



B BONGIOANNI

EM

CAST IRON BOILERS



- High Quality
- High Efficiency
- Low Emissions
CO-NOx
- Three pass sectional
boilers
- GG 20 corrosion
resistant cast iron
- Test pressure 8 bar
- Operating pressure
6 bar



CE1783

EM

Professional

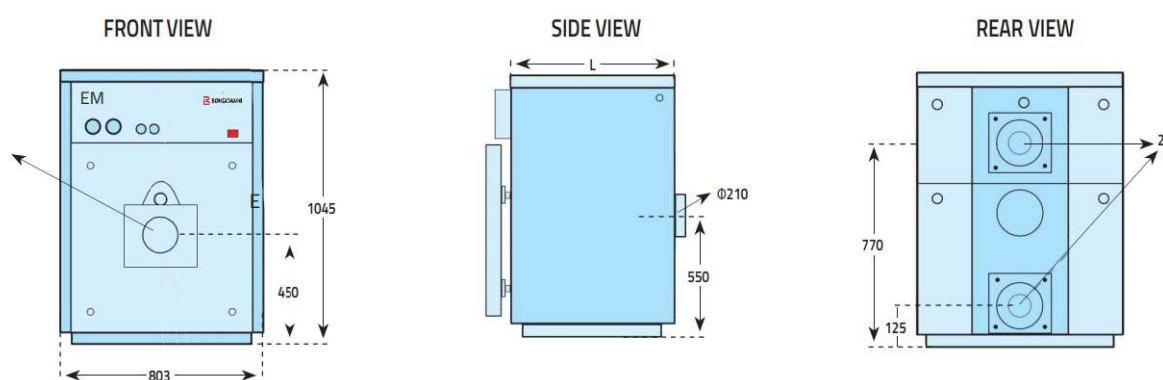
EM

Cast Iron Boilers

Main features

- The EM boiler is a modern, ultra-high pressure cast-iron boiler, with a 3-pass flue circulation system, with power-enhancement abilities, additional performance sections from 145 to 450 kW.
- It is constructed from high-quality cast iron, low in phosphate, which provides boilers with very high longevity.
- Sliding door, insulated with Fiber-Ceramics, high-resistant and rotating on heavy-duty steel metal impellers.
- Pre-wired boiler control panel, with heat-resistant terminal strip.
- The combustion chamber is cylindrical, designed for a balanced distribution of expansion-contraction pressures.
- Toxoid holes, for the rest of the pipes, positioned circumferentially of the combustion chamber.
- The boiler's combustion chamber and gas paths include big, air-cooled fins for NOx reduction and faster absorption of flame radiation.
- Turbines in the 2nd and 3d pipes, made of fireproof steel.
- 3D generation covers, with integrated hooks for easy assembly which correspond to matching grooves, painted in double electrostatic powder paint.
- Rear high-flow mirror.
- The boiler's construction, energy efficiency and emissions meet the requirements of the European standards EN304, EN303-1, EN303-2, 267+A1, EN303.03+676A2.

Technical drawing and dimensions



Technical data

Type	N° of Sections	Power		Weight	Res/nce	Hydraulic Connection	Flue Gas	Length	Height	Width
		kW	kcal/h							
EM-5	5	145-162	125.000-140.000	609	9	2"	210	875	1045	803
EM-6	6	184-202	158.200-173.700	711	16	2"	210	1008	1045	803
EM-7	7	221-242	190.000-208.000	813	20	2"	210	1141	1045	803
EM-8	8	259-283	223.000-244.000	915	23	2"	210	1274	1045	803
EM-9	7	300-329	258.000-282.900	1017	33	2"	210	1407	1045	803
EM-10	10	340-370	292.400-318.200	1119	39	2"	210	1540	1045	803
EM-11	11	380-410	326.800-352.600	1221	45	2"	210	1673	1045	803
EM-12	12	417-450	359.100-386.900	1323	37,5	2"	200	1806	1045	803

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DUEDI S.r.l.

Headquarters: Via Piave, 14 - 12011 Borgo San Dalmazzo (CN)
 Tel. + 39 0171 687816 - Fax + 39 0171 857008 - info@bongioanniclima.it
 www.bongioanniclima.it