

RGB-M-2250-DB, Electronic Modulating Gas Burner (Dual block configuration)

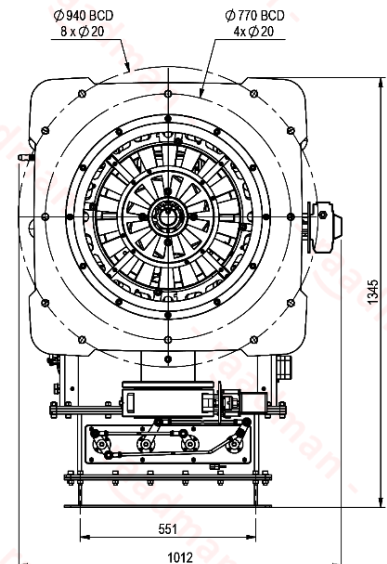
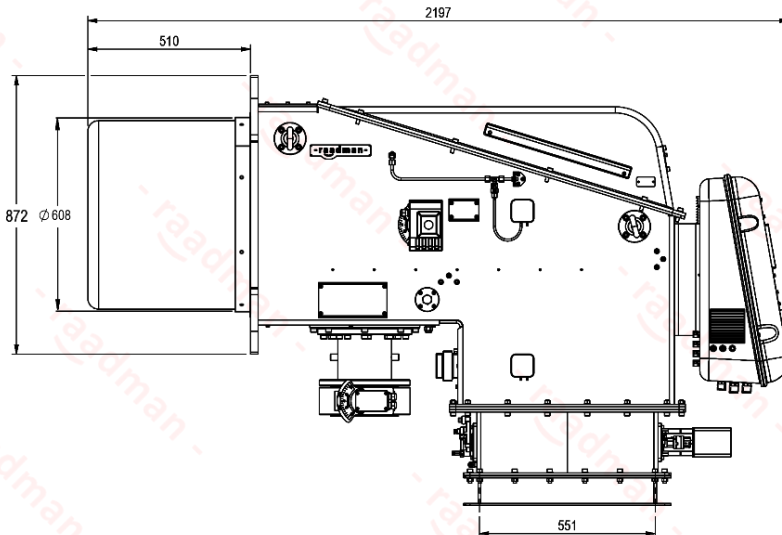
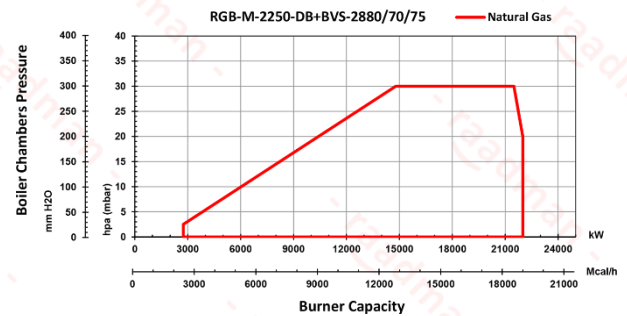
Specifications

- Electronic modulating burner with capacity of 2750-22000 kW on gas side ($275-2200 \text{ Nm}^3/\text{h}$ for G20), and turn down ratio of 1:8, and NOx class II.
 - Compatible with all types of combustion chambers according to EN-303 or BS-EN 12953 standards.
 - Suitable for fire tube, fire box, water tube boilers, etc.
 - The burner includes: mechanical components, burner head, flame tube, control panel, ignition devices, air pressure switches, Ignition transformers, valves and all necessary safety devices in the gaseous fuel lines.
 - Burner controller: AUTOFLAME MINI MK8/MK8 or SIEMENS LMV5 depends on the policy of the manufacturer based on the market availability or the customer's order.
 - The controller includes: main controller (PID controller), user interface, flame detector, actuators.
 - Burner ventilation system with $25800 \text{ m}^3/\text{h}$ capacity and 65 millibar supply pressure.
 - The BVS includes: Fan motor, mechanical components, FGR (optional) and sound proofing material for further reduction in sound level (optional).
 - The RMS includes: Inverter, fan, Emergency switch, Compact switch MCCB (optional) and electrical components for power system.
 - The gas train includes: filter, regulator, main and safety valve, pressure gauges, maximum pressure switch, minimum and leak test pressure switch, pilot regulator, pilot valves, butterfly valve, (All according to BS-EN 676).
- The recommended gas trains are offered in two types:
- DN125 Multi-block low-pressure gas train (inlet pressure of 326-500 mbar).
 - DN100 Multi-block high-pressure gas train (inlet pressure of 2-4 bar).
- Advantages: optimal design, high modulating ratio, valve proving system, communication with external systems via Bus, rail system for ergonomic servicing of the mixing assembly, ease of installation and maintenance.
 - Optional ability: running with FGR (Flue Gas Recirculation) in order to further reduction in NOx level, variable speed drive, running with O_2 and CO sensors (plus CO_2 , NO, NO_2 , and SO_2 sensors with AUTOFLAME controller), LPG fuel compatibility with LPG nozzle kits.



More information

- BVS motor: 75 kW, 3 Phase, 380-400 Volt, 50 Hz, 2900 rpm
 - Operating ambient temperature: $5-60^\circ\text{C}$
 - Maximum combustion air temperature: 60°C
 - Casing insulation class: IP43
 - Combustion block weight: $521\text{kg} \pm 1\%$
 - Combustion block Packing dimensions (L x W x H): $\sim 2400 \times 1200 \times 1486 \text{ mm}$
- Reference conditions: Ambient temperature 20°C - Gas temperature 15°C - Barometric pressure 1013 mbar - Altitude 0 m (According to BS-EN 676)



- Suggested boiler flange diameter = 620 mm

Certifications

- Certified in EAEU countries standard No. 0378484.
- Certified in Iran national standard ISIRI-7595 (BS-EN 676).



Scan to access:
 Technical proposal
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