

D Series Cast Iron Boiler

for oil and natural gas

rima[®]
warmth of life

29.1 - 78.5 kW



- Six output range 3 to 8 sections
- High efficiency
- High quality cast iron parts
- Enlarged surface area for maximum heat transfer
- Easy temperature control
- Easy to use, install & maintenance
- Two side opening burner door (left & right)
- High combustion performance with low exhaust emission
- 80 mm glasswool insulation on the cast iron boiler body



Önmetal



Technical Data

Series Name		D - 03	D - 04	D - 05	D - 06	D - 07	D - 08
Number Of Elements	Pcs.	3	4	5	6	7	8
Nominal Heat Output	kW	29,1	39,0	48,8	58,7	68,6	78,5
	kCal/h	25.000	33.500	42.000	50.500	59.000	67.500
Nominal Heat Input	kW	32	42	54	64	75	85
Maximum Operating Temperature	°C	90					
Range Of Temperature Control	°C	30-90					
Gas Side Resistance	mbar	0,31 - 0,46	0,42 - 0,59	0,61 - 0,89	0,84 - 1,25	1,02 - 1,37	1,19 - 1,56
Maximum Operating Pressure	bar	4					
Boiler Water Content	L	13,74	17,38	21,02	24,66	28,3	31,94
	m³	0,01374	0,01738	0,02102	0,02466	0,0283	0,03194
Exit Flue Connection Diameter	mm	130		150			
Combustion Chamber Dimensions [Φ] [L]	mm	290					
	mm	280	380	480	580	680	780
Water Inlet- Outlet Connection	(")	G 1 1/4 "					
Gas Volume of the Boiler	L	24,20	33,40	42,60	51,80	61,00	70,20
	m³	0,024	0,033	0,043	0,052	0,061	0,070
Gas Volume of the Combustion Chamber	L	16,94	23,38	29,82	36,26	42,7	49,14
	m³	0,017	0,023	0,030	0,036	0,043	0,049
Safety Temperature Limit	°C	100					
Fuel Type	N.Gas	I ₂ H					
	Liquid F.	Extra Light Heat Oil					
Country of Destination		AT, CZ, DK, EE, ES, FI, GB, GR, IE, IT, LT, LV, PT, SE, SI, SK, TR					
Flue Gas Temperature [Full Load] [Partial Load]	°C	181 - 187	175 - 185	170 - 182	169 - 181	167 - 180	163 - 176
	°C	160 - 163	157 - 160	155 - 157	152 - 155	146 - 150	143 - 147
Flue Gas Mass Flow [Full Load] [Partial Load]	kg/h	49	65	82	98	115	131
	kg/h	29	39	49	59	68	78
Boiler Dimensions [Width x Height] [Length]	mm	510 x 840					
	mm	540	640	740	840	940	1040
Standby Loss	%	0,25	0,23	0,20	0,17	0,15	0,13
	kCal/h	678	835	907	926	956	948
Burner Hole Diameter	mm	105					
Burner Type		Short Barrel					
Boiler Net Weight	kg	148	175	202	229	256	283

