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Main5



- Ultra compact dimensions
- Bi-thermic rapid heat exchanger
- Able to safely work with a minimum gas pressure of 4 mbar and 170 V minimum supply voltage
- Combustion control system (GDC) to guarantee the safe operation of the boiler even in case of combustion anomalies (flue obstruction, flue recirculation, etc.)
- Easy access to the components , including the expansion vessel, thanks to the new structure and internal layout
- Anti-scale electronic system
- Anti-frost protection



Control Panel

The new digital control panel with LCD display and push-buttons, make the boiler's working check easy and immediate: clear and simple symbols allow to show all boiler's parameters and anomalies that may occur

Hydraulic system

Steel burner
Bi-thermic rapid heat exchanger made of copper pipes protected with anticorrosion coating
Automatic by-pass
System to prevent pump sticking operating every 24 hours
Central heating relief valve set at 3 bar

Control system

Combustion control system (GDC)
Overheat limit thermostat for the water/flue exchanger
Hydraulic pressure switch to prevent boiler's operating in event of low water
Electronic temperatures control by NTC sensors
Anti-frost protection of CH circuit
Anti-scale electronic system
Electronic thermometer
Central heating pressure gauge

Product code	Natural Gas LPG	Combi		
		14F 7111780	18F 7111781	24F 7107750 7113141
Maximum heat input	kW	19,4	19,4	25,8
Minimum heat input	kW	10,6	10,6	10,6
Maximum heat output	kW	18	18	24
Minimum heat output	kW	9,3	9,3	9,3
Maximum efficiency	%	90,7	92,8	92,9
Energetic efficiency (92/42/CEE)		★★	★★★	★★★
Efficiency at 30%	%	90,1	90,3	90,2
Minimum working temperature	°C	-5	-5	-5
Expansion vessel capacity/ pre-charge	l/bar	6/0,5	6/0,5	6/0,5
Heating system max pressure	bar	3	3	3
Heating temperature range	°C	30/76	30/76	30/76
DHW temperature range	°C	35/55	35/55	35/55
DHW production ΔT 25°C	l/min	10,3	10,3	13,7
Minimum capacity DHW flow rate	l/min	2	2	2
Minimum pressure on DHW circuit	bar	0,15	0,15	0,15
Maximum pressure on DHW circuit	bar	8	8	8
Coaxial flue system Ø 60/100 max length	m	5	5	5
Dual flue system Ø 80 max length	m	30	30	30
Maximum flue mass flow rate	kg/s	0,014	0,014	0,016
Minimum flue mass flow rate	kg/s	0,016	0,016	0,016
Maximum flue temperature	°C	135	135	149
Dimensions (h x w x d)	mm	700 x 400 x 299		
Net weight	kg	27	27	27
Gas type		Natural Gas/LPG ▲		
Power consumption	W	110	110	110
Grade of protection		IPX5D	IPX5D	IPX5D

▲ For operation with LPG use the conversion kit (injectors) available as optional.