

Luna Duo-tec MP/MP+ 35-110 kW



- Modulation ratio 1÷9 (1÷7 mod. 1.35): better efficiency and noiseless
- High efficiency full modulating circulating pump (Luna Duo-tec MP+ models)
- Sealed chamber insulation
- Compact dimensions
- Cascade installations (up to 16 boilers)
- 0-10 V control for each boiler or for the cascade system
- Hydraulic accessories to install from 2 to 6 boilers in cascade
- Forced flue solutions for vertical and horizontal configurations

* mod. MP+ - Products with nominal output > 70 kW are not subjected to ErP regulation

Outputs from 35 to 110 kW

Hydraulic system

Modulating pump included in the boiler (Luna Duo-tec MP models)

High efficiency full modulating pump with enhanced head pump (Luna Duo-tec MP+ models)

System to prevent pump sticking operating every 24 hours

Flow and return NTC sensors

Water tray for condensate drain from supply air duct

Thermoregulation system

Built-in climatic regulation (outdoor sensor supplied as optional)

Mixed zones systems (high and low temperatures) installation option

Cascade system installation option (up to 16 boilers)

NTC sensor for DHW cylinder control option

Heating and DHW timers integrated in the control panel

Control system

Full electronic anti-frost device

Electronic thermometer

Central heating pressure gauge

Flow over-temperature thermostat

		MP+ 1.35	MP+ 1.50	MP+ 1.70	MP+ 1.90	MP+ 1.110
Maximum heating heat input	kW	34,8	46,3	66,9	87,4	104,9
Maximum heating heat output 80/60 °C	kW	33,8	45	65	85	102
Maximum heating heat output 50/30 °C	kW	36,5	48,6	70,2	91,8	110,2
Minimum heating heat output 80/60 °C	kW	5	5	7,2	9,4	11,4
Minimum heating heat output 50/30 °C	kW	5,4	5,4	7,8	10,2	12,3
Nominal efficiency 80/60 °C	%	97,3	97,3	97,2	97,3	97,2
Nominal efficiency 50/30 °C	%	105	105	105	105,5	105,1
Efficiency 30%	%	107,7	107,8	107,1	107,4	107,4
Minimum flow on the exchanger	l/h	800	800	1500	2000	2250
Classe NOx (EN 483)		5	5	5	5	5
Minimum working temperature	°C	-5	-5	-5	-5	-5
Water content	lt	4	4	6	9	10
Condensate drain	l/h	3,7	4,1	7,3	9,2	11,1
Maximum pressure heating circuit	bar	4	4	4	4	4
Safety valve intervention pressure	bar	4	4	4	4	4
Regulation of water temperature in heating circuit	°C	25/80	25/80	25/80	25/80	25/80
Coaxial flue system	mm	ø80/125	ø80/125	ø80/125	ø110/160	ø110/160
Dual flue system	mm	80+80	80+80	80+80	110+110	110+110
Maximum flue mass flow rate	kg/s	0,016	0,021	0,031	0,040	0,047
Minimum flue mass flow rate	kg/s	0,002	0,002	0,004	0,005	0,005
Maximum flue temperature	°C	76	80	74	70	70
Dimensions (h x w x d)	mm	766x450x377	766x450x377	766x450x505	952x600x584	952x600x584
Net weight	kg	40	40	50	83	93
Gas type		Met./GPL	Met./GPL	Met./GPL	Met./GPL	Met./GPL
Power consumption	W	180	230	230	275	320
Grade of protection		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D