OKITSOLC07
	Flow - return cold water 90° taps kit	OKITIDBA11		Electric kit for complex solar plant management	OKITSOLC08
	Basic hydraulic kit	OKITIDBA29		Electrical kit for zone management with external probe	OKITZONE05
	Plus hydr. kit for basic compact unit	OKITIDBA14		External probe (60x45x31 mm)	0SONDAES01

For other accessories, see from page 165



DELFI 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)



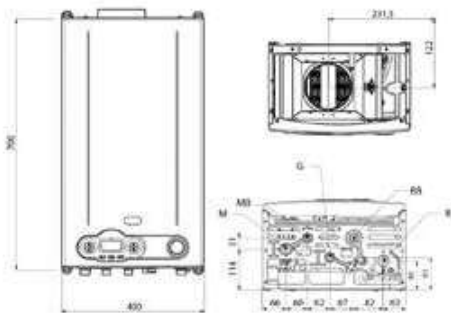
Available in the following models:

24

- ▶ **Compact dimension, only 250 mm deep**
- ▶ **LCD user interface with diagnostics**
- ▶ **Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal**
- ▶ **Thermoregulation with external probe (optional)**
- ▶ **Integrated 3-way deviating valve**
-) Mono-thermal primary heat exchanger
-) Heating expansion vessel - 7 litres
-) Hydraulic unit in composite material
-) Programmable parameters to adapt the boiler to the installation and alerts history
-) Pump unit including: air purging device, water pressure switch, safety valve calibrated at 3 bar, discharge tap and filler tap
-) Automatic by-pass
-) Exclusive compact version circulation pump with integrated air purging device

Model	Gas type	Code	Heat input	L x H x D	Gross weight
			Nominal (Qn) kW	mm	kg
RBTN 24	NATURAL GAS	CDHXX2RH24	24,5	400x700x250	25,00
	LPG	CDHXX3RH24			

DIMENSIONS AND CONNECTION CENTRE DISTANCES



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"





Technical specifications	um	RBTN 24
Nominal heat input (Qn)	kW	24,5
Nominal heat output (80-60°C) (Pn)	kW	22,07
Reduced heat input (Qr)	kW	12,0
Useful efficiency at nominal input (80-60°C)	%	90,1
Useful efficiency at 30% (30°C return)	%	88,45
Heating expansion vessel capacity	l	7
NOx emission class	-	2
Electric protection rating	IP	X4D

For other technical specifications, see from page 126 - Maximum length of flue gas venting, see page 166

Item	Description	Code
	Compact wall pipe cover	0COPETUB00
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04
	Flow - return cold water 90° taps kit	0KITIDBA11
	Basic hydraulic kit	0KITIDBA29
	Plus hydr. kit for basic compact unit	0KITIDBA14
	Tap kit with filter KR-KB-RT	0KITRUBI04

Item	Description	Code
	Electrical kit for zone management with external probe	0KITZONE05
	External probe (60x45x31 mm)	0SONDAES01
	Electric kit for complex solar plant management	0KITSOLC08

For other accessories, see from page 165

Accessories supplied as standard

Item	Description
	hot water storage tank temperature probe 3m



DELFI CTFS

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



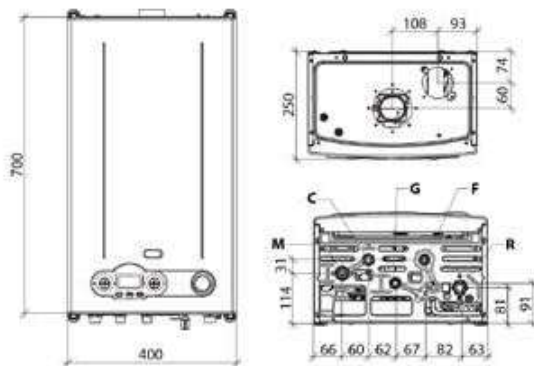
- ▶ **Compact dimension, only 250 mm deep**
- ▶ **LCD user interface with diagnostics**
- ▶ **Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal**
- ▶ **Thermoregulation with external probe (optional)**
 -) Heating expansion vessel - 7 litres
 -) Stainless steel plate DHW heat exchanger
 -) Hydraulic unit in composite material
 -) Programmable parameters to adapt the boiler to the installation and alerts history
 -) Exclusive compact version circulation pump with integrated air purging device
 -) Automatic by-pass

Available in the following models:

24

Model	Gas type	Code	Heat input	L x H x D	Gross weight
			Nominal (On) kW	mm	kg
CTFS 24	NATURAL GAS	CDHXX2CA24	25,5	400x700x250	28,00
	LPG	CDHXX3CA24			

DIMENSIONS AND CONNECTION CENTRE DISTANCES





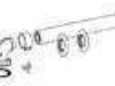









- M** CH system flow (3/4")
- C** DHW outlet (1 1/2")
- G** Gas inlet (1/2")
- F** Cold water inlet (1/2")
- R** CH system return (3/4")



Technical specifications	um	CTFS 24
Nominal heat input (Qn)	kW	25,5
Nominal heat output (80-60°C) (Pn)	kW	23,7
Reduced heat input (Qr)	kW	12,5
Useful efficiency at nominal input (80-60°C)	%	93,0
Useful efficiency at 30% (30°C return)	%	90,4
Heating expansion vessel capacity	l	7
DHW nominal heat input	kW	25,5
Specific DHW flow $\Delta T=30K$	l/min	11,1
NOx emission class	-	2
Electric protection rating	IP	X4D

For other technical specifications, see from page 127 - Maximum length of flue gas venting, see page 166

Item	Description	Code	Item	Description	Code
	Compact wall pipe cover	OCOPETUB00		Tap kit with filter KC-KRB-CT-RBT	OKITRUBI05
	Remote control, ErP V class (118x85x32 mm)	OCREMOTO04		Kit for connection to solar plant	OKITSOLC07
	Coaxial kit D60/100 L=1m (for boiler TFS)	OKITCONC00		Electrical kit for zone management with external probe	OKITZONE05
	Flow - return cold water 90° taps kit	OKITIDBA11		External probe (60x45x31 mm)	0SONDAES01
	Basic hydraulic kit	OKITIDBA29		Coaxial flue kit	0SDOPPIA13
	Plus hydr. kit for basic compact unit	OKITIDBA14		Electric kit for complex solar plant management	OKITSOLC08

For other accessories, see from page 165



DELFI 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)



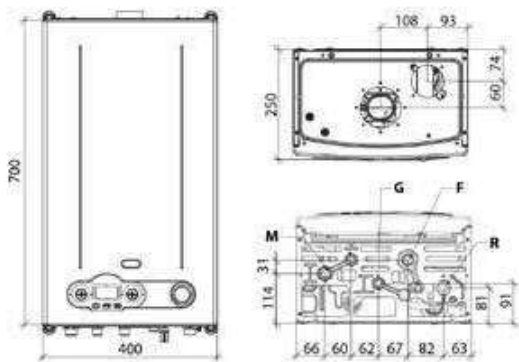
- ▶ **Compact dimension, only 250 mm deep**
- ▶ **LCD user interface with diagnostics**
- ▶ **Thermoregulation with external probe (optional)**
- ▶ **Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal**
-) Heating expansion vessel - 7 litres
-) Programmable parameters to adapt the boiler to the installation and alerts history
-) Hydraulic unit in composite material
-) Pump unit including: air purging device, water pressure switch, safety valve calibrated at 3 bar, discharge tap and filler tap
-) Automatic by-pass
-) Exclusive compact version circulation pump with integrated air purging device

Available in the following models:

24

Model	Gas type	Code	Heat input	L x H x D	Gross weight
			Nominal (Qn) kW	mm	kg
RTFS 24	NATURAL GAS	CDHXX2RA24	25,5	400x700x250	27,50
	LPG	CDHXX3RA24			

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 specifications	um	RTFS 24
Nominal heat input (Qn)	kW	25,5
Nominal heat output (80-60°C) (Pn)	kW	23,7
Reduced heat input (Qr)	kW	12,5
Useful efficiency at nominal input (80-60°C)	%	93,0
Useful efficiency at 30% (30°C return)	%	90,4
Heating expansion vessel capacity	l	7
NOx emission class	-	2
Electric protection rating	IP	X4D

For other technical specifications, see from page 128 - Maximum length of flue gas venting, see page 166

Item	Description	Code	Item	Description	Code
	Compact wall pipe cover	0COPETUB00		External probe (60x45x31 mm)	0SONDAES01
	Remote control, ErP V class (118x85x32 mm)	0CREMOTO04		Tap kit with filter KR-KB-RT	0KITRUBI04
	Coaxial kit D60/100 L=1m (for boiler TFS)	0KITCONC00		Coaxial flue kit	0SDOPPIA13
	Electrical kit for zone management with external probe	0KITZONE05		hot water storage tank temperature probe 3m	0KITSOND00

For other accessories, see from page 165



DELFI 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)



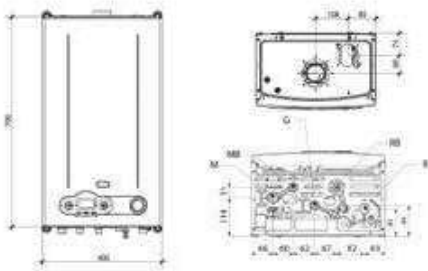
Available in the following models:

24

- ▶ **Compact dimension, only 250 mm deep**
- ▶ **LCD user interface with diagnostics**
- ▶ **Mono-thermal primary heat exchanger**
- ▶ **Thermoregulation with external probe (optional)**
- ▶ **Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal**
- ▶ **Integrated 3-way deviating valve**
 -) Heating expansion vessel - 7 litres
 -) Programmable parameters to adapt the boiler to the installation and alerts history
 -) Hydraulic unit in composite material
 -) Pump unit including: air purging device, water pressure switch, safety valve calibrated at 3 bar, discharge tap and filler tap
 -) Automatic by-pass
 -) Exclusive compact version circulation pump with integrated air purging device

Model	Gas type	Code	Heat input	L x H x D	Gross weight
			Nominal (Qn) kW	mm	kg
RBTFS 24	NATURAL GAS	CDHXX2RF24	25,5	400x700x250	27,50
	LPG	CDHXX3RF24			

DIMENSIONS AND CONNECTION CENTRE DISTANCES



- 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"



Technical specifications	um	RBTF5 24
Nominal heat input (Qn)	kW	25,5
Nominal heat output (80-60°C) (Pn)	kW	23,7
Reduced heat input (Qr)	kW	12,5
Useful efficiency at nominal input (80-60°C)	%	93,0
Useful efficiency at 30% (30°C return)	%	90,4
Heating expansion vessel capacity	l	7
NOx emission class	-	2
Electric protection rating	IP	X4D

For other technical specifications, see from page 129 - Maximum length of flue gas venting, see page 166

Item	Description	Code	Item	Description	Code				
	Compact wall pipe cover	OCOPETUB00		Tap kit with filter KC-KRB-CT-RBT	OKITRUBI05				
	Remote control, ErP V class (118x85x32 mm)	OCREMOTO04		Electric kit for complex solar plant management	OKITSOLC08				
	Coaxial kit D60/100 L=1m (for boiler TFS)	OKITCONC00		Coaxial flue kit	OSDOPPIA13				
	Flow - return cold water 90° taps kit	OKITIDBA11	<p>For other accessories, see from page 165</p> <p>Accessories supplied as standard</p> <table border="1"> <thead> <tr> <th>Item</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td></td> <td>hot water storage tank temperature probe 3m</td> </tr> </tbody> </table>			Item	Description		hot water storage tank temperature probe 3m
Item	Description								
	hot water storage tank temperature probe 3m								
	Electrical kit for zone management with external probe	OKITZONE05							
	External probe (60x45x31 mm)	OSONDAES01							



DELFI CTFS 40

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



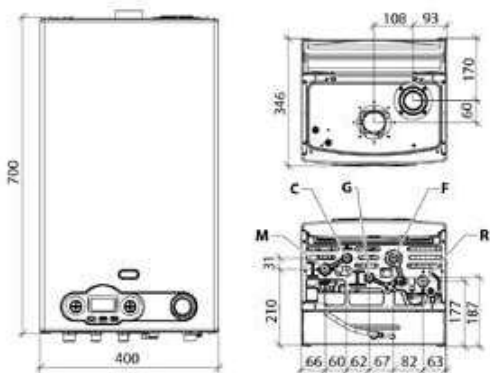
- ▶ **LCD user interface with diagnostics**
- ▶ **Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal**
- ▶ **Heating expansion vessel - 10 litres**
- ▶ **Thermoregulation with external probe (optional)**
- ▶ **High domestic hot water production (22.2 l/min ΔT 25°C)**
 -) Stainless steel, atmospheric burner that can run on several gases
 -) Hydraulic unit in composite material
 -) Programmable parameters to adapt the boiler to the installation and alerts history
 -) Flame modulation in CH and DHW modes
 -) Stainless steel plate DHW heat exchanger
 -) Automatic by-pass

Available in the following models:

40

Model	Gas type	Code	Heat input		L x H x D mm	Gross weight kg
			Nominal (Qn) kW	Nominal DHW kW		
CTFS 40	NATURAL GAS	CDHXX2CA40	41,0	41,0	400x700x346	33,00
	LPG	CDHXX3CA40				

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 specifications	um	CTFS 40
Nominal heat input (Qn)	kW	41,0
Nominal heat output (80-60°C) (Pn)	kW	38,0
Reduced heat input (Qr)	kW	15,0
Useful efficiency at nominal input (80-60°C)	%	92,7
Useful efficiency at 30% (30°C return)	%	89,4
Heating expansion vessel capacity	l	10
DHW nominal heat input	kW	41,0
Specific DHW flow $\Delta T=30K$	l/min	18,5
NOx emission class	-	3
Electric protection rating	IP	X4D

For other technical specifications, see from page 130 - Maximum length of flue gas venting, see page 166

Item	Description	Code
	Remote control, ErP V class (118x85x32 mm)	OCREMOTO04
	Coaxial kit D60/100 L=1m (for boiler TFS)	0KITCONC00
	Flow - return cold water 90° taps kit	0KITIDBA11
	External probe (60x45x31 mm)	0SONDAES01
	Electrical kit for zone management with external probe	0KITZONE05

Item	Description	Code
	Tap kit with filter KC-KRB-CT-RBT	0KITRUBI05
	Kit for connection to solar plant	0KITSOLC07
	Electric kit for complex solar plant management	0KITSOLC08
	Coaxial flue kit	0SDOPPIA13

For other accessories, see from page 165



DELFI RTFS 40

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)



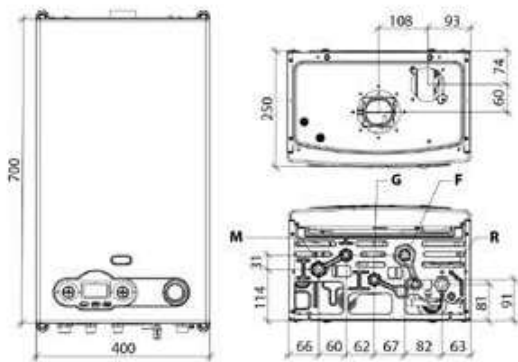
- ▶ **Compact dimension, only 250 mm deep**
- ▶ **LCD user interface with diagnostics**
- ▶ **Thermoregulation with external probe (optional)**
- ▶ **Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal**
-) Stainless steel, atmospheric burner that can run on several gases
-) Hydraulic unit in composite material
-) Additional relay to manage 2 heating zones
-) Programmable parameters to adapt the boiler to the installation and alerts history
-) Flame modulation in CH and DHW modes
-) Automatic by-pass

Available in the following models:



Model	Gas type	Code	Heat input	L x H x D	Gross weight
			Nominal (Qn) kW	mm	kg
RTFS 40	NATURAL GAS	CDHXX2RA40	41,0	400x700x250	24,40
	LPG	CDHXX3RA40			

DIMENSIONS AND CONNECTION CENTRE DISTANCES




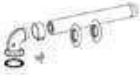


M CH system flow (3/4")
G Gas inlet (1/2")




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



Technical specifications	um	RTFS 40
Nominal heat input (Qn)	kW	41,0
Nominal heat output (80-60°C) (Pn)	kW	38,0
Reduced heat input (Qr)	kW	15,0
Useful efficiency at nominal input (80-60°C)	%	92,7
Useful efficiency at 30% (30°C return)	%	89,4
NOx emission class	-	3
Electric protection rating	IP	X4D

For other technical specifications, see from page 131 - Maximum length of flue gas venting, see page 166

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

Item	Description	Code
	External probe (60x45x31 mm)	0SONDAES01
	hot water storage tank temperature probe 3m	0KITSOND00
	Coaxial flue kit	0SDOPPIA13

For other accessories, see from page 165



DELFI RBTFS 40

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)



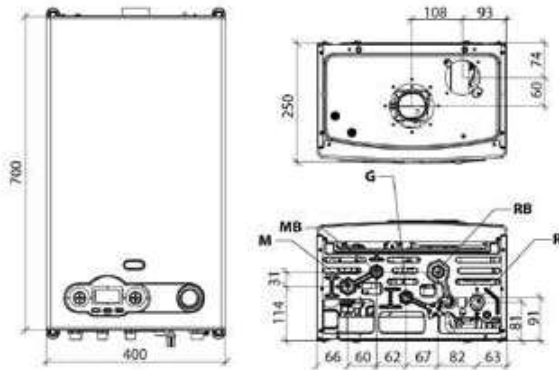
- ▶ **LCD user interface with diagnostics**
- ▶ **Multifunction relay for connection to systems with zone valves or to external pump management or to remote alarm signal**
- ▶ **Thermoregulation with external probe (optional)**
- ▶ **Programmable parameters to adapt the boiler to the installation and alerts history**
- ▶ **Integrated 3-way deviating valve**
 -) Stainless steel, atmospheric burner that can run on several gases
 -) Hydraulic unit in composite material
 -) Flame modulation in CH and DHW modes
 -) Automatic by-pass

Available in the following models:



Model	Gas type	Code	Heat input	L x H x D	Gross weight
			Nominal (Qn) kW	mm	kg
RBTFS 40	NATURAL GAS	CDHXX2RF40	41,0	400x700x250	24,50
	LPG	CDHXX3RF40			

DIMENSIONS AND CONNECTION CENTRE DISTANCES



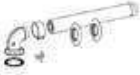



- M** CH system flow (3/4")
- MB** Secondary flow to hot water storage tank (1/2")
- G** Gas inlet (1/2")
- RB** Secondary return from hot water storage tank (1/2")
- R** CH system return (3/4")







Technical specifications	um	RBTF5 40
Nominal heat input (Qn)	kW	41,0
Nominal heat output (80-60°C) (Pn)	kW	38,0
Reduced heat input (Qr)	kW	15,0
Useful efficiency at nominal input (80-60°C)	%	92,7
Useful efficiency at 30% (30°C return)	%	89,4
NOx emission class	-	3
Electric protection rating	IP	X4D


For other technical specifications, see from page 132 - Maximum length of flue gas venting, see page 166

Item	Description	Code
	Remote control, ErP V class (118x85x32 mm)	OCREMOTO04
	Coaxial kit D60/100 L=1m (for boiler TFS)	OKITCONC00
	Flow - return cold water 90° taps kit	OKITIDBA11
	Tap kit with filter KC-KRB-CT-RBT	OKITRUBI05
	Electrical kit for zone management with external probe	OKITZONE05
	External probe (60x45x31 mm)	OSONDAES01

Item	Description	Code
	Coaxial flue kit	OSDOPPIA13
	Electric kit for complex solar plant management	OKITSOLC08

For other accessories, see from page 165

Accessories supplied as standard

Item	Description
	hot water storage tank temperature probe 3m

