

R-MK Series

Solid Fuel Boilers

“Economy in Comfort”

R-MK Series solid fuel boilers, which are designed ease of use and cleaning priorities, are a low initial investment cost solution for detached houses, workplaces, and facilities where natural gas is not available and liquid fuel is an expensive option.

Plate heat exchangers provide a great convenience in cleaning. Wide loading doors and a large combustion chamber allow loading big quantities fast. Also, R-MK series boilers, which have additional features compared to other products in the market, with its compact size and weight installation process are made fast and convenient.

With “Plate Heat Exchanger ®” system, unlike the tubed models in the market, offers easy cleaning and maintenance by eliminating the problem of heavy accumulation of soot in the tubes. The smoke gases generated in the combustion chamber performs 3 passes before leaving the system. Powerful draft fan, draft regulator, rotary grills are some of the features of R-MK series.



Features



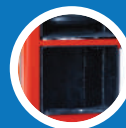
Control Panel

In R-MK Series, the safety thermostat, which continuously controls the boiler water temperature, regulates the operation. Limit thermostat prevents the boiler from reaching high temperatures.



Forced Air Fan

Fairly quiet fans provide the fresh air flow even at full power.



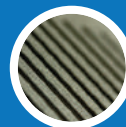
Wide Loading Door:

A wide loading door design that all users demand makes loading and cleaning extremely easy.



Draft Regulator

The chimney draft must be balanced in strong chimney draft. This equipment, which is optional in many products, is provided as standard in RMK boilers.



Special Grates

These special grates are rotated by an external arm allows breaking down any cinders and accumulations ossified into the lower chamber.



Draft Limiter

When the boiler is in the sleep mode, draft limiter automatically closes and prevents the air flow till to next heat demand.



Wood, Coal



3 Doors



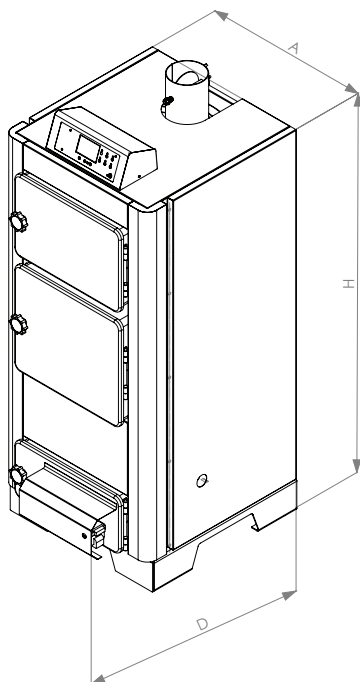
Long Life

High Heating
SurfaceRegulated
Fan

High Efficiency

Technical Specifications

TECHNICAL SPECIFICATION of R-MK			Unit	Boiler Type				
				RMK - 25	RMK - 40	RMK - 60	RMK - 80	
CAPACITY	Nominal Heat Output		kW	29	47	70	93	
			kcal/h	25.000	40.000	60.000	80.000	
	App. Combustion Efficiency		%	> %83				
OPERATING CONDITIONS	Safety Limit Temperature		°C	95				
	Boiler Temperature Range		°C	50-80				
	Pump Operating Temperature (Adjustable)		°C	30-50				
	Operating & Test Pressure		bar	2,5 - 4				
	Electrical Connection		-	230 Vac , 50 Hz				
	Required Stack Draught		mbar	0,2 - 0,4				
MAIN DIMENSIONS	Width, A		mm	590		740		
	Length, B		mm	650		805		
	Total Width, C		mm	675		825		
	Total Length, D		mm	780		935		
	Height, H		mm	1.350		1.410		
	Stack Size	Outer Diameter, ØD1		mm	125	180	180	
		Height, H1		mm	1.480		1.560	
		Pozisyon, E		mm	153	180	200	
	Empty Weight		kg	205	235	365	405	
	Freight Dimensions	WxDxH		mm	630x800x1480		780x955x1560	
Weight		kg	210	240	370	410		
WATER CONNECTIONS	Boiler Water Inlet	Diameter, ØD2		inch	1"	1 ¼"	1 ½"	
		Height, H2		mm	357		402	
		Position, F		mm	200		250	
	Hot Water Outlet	Diameter, ØD3		inch	1"	1"	1 ½"	
		Height, H3		mm	1242		1317	
		Position, F		mm	200		250	
	Expansion Tank Inlet, ØD4		inch	1"		1"		
	Expansion Tank Outlet, ØD5		inch	1"		1"		
	Water Content		lt	40	45	75	90	
	Recom. Expansion Tank Volume		lt	150	200	300	400	
OTHER SPECS.	Fuel Loading Dimesions Width x Length		mm	410 x 350				
	Appr. Fuel Storage Volume		lt	35		65		
	Coal		kg	25		45		
	Wood		kg	18		32		



Highlights on the Features of R-MK:

- Easy usage with 3 doors,
- Easy service & maintenance design,
- High efficiency and heating capacity,
- High robust and long life,
- Tubeless, plate heat exchanger,
- Mechanical thermostat or optional specially developed digital control panel,
- Easy to discharge ash with the grate rotary arm,
- Wood, coal etc. fuel type,
- Regulated fan to keep the ambient temperature constant,
- Minimum heat loss with high density insulation material,
- High heating surface,
- Adjustable fan clack.