

30 years of trust in the experience and professionalism of "LAKAL" Ltd

HEATING INSTALLATIONS

● PELLET BOILERS **MCZ Compact-Italy**



Fully automatic, it is a silent and compact solution for the heating of apartments, houses, cottages, or small public buildings.



It can be operated through auxiliary room thermostat or the water temperature, as the heat in the separate rooms is regulated by thermostatic valves. It can also be used for under floor heating.



The weekly programmable control panel is user friendly and it can operate auxiliary DHW tank or puffer (optional).

MCZ Compact pellet boilers allow installation and easy operation in considerably small spaces like closets, under staircases, garages or other servicing rooms **that provide access of combustion air**. It has a high nominal performance up to 93%.

MCZ Compact are a newly developed compact pellet boilers with outputs of 14, 18, 24, 35 and 45kW.

With built-in: pellet hopper, circulation pump, expansion vessel, safety valve and weekly programmable control panel. It is certified in accordance with EN303-5, Class 5.

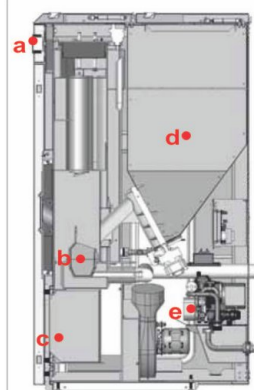
MCZ Compact have a built in anti-freeze protection and anti-lock function for the pump.



MCZ Compact



MCZ Compact Slim



- a. Control panel
- b. Cast iron brazier
- c. Large ash pan, allowing once a week cleaning
- d. Pellet hopper
- e. Hydraulic kit

With maximum space saving in the installation, a DHW tank with a volume of 110 l can be integrated to the existing heating system.

Operation of the tank can be automatically and easily achieved by the corresponding function in the control panel. The unit configuration enables the use of the **summer work mode** – only for hot water.

The boilers have **ECO STOP function**. After reaching the set temperature, the unit remains at a minimum output for at least 10min. before turning off. If during that time the water temperature falls, the boiler switches automatically to a normal mode, avoiding shut down and restart.

In this way **MCZ Compact** provides more dynamic operation, lower emissions and significant pellet economy.

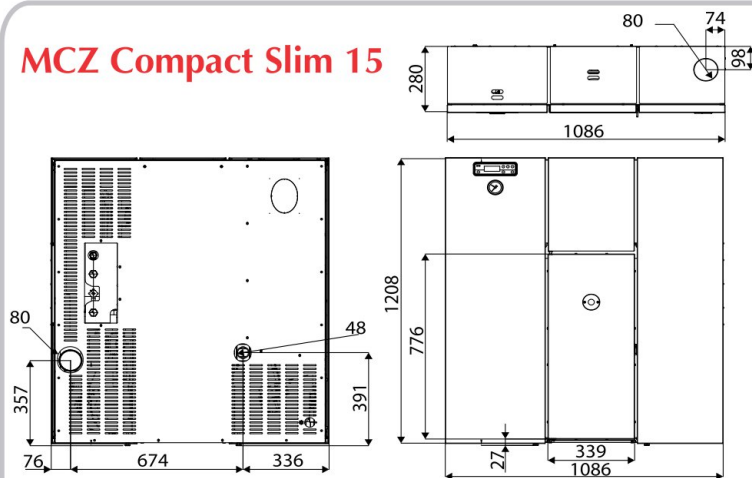
The SLEEP function, the weekly programmable option and the long period of independent operation without servicing, make the boilers **MCZ Compact** practical, easy to use and a convenient solution for the heating of your home.

Technical data

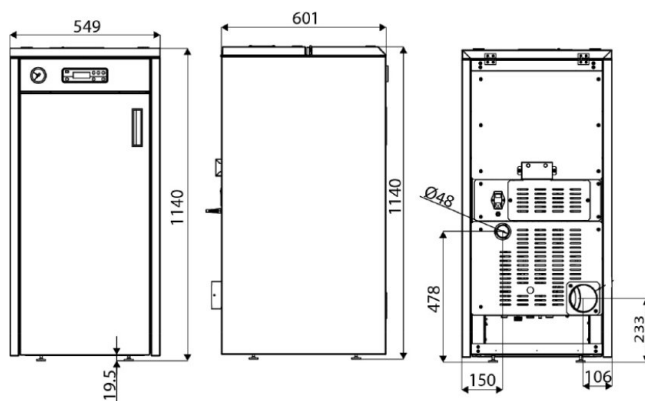
		Compact SLIM 15	Compact 14	Compact 18	Compact 24	Compact 35	Compact 45
Heat output	kW	13,5-15*	13-14,4*	17-18,1*	22-24,5*	32-34,5*	41-45*
Efficiency	%	90	90,3	93,8	90,2	92,8	92,6
Exhaust gas temperature	°C	85	108	110	150	140	140
Boiler water capacity	L	20	20	25	25	30	50
Maximum working pressure	bar	3	3	3	3	3	3
Dimensions (WxDxH)	cm	109x28x121	55x60x114	60x66x122	60x66x124	74x70x134	77x87x133
Weight	kg	200	190	200	200	300	350
Flue pipe	ØD mm	80	100	100	100	100	100
Pellet tank capacity	kg	40	20	70	70	100	100
Running time with one load-min/max	hour	12-37	8-27	19-68	15-68	16-60	11-38
Hourly consumption at min/max	kg/h	1-3,1	0,85-3	1-3,6	1-4,8	1,3-6,7	2,6-9,5
Inlet/outlet water	inch	3/4"M	3/4"M	3/4"M	3/4"M	3/4"M	3/4"M
Fresh air inlet	ØDmm	80	80	80	80	80	80

* The maximum output depends of the quality of the pellets.

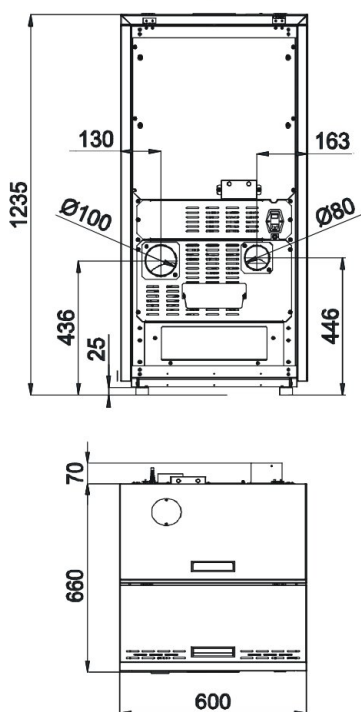
MCZ Compact Slim 15



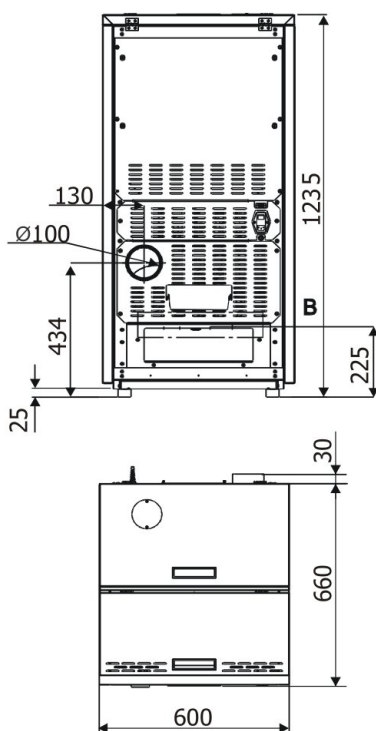
MCZ Compact 14



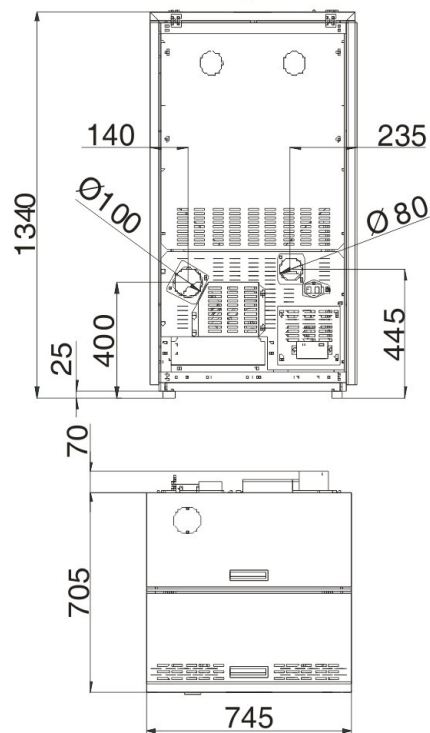
MCZ Compact 18



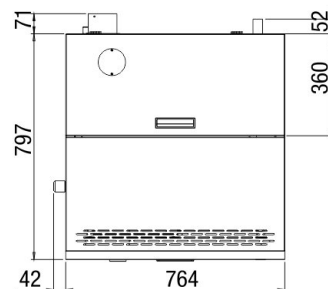
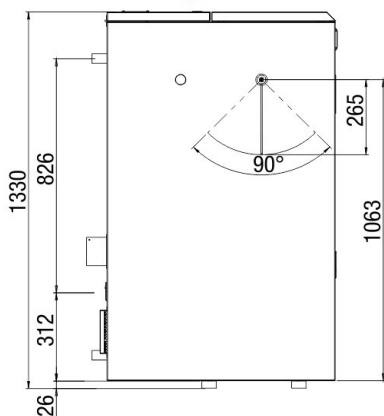
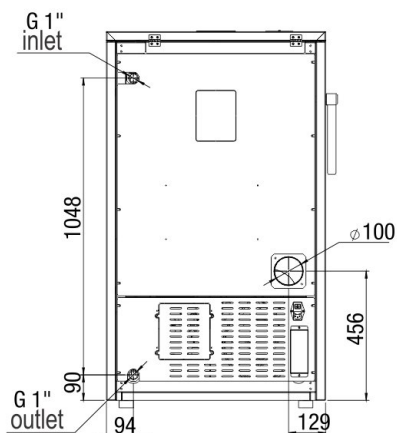
MCZ Compact 24



MCZ Compact 35



MCZ Compact 45



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