



## BGN 250 DSPGNME 50Hz

Code: 16790020

Series: BGN DSPGN ME

### Technical and functional features

- Two-stage progressive output operation.
- Ability to operate with output modulation by means of automatic RWF40 regulator mounted on the control panel (order separately with the specific modulation kit).
- Compatible with any type of combustion chamber.
- Air-gas mixing at blast-pipe.
- Ability to obtain optimal combustion values by regulating combustion air and blast-pipe.
- Maintenance facilitated by the fact that the mixing unit can be removed without having to remove the burner from the boiler.
- Minimum and maximum air flow regulation for first and second stage by means of electric servomotor with pause closure of gate to prevent any heat dispersion to flue.
- Tightness gas valve control, EN676.
- Comes with 1 flange and 1 insulating seal to connect the burner to the application.

### Design features

- Light aluminium alloy fan part.
- High performance centrifugal fan.
- Air intake with butterfly gate for the regulation of the air combusting flow rate.
- Sliding boiler coupling flange to adapt the head protrusion to the various types of boilers.
- Adjustable blast-pipe with stainless steel nozzle and deflector disk in steel.
- Flame viewer.
- Three-phase electric motor to run fan.
- Air pressure switch to ensure the presence of combustion air.
- Electric servo step motors for simultaneous control of combustion air and fuel.
- Gas train complete with control, operating and safety valve, valve tightness control, minimum pressure switch, pressure regulator and gas filter.
- Microchip sequence controller (electronic cam), built-in valve tightness control and eBus connection - EN 298..
- Operating sequence, modulating ratio, lockout fault code display.
- Flame scanning by ionisation electrode.
- Synoptic control panel with led of operation and block and burner off, block indicators, keyboard for electronic cam pianification.
- 7 poles plug for the auxiliary feeding and for the thermostatic connection, presa a 4 poli per il collegamento del regolatore elettronico di potenza.
- Electrical plant protection rating IP40.

### Technical Data - BGN 250 DSPGNME 50Hz:

|                                   |      |      |
|-----------------------------------|------|------|
| Minimum Rated output              | 490  | kW   |
| Maximum Rated output              | 2500 | kW   |
| Minimum gas flow rate             | 49   | m3/h |
| Maximum gas flow rate             | 251  | m3/h |
| Motor rated power                 | 7.5  | kW   |
| Electric Power Supply Phase       | 3    | N    |
| Electric Power Supply Frequency 1 | 50   | Hz   |

|                               |      |    |
|-------------------------------|------|----|
| Electric Power Supply Current | AC   |    |
| Electric Power Supply Voltage | 400  | V  |
| Width                         | 875  | mm |
| Depth                         | 1850 | mm |
| Weight                        | 178  | kg |
| Pack Width                    | 2030 | mm |
| Pack Height                   | 990  | mm |
| Package depth                 | 1210 | mm |
| Weight of Packaging           | 249  | kg |