

KY Series Solid Fuel Boiler

rima[®]
warmth of life

15 - 50 kW



- Four output range 3 to 10 Sections
- High efficiency
- Cast Iron Sections
- Suitable for safety heat exchanger use
- Compatible with fan controlled operation
- Easy to use & maintenance



Önmetal

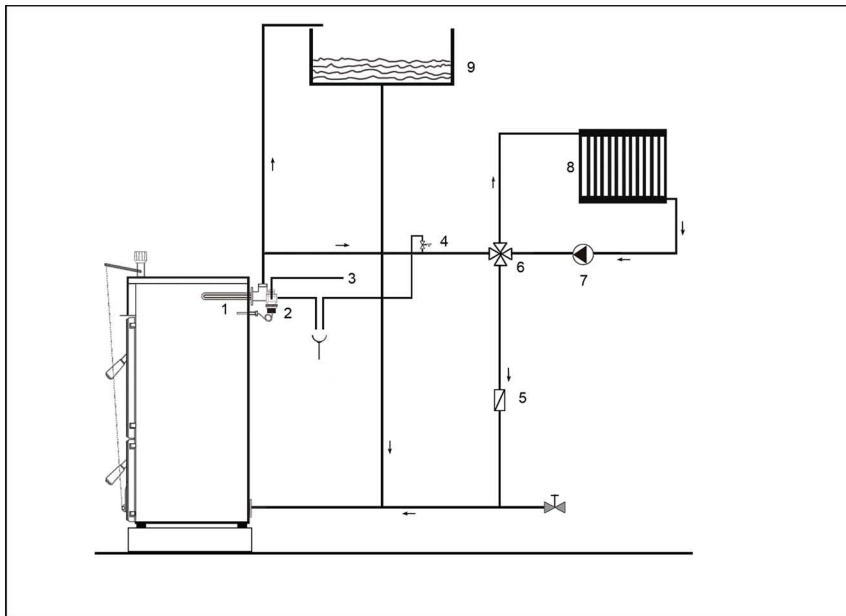


Technical Data

Series Name		KY-03	KY-04	KY-05	KY-06	KY-07	KY-08	KY-10	
Number Of Elements	Pcs.	3	4	5	6	7	8	10	
Nominal Heat Output (Black Coal -Walnut)	kW	15,0	21,0	26,5	32,5	37,0	41,0	50,0	
	kCal/h	12.900	18.060	22.790	27.950	31.820	35.260	43.000	
Nominal Heat Output (Hardwood Split Logs)	kW	14,0	18,5	24,0	29,0	33,0	37,0	46,0	
	kCal/h	12.040	15.910	20.640	24.940	28.380	31.820	39.560	
Nominal Heat Input	kW	19,0	26,6	33,5	41,1	46,8	51,9	63,3	
Minimum Heat Output	kW	7,6	10,6	13,4	16,4	18,7	20,7	25,3	
Heating Water Maximum Temp.	°C	90							
Heating Return Water Minimum Temp.	°C	50							
Burning Time For Nominal Output(B. Coal)	hr	>4							
Burning Time For Nominal Output(H. Wood)	hr	>2							
Range Of Temperature Control	°C	30-90							
Maximum Pressure of System	bar	4							
Minimum Pressure of System	bar	0,4							
Boiler Water Content	L	13,56	17,01	20,46	23,91	27,36	30,81	37,71	
	m ³	0,01356	0,01701	0,02046	0,02391	0,02736	0,03081	0,03771	
Exit Flue Connection Diameter	mm	180							
Combustion Chamber Dimensions(W x H)	mm	314 x 395							
Combustion Chamber Dimensions(L)	mm	265	365	465	565	665	765	965	
Water Inlet- Outlet Connection	(")	G 2 "							
Inlet-Outlet Safety Cooling Loop Connection	(")	G 3/4 "							
Minimum Chimney Depression	mbar	0,12	0,14	0,17	0,2	0,22	0,25	0,3	
Gas Volume Of the Boiler	dm ³	41,27	55,16	69,05	82,94	96,83	110,73	138,51	
	m ³	0,041	0,055	0,069	0,083	0,097	0,111	0,139	
Gas Volume Of the Combustion Chamber	dm ³	32,86	45,27	57,67	70,07	82,47	94,88	119,68	
	m ³	0,033	0,045	0,058	0,070	0,082	0,095	0,120	
Safety Valve Temperature Limit	°C	95							
Boiler Category (according to EN 303-5)	Class	1							
Exit Flue Gas Temperature (Full Load)	°C	215-260				190-225			
Exit Flue Gas Temperature (Part Load)	°C	165-190				155-175			
Maximum Noise Level acc. to Valid Norms	dB	45-60 (A)							
Dry Weight	kg	227	265	308	345	379	417	500	
CE Product Number		B-30-00373-07							

General Features

- . Seven output range 15 to 50 kW
- . Cast iron parts produced with flexible casting technique
- . 3 years producer warranty for cast iron parts
- . Big cast iron combustion chamber provides balanced combustion with low gas exhaust emission
- . 80 mm glasswool insulation on the cast iron boiler body
- . Easy to install, use and maintenance
- . Reliable control and safety components



Temperature Safety Valve :

1. Safety Heat Exchanger (SHT)
2. Safety Valve (TS 131)
3. Water Supply
4. System Safety Valve (3 bar - 1/2")
5. Check Valve
6. Four Way Mixing Valve
7. System Pump
8. Heating System
9. Open Expansion Tank



Önmetal Döküm San. ve Tic. Ltd. Şti.

İkitelli Organize Sanayi Bölgesi
Atatürk Bulvarı 17. Cad. No: 5
PK: 34306 Başakşehir
İstanbul / TÜRKİYE

T: +90 212 485 4874 | pbx

F: +90 212 485 4873

www.rima.com.tr

www.onmetal.com.tr