

Luna Platinum+



Technical pages



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- Removable control panel for wall-hung installation with wide text display, regulation knob, menu selection buttons and back-lighting; supplied with the boiler
- Wide modulation ratio up to 1:10 (1:6 mod. 1.12 GA) better efficiency and noiseless operation
- Gas Adaptive Control (GAC) system: combustion automatic control to maintain constantly the highest level of efficiency
- Built-in solar control ▲
- High efficiency full modulating pump
- Complete soundproofing of the generator
- Frontal access for advanced diagnostics
- Ø50 mm flue pipe mod. 24 kW, 40 m max length

Hydraulic system

3 way electric diverter valve (also heating only models)
Stainless steel premixing burner
Stainless steel water/flue heat exchanger
Stainless steel enhanced DHW exchanger to ensure condensation also in DHW mode (combi models)
Modulating fan with electronic speed adjusting system
Automatic by-pass
High efficiency full modulating pump of the heating circuit with built-in air vent
System to prevent pump and diverter valve sticking operating every 24 hours
Heating circuit relief valve set at 3 bar

Thermoregulation system

Built-in climatic regulation (outdoor sensor available as optional)
Control of multi-zones system option
Cascade installation option
Room sensor, heating circuit and sanitary timers included in the control panel

Control system

Overheat limit thermostat of the water/flue exchanger
Hydraulic pressure switch to prevent boiler operating in event of low water
Safety NTC sensor against flues overheat
Electronic temperatures control by NTC sensors
Full anti-frost device
Electronic thermometer
Digital heating circuit pressure gauge

Product code	Combi			Heating only		
	24 GA 7219692	33 GA 7219693	1.12 GA 7219668	1.18 GA 7219689	1.24 GA 7219690	1.32 GA 7219691
Maximum heat input (DHW)	kW	24,7	34	-	-	-
Maximum heat input (heating)	kW	16,5	24,7	12,4	17,4	24,7
Minimum heat input	kW	2,5	3,4	2,1	2,1	2,5
Rated heat output for DHW circuit	kW	24	33	-	-	-
Rated heat output <i>Rated</i>	kW	16	24	12	17	24
Useful heat output at rated heat output and high temperature regime* P_4	kW	16	24	12	16,9	24
Useful heat output at 30% of rated heat output and low temperature regime** P_1	kW	5,4	8,0	4	5,7	8
Load profile		XL	XXL	-	-	-
Seasonal space heating energy efficiency class		A	A	A	A	A
Water heating energy efficiency class		A	A	-	-	-
Seasonal space heating energy efficiency η_{sp}	%	93	93	93	93	93
Useful efficiency at rated heat output and high temperature regime* η_4	%	88,0	87,9	88,0	87,9	87,9
Useful efficiency at 30% of rated heat output and low temperature regime** η_1	%	98,1	98,1	98,2	98,1	98,1
Efficiency P_n (lower calorific value) - average temperature 70 °C	%	97,7	97,6	97,7	97,6	97,6
Efficiency 30% (lower calorific value) - return temperature 30 °C	%	108,9	108,9	109	108,9	108,9
NOx emissions	mg/kWh	18	26	23	27	22
Minimum working temperature	°C	-5	-5	-5	-5	-5
Expansion vessel capacity	l	8	8	8	8	10
Heating temperature range	°C	25-80	25-80	25-80	25-80	25-80
DHW temperature range	°C	35-60	35-60	-	-	-
Specific flow (EN 13203-1)	l/min	11,5	15,8	-	-	-
DHW production ΔT 25°C ⁽¹⁾	l/min	13,8	18,9	-	-	-
Minimum capacity DHW flow rate	l/min	2	2	-	-	-
Minimum pressure heating circuit	bar	0,5	0,5	0,5	0,5	0,5
Minimum pressure DHW circuit	bar	0,15	0,15	-	-	-
Maximum pressure heating circuit	bar	3	3	3	3	3
Maximum pressure DHW circuit	bar	8	8	-	-	-
Coaxial flue system Ø 60/100 max length	m	10	10	10	10	10
Dual flue system Ø 80 max length	m	80	80	80	80	80
Maximum flue mass flow rate	kg/s	0,011	0,016	0,006	0,008	0,011
Minimum flue mass flow rate	kg/s	0,001	0,002	0,001	0,001	0,001
Maximum flue temperature	°C	80	80	80	80	80
Dimensions (h x l x p)	mm	763 x 450 x 345				
Net weight	kg	38,5	39,5	34,5	34,5	37,5
Gas type		Natural gas/LPG				
Power consumption	W	91	105	64	83	91
Auxiliary electrical power consumption - Full load el_{max}	kW	0,025	0,035	0,025	0,040	0,050
Auxiliary electrical power - Partial load el_{min}	kW	0,012	0,012	0,012	0,012	0,012
Auxiliary electrical power - Stand-by P_{SB}	kW	0,004	0,004	0,004	0,004	0,004
Sound power level, indoor L_{WA}	dB	50	57	50	57	57
Grade of protection		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D

▲ In case of contemporary control of a solar system and a zone by the wall-mounted control panel, it is necessary to install a programmable clip in/external module THINK.

* High temperature regime: 60°C return temperature at heater inlet and 80°C flow temperature at heater outlet

** Low temperature: 30°C return temperature (at heater inlet)

⁽¹⁾ without flow restrictor

Heating only models are connectable to indirect cylinders