

These are low-temperature boilers, designed to work in an open system with a storage tank. The boilers have the biomass combustion (gasification) chamber, afterburner and a tube type heat exchanger.

The EKOPAL RM boiler is fitted with a high-pressure fan with an air damper adjusted automatically and microprocessor-based control system, which controls the biomass combustion process according to optimal parameters. In all series of sizes the same "countercurrent combustion system" remains invariably, and the only changes are the shape and size of the combustion chamber, dimensions of heat exchange surface and fan type. Currently we offer the boilers in the power range from 25 kW up to 600 kW.

The recipients of our straw-fired boilers are individual farmers and companies, gardeners, poultry breeders, pig farmers, dryers, as well as budgetary institutions (boiler houses with our boilers are mounted in schools and other rural buildings).

EKOPAL RM

STRAW AND OTHER BIOMASS-FIRED BOILERS



EKOPAL RM CATALOGUE

Parameter	Unit	RM 2	RM 5	RM 20	RM 30	RM 38	RM 40	RM 01	RM 02	RM 03-2	RM 03-3
Max. heat output*:	kW	25	40	70	100	120	180	300	400	500	600
Max. space of heated rooms:	m ³	350	500	1000	1500	2500	3000	6000	8000	10000	12000
Thermal efficiency	%	82									
Min. capacity of the storage tank	m ³	2,0	3,0	4,0	60,0	8,0	10,0	15,0	20,0	22,0	25,0
Single load of straw											
- bale 80x40x40 cm		2	3	4	6	8	12	approx. 20	approx. 20	approx. 20	approx. 40
- round bale Ø 125x120 cm	pcs					1	1	1	1	1	2
- round bale Ø 140x150 cm							1	1	1	1	
- round bale Ø 180x150 cm								1	1	1	
- bale 180x80x120 cm										2	2
- bale 250x80x120 cm											2
Boiler dimensions											
- height	mm	1570	1930	1725	2110	2105	2450	2875	2875	3045	3045
- width		1025	1020	1275	1310	1655	1860	2200	2200	2415	3300
- depth		2065	1975	2280	2280	2605	3125	3270	3270	3190	3500
Combustion chamber dimensions											
- height	mm	850	1200	900	1350	Ø 1300	1550	Ø 1900	Ø 1900	1950	1900
- width		620	620	900	900	Ø 1300	1500	Ø 1900	Ø 1900	2000	2900
- depth		950	950	1140	1150	1295	1500	1690	1690	1540	1580
Boiler weight w/o water	kg	1100	1500	1800	2200	3200	4000	5200	5600	8000	10000