

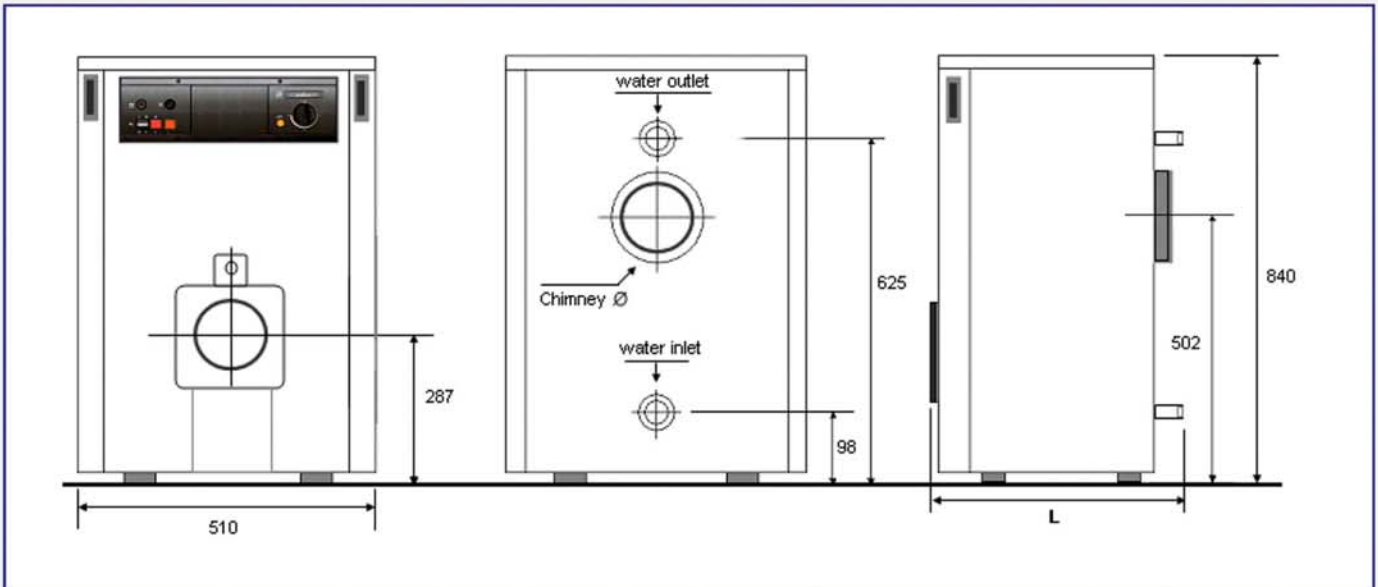
*D series
29 - 78 kW*



- three - pass design*
- high efficiency*
- cast iron sections*



Dimensions :



D series cast iron boilers heat transfer surface area is enlarged with the special wings in chimney ways and combustion area . With special designed flame delay turbulators , maximum heat is transferred to the water in the sections for gaining high efficiency.

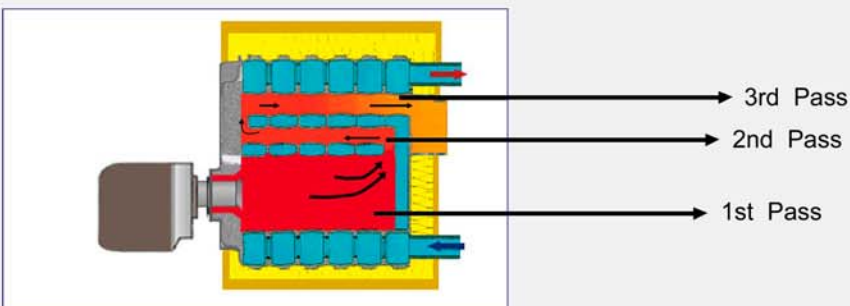
Sections are produced with flexible casting technique , EN GJL 200 special cast iron alloy , which gives high resistance against corrosion and thermal expansions.

D series boilers produce more energy with less fuel by its high efficiency and perfect heat isolation.

Burning gases move three times in the boiler with the help of three pass cast iron sections and this minimizes the chimney gas output temperature.

Installation, operation and controls can easily be done with the help of both side opening burner door.

Boilers can easily be delivered and installed to the boiler room as it is delivered completely assembled.



Technical Data :

| Model | | | D 03 | D 04 | D 05 | D 06 | D 07 | D 08 |
|--|--|------------------|--------------------------------------|-------------|------------|-------------|-------------|-------------|
| Number Of Sections | | Pcs. | 3 | 4 | 5 | 6 | 7 | 8 |
| 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 |
| Heat Input | | kW | 31,6 | 42,3 | 53,6 | 63,8 | 74,5 | 85,3 |
| Operating Temperature | | max °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 | | Max. bar | 4 | | | | | |
| Boiler Water Content | | Litres | 13,74 | 17,38 | 21,02 | 24,66 | 28,30 | 31,94 |
| | | m³ | 0,0137 | 0,0174 | 0,0210 | 0,0247 | 0,0283 | 0,0319 |
| Exit Flue Connection Diameter | | mm | 130 | | | 150 | | |
| Combustion Chamber Dimensions | | ø | 290 | | | | | |
| | | L | 280 | 380 | 480 | 580 | 680 | 780 |
| Water Input - Output Connection | | DN (") | G 1 ¼ " | | | | | |
| Gas Volume Of the Boiler | | dm³ (lt.) | 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 | | dm³ (lt.) | 16,94 | 23,38 | 29,82 | 36,26 | 42,70 | 49,14 |
| | | m³ | 0,017 | 0,023 | 0,030 | 0,036 | 0,043 | 0,049 |
| Safety Temperature Limiter | | °C | 100 | | | | | |
| Boiler Type | | | ON / OFF | | | | | |
| Fuel Type | | Gas | Natural Gas (I2H) | | | | | |
| | | Liquid F. | Liquid Fuel (Extra Light Heat Oil) | | | | | |
| Exit Flue Gas Temperature | | Full Load °C | 181 - 187 | 175 - 185 | 170 - 182 | 169 - 181 | 167 - 180 | 163 - 176 |
| | | Part Load °C | 160 - 163 | 157 - 160 | 155 - 157 | 152 - 155 | 146 - 150 | 143 - 147 |
| Exit Flue Gas Mass Flow (%13 CO ₂) % 60 | | Full Load kg / h | 49 | 65 | 82 | 98 | 115 | 131 |
| | | Part Load kg / h | 29,215 | 39,148 | 49,081 | 59,015 | 68,948 | 78,881 |
| Burner Type | | | Short Barrel | | | | | |
| Burner Flange Connection Dimension | | mm | 106 | | | | | |
| Standby Loss | | % | 0,25 | 0,23 | 0,20 | 0,17 | 0,15 | 0,13 |
| | | kCal/h | 678 | 835 | 907 | 926 | 956 | 948 |
| Boiler Length (L) | | mm | 540 | 640 | 740 | 840 | 940 | 1.040 |
| Dry Weight | | Kg. | 148 | 175 | 202 | 229 | 256 | 283 |
| CE - Registration Number | | | CE - 1015 B-30-00670-07 | | | | | |

Three draught design forces the flue gas to circulate inside the body of the boiler three times before the chimney exit, transferring all usefull energy to the water inside the sections . The optimized combustion chamber combined with perfect heat insulation provides maximum fuel efficiency.


heating systems

Önmetal 

Address:

Ikitelli Organize Sanayi Bolgesi 17. cadde

No: 5 34670 ISTANBUL

TURKEY

Tel : +90 212 4854874 pbx.

Fax : +90 212 4854873

info@onmetal.com.tr info@rima.com.tr

www.onmetal.com.tr www.rima.com.tr