

# ITACA KR

WALL-HUNG CONDENSING BOILER  
WITH PRE-MIXING BURNER, HEATING ONLY

EN



➤ Modulation ratio: 1:9

➤ User interface Touch screen

➤ Modulating pump

➤ Standard management of 2 heating zones with ambient temperature probes

➤ Time control of water storage cylinder regeneration

Available with the following outputs:

**32**  
kW

Methane or propane ready

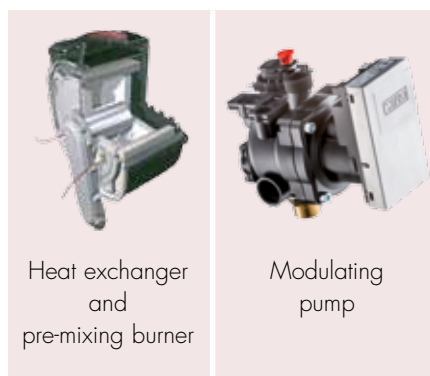
# ITACA KR



- Thermosetting polymer-covered stainless steel heat exchanger
- Fully pre-mixing burner
- Modulating gas valve with constant air/gas ratio
- Variable-speed combustion fan
- Modulating pump with built-in air purging device
- 10-litre expansion vessel
- Presetting for connection to GSM modem for switching on and off and remote display of faults (optional)
- Multifunctional relay for connection to systems with zone valves or to solar systems or to remote boiler shutdown alarms
- Flexible installation thanks to IPX5D electrical protection degree
- Efficiency rating according to 92/42/EEC: ★★★★★
- NOx emission Class (EN 297): 5

Ready for connection to:

- external probe
- Remote Control
- PCBs for low-temperature zones



Heat exchanger and pre-mixing burner

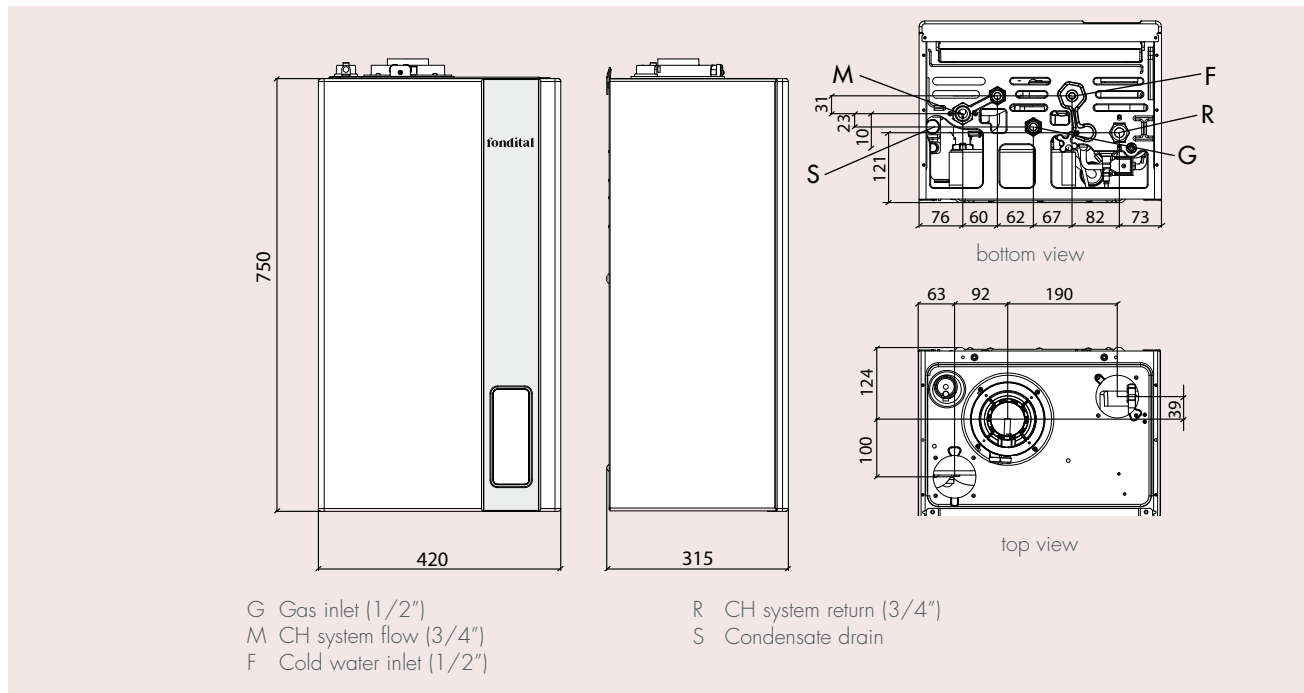
Modulating pump

Model	Gas type	Code	Heat output kW	Efficiency rating at Maximum output	Gross weight (kg)
ITACA KR 32	METHANE	CITxx2RU32	32.3	106.2 %	38.50
	PROPANE	CITxx6RU32			

INCLUDED IN THE PRICE: Gas-water cocks and bicones, standard hydraulic kit, paper template, air-intake blanking caps kit.



## DIMENSIONS AND CONNECTION CENTRE DISTANCES



## ACCESSORIES

Item	Description	Code
	Coaxial kit Ø 60/100 length 0.75 m	OCONDASPO0
	Coaxial kit Ø 60/100	OKITATCO00
	90° elbow kit with flange Ø 60/100	OKCURFLA00
	Split pipe kit Ø 80+80	OKITSDOPO0
	Remote control	OCREMOTO04
	External probe	OSONDAES01
	Electric kit for zone management with external probe	OKITZONE05
	Fixing template (metal)	ODIMMECO11
	Pipes and cocks cover	OCOPETUB03

Item	Description	Code
	Cock fitted with filter and check valve	OKITFILTO1
	GSM kit including antenna, power supply, interface board, modem	OKITMGSM00
	Electric kit for complex solar systems	OKITSOLC08
	Replacement kit - Baxi/Itaca	OKITSOST08
	Replacement kit - Beretta/Itaca	OKITSOST09
	Replacement kit - Immergas/ Itaca	OKITSOST10
	Replacement kit - Vaillant/Itaca	OKITSOST11
	Replacement kit - Ariston/Itaca	OKITSOST12
	Replacement kit - Tahiti/Itaca	OKITSOST13

TECHNICAL SPECIFICATIONS				KR 32
Nominal heat input		kW		30.4
Nominal heat output (80-60°C)		kW		29.4
Nominal heat output (50-30°C)		kW		32.3
Minimum heat output (80-60°C)		kW		3.9
Minimum heat output (50-30°C)		kW		4.4
Useful efficiency at nominal heat input (80-60°C)		%		96.8
Useful efficiency at minimum heat input (80-60°C)		%		92.9
Useful efficiency at nominal heat input (50-30°C)		%		106.2
Useful efficiency at minimum heat input (50-30°C)		%		104.8
Useful efficiency at 30%		%		108.3
Casing heat loss with burner on at nominal heat input		%		0.99
Casing heat loss with burner on at minimum heat input		%		5.06
Casing heat loss with burner off		%		0.22
Chimney heat loss with burner on at nominal heat input		%		2.61
Chimney heat loss with burner on at minimum heat input		%		2.04
Efficiency rating according to 92/42/EEC				★ ★ ★ ★
NO <sub>x</sub> class (EN 297/EN 483)				5
Maximum working pressure		bar		3.0
Maximum working temperature		°C		83
Temperature setting range		°C		20 - 78
Expansion vessel capacity		l		10
Consumption at nominal heat output (CH) (80-60°C)	Methane	m <sup>3</sup> /h		3.22
Consumption at minimum heat output (CH) (80-60°C)	Methane	m <sup>3</sup> /h		0.44
Consumption at nominal heat output (CH) (80-60°C)	Propane	kg/h		2.36
Consumption at minimum heat output (CH) (80-60°C)	Propane	kg/h		0.33
Air-flue ΔT at nominal heat input		°C		60.0
Air-flue ΔT at minimum heat input		°C		40.5
Flue gas flow at nominal heat input		g/s		15.81
Flue gas flow at min. heat input		g/s		1.87
CO <sub>2</sub> content at nominal heat input	Methane	%		9.0
CO <sub>2</sub> content at nominal heat input	Propane	%		10.0
Residual available head at nominal heat input		Pa		183
Residual available head at minimum heat input		Pa		3.5
Supply pressure	Methane	mbar		20
Supply pressure	Propane	mbar		37
Quantity of nozzles				2
Nozzle diameter	Methane	mm		4.45
Nozzle diameter	Propane	mm		3.55
Power supply voltage/frequency		V / Hz		230/50
Power mains supply fuse		A		3.15
Power absorption		W		121
Electric protection rating				IPX5D
Gas fitting				G 1/2
CH fittings				G 3/4
Water heater fittings				G 1/2
WxHxD		mm		420x750x315
Boiler net weight		kg		35.43
Boiler gross weight		kg		38.50