

RLGB-M/M-505/LN, Low NOx Electronic Modulating Dual Fuel Burner

Specifications

- Electronic modulating burner with capacity of 700-5100 kW on gas side (70-510 Nm³/h for G20), and turn down ratio of 1:7, and NOx class III.
- Electronic modulating burner with capacity of 1020-5100 kW on light oil side (86-430 kg/h), and turn down ratio of 1:5, 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, low NOx burner head designed for emission reduction, flame tube, air fan, light oil delivery system, control panel, ignition devices, valves and all necessary safety devices in the gaseous and light oil fuel lines.
- Burner controller: AUTOFLAME MINI MK8 (in burner/boiler package), or SIEMENS LMV2/3 depends on the policy of the manufacturer based on the market availability or the customer's order.
- The controller includes: main controller (PID controller), load control module, dual fuel module, user interface, flame detector, actuators.
- The gas train includes: filter, regulator, main and safety valve, pressure gauges, maximum pressure switch, minimum and leak test pressure switch (All according to BS-EN 676).

The recommended gas trains are offered in two types:

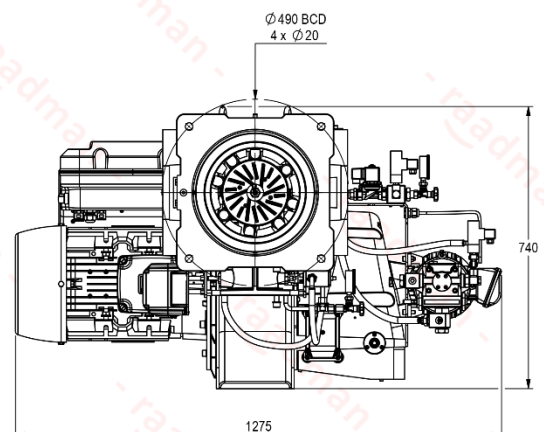
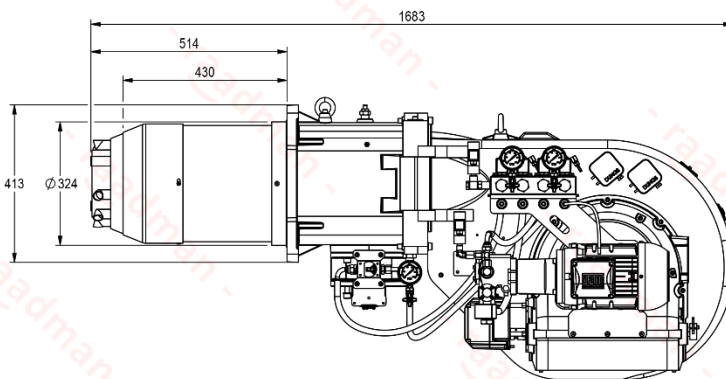
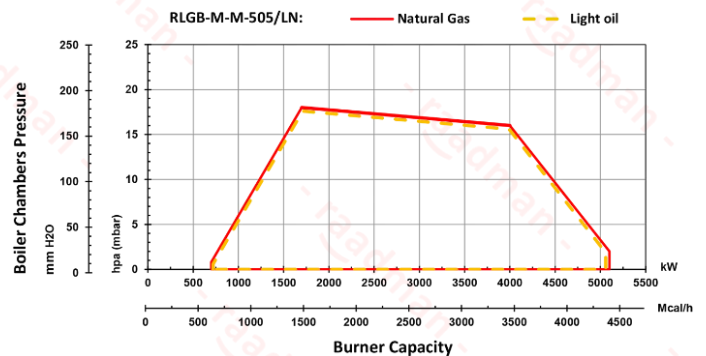
- DN65 separate low-pressure gas train (Inlet pressure of 228-360 mbar).
 - DN65 separate high-pressure gas train (Inlet pressure of 1.5-4 bar).
- Light oil delivery system includes: separate motor for oil pump, pump with pressure regulating valve, double main and safety solenoid valve in feeding line and double main and safety solenoid valve in return line, pressure regulator, minimum and maximum oil pressure switch, pressure gauge in feeding line, burner gun, flyback nozzle (All according to BS-EN 267).
- Advantages: optimal design, high modulating ratio, independent oil motor and air motor, silent operation, valve proving system, communication with external systems via Bus, the ability to open from the hinge to both sides and ease of installation and maintenance.
- Optional ability: running with FGR (Flue Gas Recirculation) in order to further reduction in NOx level, variable speed drive (VSD), running with O₂ and CO sensors (plus CO₂, NO, NO₂, and SO₂ sensors with AUTOFLAME controller), LPG fuel compatibility with LPG nozzle kits.



More information

- Fan motor: 11 kW, 3 Phase, 380-400 Volt, 50 Hz, 2900 rpm
- Light oil fuel pump motor: 1.5 kW, 380-400 Volt, 50 Hz, 2890 rpm.
- Operating ambient temperature: 5-60°C
- Maximum combustion air temperature: 60°C
- Noise emission level: 82 dB in 1.5-meter distance
- Casing insulation class: IP43
- Net weight: ~265 kg
- Packing dimensions (L x W x H): ~1870 x 1390 x 870 mm

Reference conditions: Ambient temperature 20°C - Gas temperature 15°C
- Barometric pressure 1013 mbar - Altitude 0 m (According to BS-EN 676 and BS-EN 267).



- Suggested boiler flange diameter = 335 mm

Certifications

- Certified in EAEU countries standard No.0378483.
- Certified in EAEU countries standard No. 0378484.
- Certified in Iran national standard ISIRI-7594 (BS-EN 267).
- Certified in Iran national standard ISIRI-7595 (BS-EN 676).



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