

BAXI



Luna

Gas wall hung boilers

BAXI**LUNA**

gas wa



Baxi developed the **LUNA** range, wall hung boilers which ensure effective solutions and high performances for all heating applications: a wide choice among its **7 different versions**, combining exclusive compact size with high output (**from 24 to 31 kW**), consumption saving and the highest reliability.












Result of Baxi great expertise and advanced technologies, **LUNA** boilers are available in fanned flue and open flue versions, for hot sanitary water production (**delivering up to 18 litres of hot water per minute**) and heating only.

LUNA is distinguished also by the easiness of use thanks to the self check through clear and simple indicators on boiler working and safety devices.


**31**
kW

all hung boilers

Range

Luna 310 Fi	31 kW, for central heating and DHW production, fanned flue	 
Luna 240 Fi	24 kW, for central heating and DHW production, fanned flue	 
Luna 280 i	28 kW, for central heating and DHW production, open flue	 
Luna 240 i	24 kW, for central heating and DHW production, open flue	 
Luna 1.310 Fi	31 kW, for central heating, fanned flue	
Luna 1.240 Fi	24 kW, for central heating, fanned flue	
Luna 1.240 i	24 kW, for central heating, open flue	

Technology, high reliability and simplicity are  distinctive features.

With a classic refined design and compact size,  fits neatly into any home.

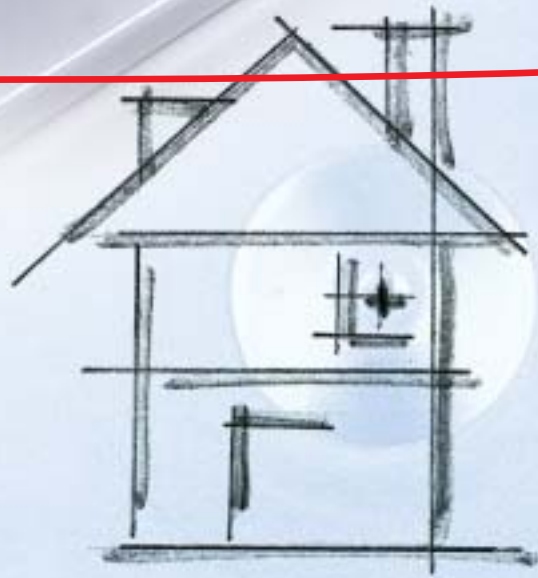
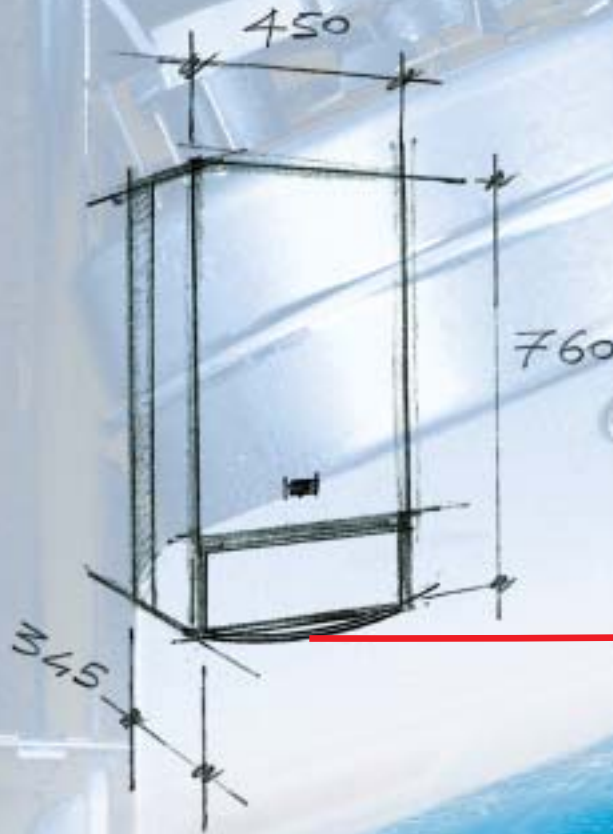


Easy access to all boiler's components.

31
kW

Still more versatile

LUNA



More **COMPACT**
More **POWERFUL**
Much **EASIER**

QUESTA ANTA
VA TAGLIATA +
CORTA!!!!!!!!!!

18 Litres of **HOT WATER**
per minute ($\Delta T 25^{\circ}C$)

35 % more
HOT WATER*

WARMTH
FOR HOMES
up to **250** sqm

* Compared to a 23 kW boiler

Traditional Systems:

30-85°C

Low Temperature
and Floor Systems:

30-45°C

BAXI *patented* **AFR** system
for inlet air regulation:

- FLEXIBILITY OF **INSTALLATION**
- EFFICIENCY **OPTIMIZATION**
- LOW **CONSUMPTION**
- LOW **EMISSIONS**

Self check

clear and *simple* indicators on:

- BOILER WORKING
- SAFETY DEVICES

Self regulation

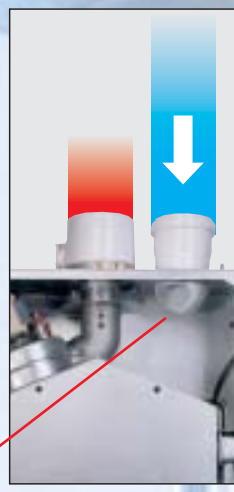
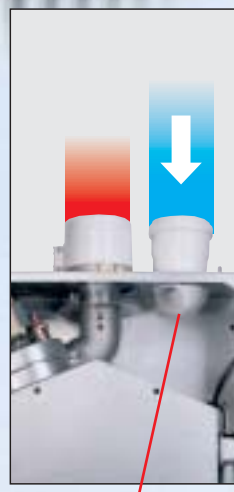
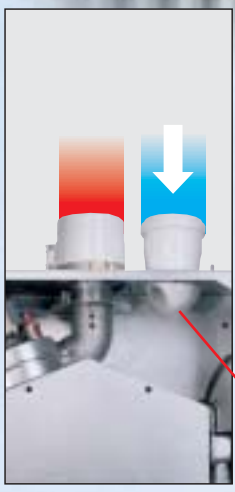
- CONTINUOUS ELECTRONIC
FLAME MODULATION
- OUTDOOR PROBE

QUESTA ANTA
VA TAGLIATA +
CORTA!!!!!!!!!!

LUNA



31 kW



AFR
System



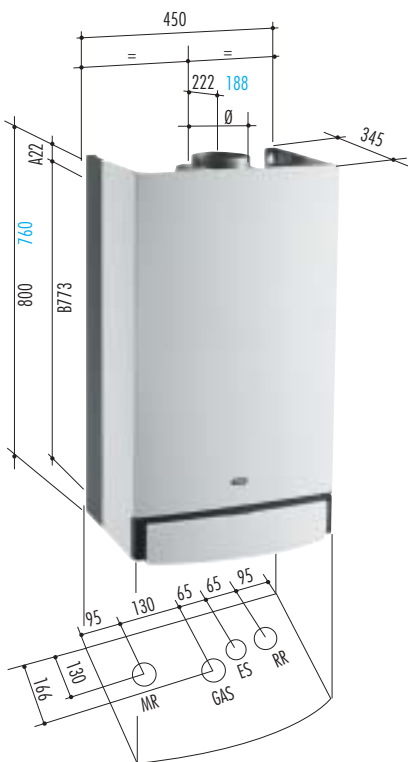
Still easier

BAXI

LUNA

Techni

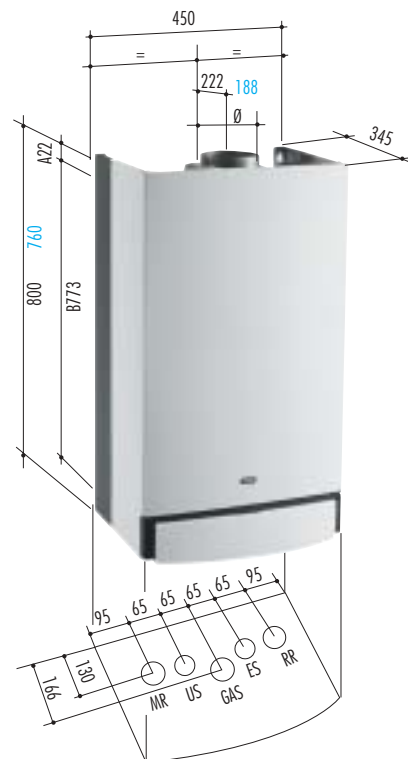
HEATING ONLY MODELS



- MR Heating system flow G 3/4
- US Domestic hot water outlet G 1/2*
- GAS Gas inlet G 3/4
- ES Domestic mains water inlet G 1/2
- RR Heating system return G 3/4
- A Boiler fixing points. Boiler fixing points distance: 425 mm
- B Fixing points / connections distance

*combi version

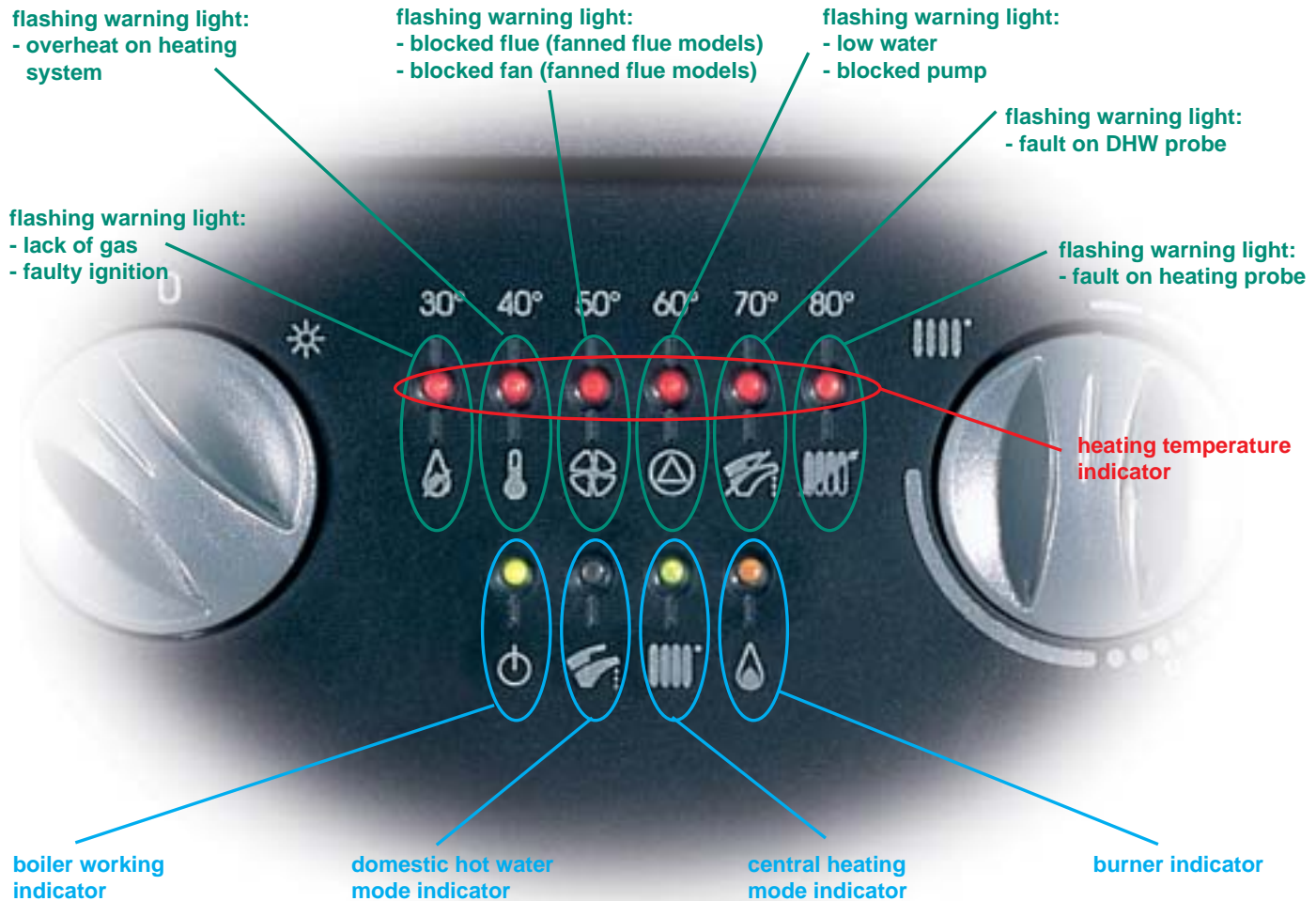
COMBI MODELS



DESCRIPTION		DHW PRODUCTION				HEATING ONLY		
		FANNED FLUE		OPEN FLUE		FANNED FLUE		OPEN FLUE
		LUNA 310Fi	LUNA 240Fi	LUNA 280i	LUNA 240i	LUNA 1.310Fi	LUNA 1.240Fi	LUNA 1.240i
Maximum heat input (nominal)	kW	34,3	26,3	31,1	26,3	34,3	26,3	26,3
Minimum heat input	kW	11,9	10,6	11,9	10,6	11,9	10,6	10,6
Maximum heat output (nominal)	kW (kcal/h)	31 (26.700)	24 (20.600)	28 (24.000)	24 (20.600)	31 (26.700)	24 (20.600)	24 (20.600)
Minimum heat output	kW (kcal/h)	10,4 (8.900)	9,3 (8.000)	10,4 (8.900)	9,3 (8.000)	10,4 (8.900)	9,3 (8.000)	9,3 (8.000)
Maximum efficiency (nominal)	%	90,3	90,3	90,3	90,3	90,3	90,3	90,3
Efficiency at 30% capacity	%	88	88	88	88	88	88	88
Sealed combustion chamber		•	•	-	-	•	•	-
Ignition		electronic	electronic	electronic	electronic	electronic	electronic	electronic
Anti-frost device on heating circuit		•	•	•	•	•	•	•
Minimum working temperature with anti-frost device	°C	-4	-4	-4	-4	-4	-4	-4
Expansion vessel	l/bar	10/0,5	8/0,5	10/0,5	8/0,5	10/0,5	8/0,5	8/0,5
Heating system max pressure	bar	3	3	3	3	3	3	3
Regulation of water temperature in heating circuit	°C	30/85-30/45	30/85-30/45	30/85-30/45	30/85-30/45	30/85-30/45	30/85-30/45	30/85-30/45
Regulation of water temperature in DHW circuit	°C	35/65	35/65	35/65	35/65	-	-	-
Domestic hot water production ΔT 25°C	l/min	18	13,7	16	13,7	-	-	-
Domestic hot water production ΔT 35°C	l/min	12,7	9,8	11,4	9,8	-	-	-
Minimum capacity DHW flow rate	l/min	2,5	2,5	2,5	2,5	-	-	-
Minimum pressure on DHW system	bar	0,2	0,2	0,2	0,2	-	-	-
Maximum pressure on DHW system	bar	8	8	8	8	-	-	-
Dimensions	Height	mm	760	760	800	760	760	800
	Width	mm	450	450	450	450	450	450
	Depth	mm	345	345	345	345	345	345
Flue tube	Ø mm	-	-	140	120	-	-	120
Coaxial/dual flue tube	Ø mm	60-100/80	60-100/80	-	-	60-100/80	60-100/80	-
Net weight	kg	41	39	35,5	34,5	39	37	32,5
Gas type		Methane/LPG	Methane/LPG	Methane/LPG	Methane/LPG	Methane/LPG	Methane/LPG	Methane/LPG
Inlet supply pressure: Methane	mbar	20	20	20	20	20	20	20
Inlet supply pressure: LPG (G30-G31)	mbar	-/37	30/37	30/37	30/37	-/37	30/37	30/37
Voltage	V	230	230	230	230	230	230	230
Power consumption	W	190	170	110	110	190	170	110
Grade of protection		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D
Available also in LPG version		•	•	•	•	•	•	•

cal information

Easy and immediate controls



MODULGAS SYSTEM

Electronic flame modulation

Electronic ignition

Baxi patented AFR system for efficiency optimization (fanned flue models)

Gas valve with continuous modulation

Stainless steel burner

Gradual automatic ignition

HYDRAULIC SYSTEM

Hydraulic 3-way brass diverter valve (combi models)

Stainless steel DHW heat exchanger (combi models)

Automatic by-pass

Circulating pump with built-in air vent

Pump overrun

System to prevent pump sticking operating every 24 hours

Inspectionable strainer on the domestic mains water inlet

(combi models)

Pressure relief valve on heating system operating at 3 bar

Connection to cylinder option for DHW production

TEMPERATURE REGULATION SYSTEM

Two heating temperature possible ranges: 30/85°C, 30/45°C

Outdoor probe option

Regulation of heating temperature

Regulation of DHW temperature (combi models)

COMFORT position

CONTROL AND SAFETY SYSTEM

Electronic temperatures control by NTC probes

Self check automatic control system

Overheat limit thermostat for the main heat exchanger

Gas control electronic panel

Differential pressure switch to prevent boiler operating in the event of low water or blocked pump

Differential pressure switch to ensure safe discharge of flue products (fanned flue models)

Flue thermostat to ensure safe discharge of flue products (open flue models)

Anti-frost device (fanned flue models)

Radio interference filtering system

Temperature led indicator

Multifunction display

ACCESSORIES

Built-in filling system valve

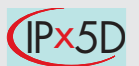
Gas valve

Domestic cold water intake valve with strainer (combi models)

Discharge valve

Telescopic connections

Template and adjustable supporting brackets

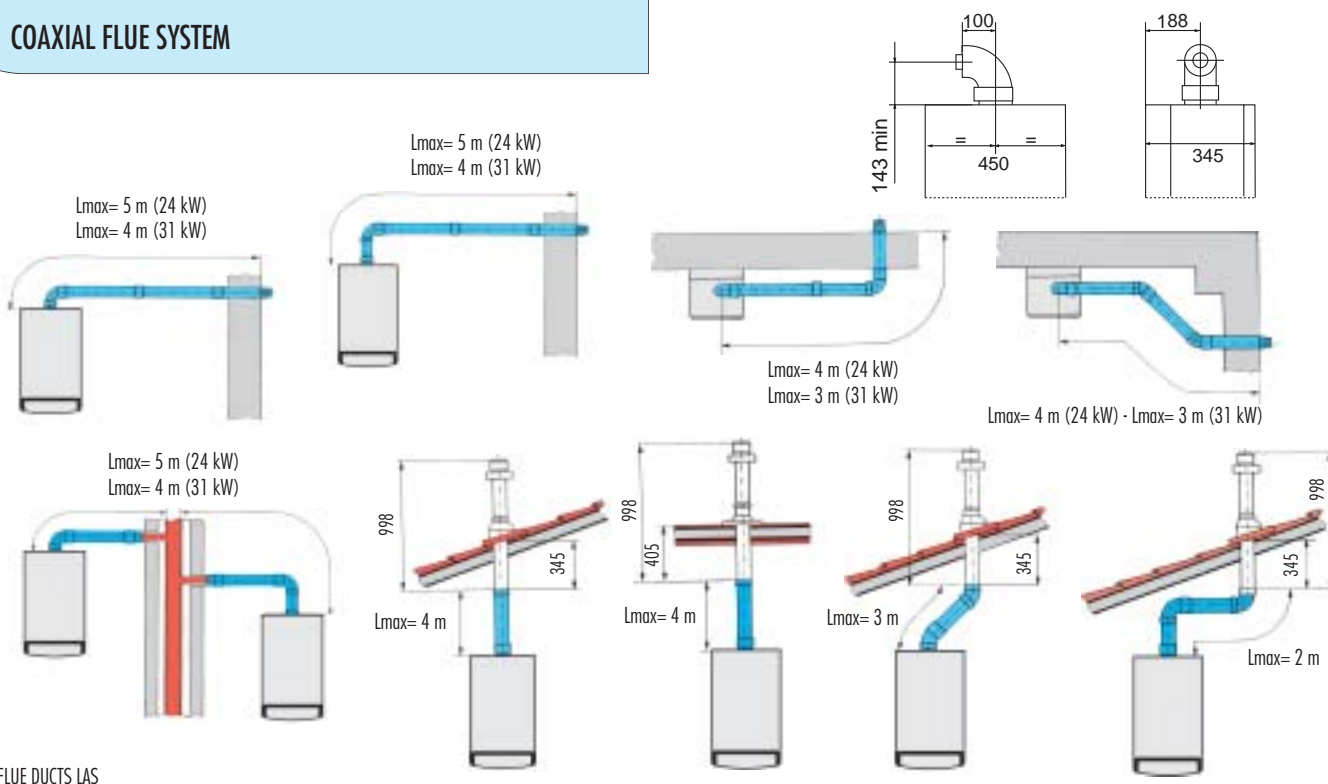


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Flue system

COAXIAL FLUE SYSTEM



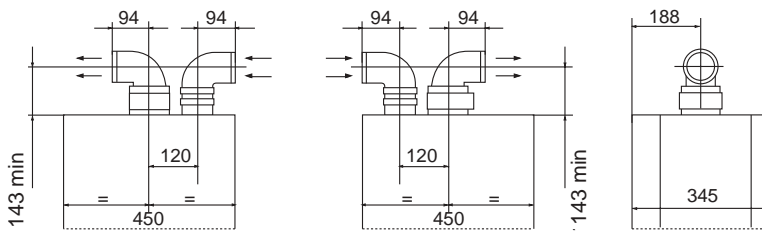
DUCTS TYPE	MAXIMUM LENGTH WITHOUT TERMINAL m		LENGTH REDUCTION WITH A 90° BEND INSERTION m	LENGTH REDUCTION WITH A 45° BEND INSERTION m	Ø DISCHARGE mm	Ø WALL mm
	LUNA 24 kW	LUNA 31 kW				
COAXIAL FLUE SYSTEM	5	4	1	0,5	60-100	107

FLUE ACCESSORIES FOR COAXIAL FLUE SYSTEM

	COAXIAL FLUE TUBES WITH TERMINAL Length: 750 mm Supplied with: <ul style="list-style-type: none"> • clamp and gaskets • wind proof terminal • stainless steel sealing collar. 		VERTICAL CHIMNEY TERMINAL FOR COAXIAL FLUE SYSTEM For coaxial ducts exit on the roof.
	COAXIAL FLUE TUBE EXTENSION Length: 1000 mm Supplied with clamp and gasket.		FLAT/PITCHED ROOF TILE To be used with a vertical chimney terminal. The pitched one is adjustable from 15° to 45°.
	COAXIAL 90° BEND Supplied with clamp and gasket.		CLAMP Ø 100
	COAXIAL 45° BEND Supplied with clamp and gasket.		INTERNAL SEALING COLLAR Ø 100

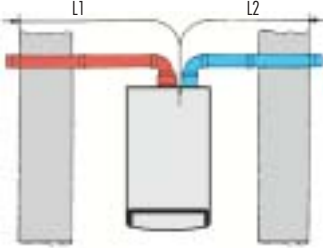
System and accessories

DUAL FLUE SYSTEM

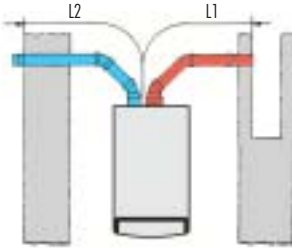


PATENTED AFR SYSTEM FOR EFFICIENCY OPTIMIZATION

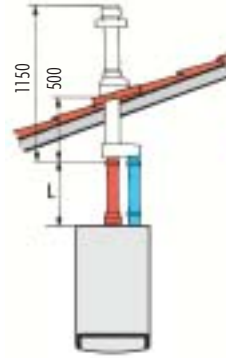
(L1+L2) max= 40 m (24 kW)
(L1+L2) max= 25 m (31 kW)



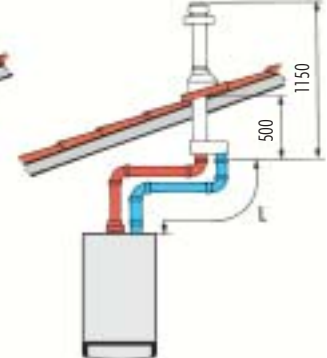
(L1+L2) max= 40 m (24 kW)
(L1+L2) max= 25 m (31 kW)



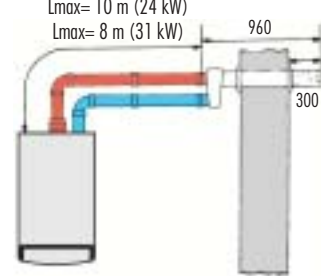
Lmax= 15 m (24 kW)
Lmax= 12 m (31 kW)



Lmax= 14 m (24 kW)
Lmax= 11 m (31 kW)



Lmax= 10 m (24 kW)
Lmax= 8 m (31 kW)



IF THE TOP FLUE IS LONGER THAN 6 m A CONDENSATION WATER COLLECTOR MUST BE INSTALLED

DUCTS TYPE		MAXIMUM LENGTH WITHOUT TERMINAL m		LENGTH REDUCTION WITH A 90° BEND INSERTION m	LENGTH REDUCTION WITH A 45° BEND INSERTION m	Ø DISCHARGE mm	Ø WALL mm
		LUNA 24 kW	LUNA 31 kW				
DUAL FLUE SYSTEM	INSTALLATION WITH WIND PROOF TERMINAL	40	25	0,5	0,25	80	85
	INSTALLATION WITH HORIZONTAL CHIMNEY TERMINAL	10	8	0,5	0,25	133	140
	INSTALLATION WITH VERTICAL CHIMNEY TERMINAL	15	12	0,5	0,25	133	140

FLUE ACCESSORIES FOR DUAL FLUE SYSTEM

	DUAL FLUE AFR SYSTEM KIT It includes: • flue reduction, supplied with clamp and gasket • intake connection with air regulation		90°/45° INSULATED BEND Ø 80 Supplied with clamp and gasket		TUBE Ø 80 SUPPORTING BRACKET Pack of 5.
	PAINTED TUBE Ø 80 L = 1000/500		INSULATED TUBE ADAPTER Supplied with clamp and gasket. It must be used together with dual flue kit to connect tubes to insulated bends.		INTERNAL SEALING COLLAR Ø 80 AND Ø 100 FOR INSULATED TUBES.
	ALUMINIUM TUBE Ø 80 L = 2000/1000/500		CONDENSATE COLLECTOR KIT It allows to collect the condensate produced in the flue tube, preventing its going into the boiler. It must be connected to an outlet by sealed syphonic elbow.		EXTERNAL SEALING COLLAR Ø 80
	PAINTED INSULATED TUBE internal Ø 80 external Ø 100 L = 1000/500 Supplied with clamp and gasket		AIR INLET/FLUE OUTLET SOCKET KIT		DUAL FLUE HORIZONTAL/VERTICAL CHIMNEY TERMINAL For dual system single outlet on the wall.
	90°/45° BEND Ø 80		TUBE Ø 80 CENTRING KIT Pack of 5.		DUAL FLUE TERMINAL Ø 80

DISTRIBUTED BY:

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