



## BTG 28 ME 50Hz

Code: 17160020

Series: BTG 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 (to be ordered separately with the 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.
- Combustion head at partial recycle of combusting gas which allow to achieve low Nox emissions (Class II for BTG 15 ME and class III for BTG 20 ME of the european norm EN267).
- Capacity regulation of the combusting air with automatic closing gate during pause to avoid heat losses at the chimney.
- Maintenance facilitated by the fact that the mixing unit can be removed without having to remove the burner from the boiler.
- With valves seal control device added.
- Comes with 4 and 7-poles connectors, 1 flange and 1 insulating seal to connect the burner to the application.

### Design features

- Light die-cast aluminium ventilation unit.
- 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.
- Monophase electric motor to run fan.
- Air pressure switch to ensure the presence of combustion air.
- Regulation of the air combusting flow rate by means of an electric pitch-pitch servomotor.
- Gas train composed of: Butterfly valve commanded by electric step-by-step servomotor. Single block valve including operating and safety valve. Minimum pressure switch/valve seal control, pressure control 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.
- Ionisation electrode flame scanner.
- 7-pole outlet for burner electrical and thermostat connections, and 4-pole outlet for second stage control. or of the capacity electronic regulator.
- Electrical plant protection rating IP40.
- Sound-proof plastic protective cover.

### Technical Data - BTG 28 ME 50Hz:

|                             |      |                   |
|-----------------------------|------|-------------------|
| Minimum Rated output        | 80   | kW                |
| Maximum Rated output        | 280  | kW                |
| Minimum gas flow rate       | 8    | m <sup>3</sup> /h |
| Maximum gas flow rate       | 28.2 | m <sup>3</sup> /h |
| Motor rated power           | 0.18 | kW                |
| Electric Power Supply Phase | 1    | N                 |

|                                   |     |    |
|-----------------------------------|-----|----|
| Electric Power Supply Frequency 1 | 50  | Hz |
| Electric Power Supply Current     | AC  |    |
| Electric Power Supply Voltage     | 230 | V  |
| Width                             | 303 | mm |
| Depth                             | 695 | mm |
| Weight                            | 17  | kg |
| Pack Width                        | 780 | mm |
| Pack Height                       | 410 | mm |
| Package depth                     | 370 | mm |
| Weight of Packaging               | 18  | kg |