

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



- Stainless steel single chamber (50 - 60 - 70 kW) and double chamber (90 - 110 kW) exchanger: high output in compact size, reliability and long life.
- High modulation ratio (1÷9): better efficiency thanks to reduced switch-on/switch-off of the boiler
- Full modulating low energy circulating pump (ErP ready - class A) with enhanced head pump (Luna Duo-tec MP+ models)
- Digital control panel with push buttons and wide LCD display (numbers and symbols)
- Compact size and minimal weight
- Complete range of accessories for single and cascade installations

Output from 35 to 110 kW

Hydraulic system

Modulating pump included in the boiler
(Luna Duo-tec MP models)
Full modulating low energy circulating pump (ErP ready - class A) 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

		1.35	1.50	1.60	1.70	1.90	1.110
Product code		7104050 (MP) 7213428 (MP+)	7104050 (MP) 7213429 (MP+)	7104051 (MP) 7213430 (MP+)	7104052 (MP) 7213431 (MP+)	7104651 (MP) 7213432 (MP+)	7104652 (MP) 7213433 (MP+)
Maximum heating heat input	kW	34,8	46,3	56,6	66,9	87,4	104,9
Maximum heating heat output 80/60°C	kW	33,8	45	55	65	85	102
Maximum heating heat output 50/30°C	kW	36,5	48,6	59,4	70,2	91,8	110,2
Minimum heat output 80/60°C	kW	5	5	6,1	7,2	9,4	11,4
Minimum heat output 50/30°C	kW	5,4	5,4	6,6	7,8	10,2	12,3
Energetic efficiency 92/42/CEE		★★★★	★★★★	★★★★	★★★★	★★★★	★★★★
Average efficiency (DIN 4702-T8)	%	109,8	109,8	109,8	109,8	109,8	109,8
Nominal efficiency 80/60°C	%	97,4	97,2	97,2	97,2	97,2	97,2
Nominal efficiency 50/30°C	%	105	105	105	105	105	105
Efficiency at 30%	%	107,7	107,8	107,4	107,1	107,5	107,4
NOx class (EN 483)		5	5	5	5	5	5
Minimum working temperature	°C	-5	-5	-5	-5	-5	-5
Water content	lt	4	4	5	6	9	10
Heating system max pressure	bar	4	4	4	4	4	4
Safety valve intervention pressure	bar	4	4	4	4	4	4
Regulation of water temperature in heating circuit	°C	25/80	25/80	25/80	25/80	25/80	25/80
Coaxial flue system	mm	ø 80/125	ø 80/125	ø 80/125	ø 80/125	ø 110/160	ø 110/160
Dual flue system	mm	80+80	80+80	80+80	80+80	110+110	110+110
Maximum flue mass flow rate	kg/s	0,016	0,021	0,026	0,031	0,04	0,047
Minimum flue mass flow rate	kg/s	0,002	0,002	0,003	0,004	0,005	0,005
Maximum flue temperature	°C	76	80	80	74	70	70
Dimensions (h x w x d)	mm	766x450x377	766x450x377	766x450x377	766x450x505	952x600x584	952x600x584
Net weight	kg	40	40	40	50	83	93
Gas type		Nat. gas/LPG					
Power consumption	W	180	190	210	210	275	320
Grade of protection		IPX5D	IPX5D	IPX5D	IPX5D	IPX5D	IPX5D