



TBG 80 LX PN 50Hz

Code: 17520010

Series: TBG LX PN

Technical and functional features

- Low NOx and CO gas-fired burners, EN676 "Classe III".
- Two-stage progressive/modulating 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).
- Gas adjustment by proportional working pneumatically controlled valve.
- Compatible with any type of combustion chamber, according to EN303 standard..
- Partial combustion gas recirculation blast-pipe with low NOx emissions (class III).
- High blowing efficiency, low electrical input, low noise.
- Ambidextrous hinged combustion head allowing an easy maintenance access without removing the burner from the boiler..
- Air capacity adjustment with linear opening controlled by electric servo motor.
- Automatic closure of the air damper during stand-by..
- Fan speed adjustment in relation to changes in burner demand provided by means of inverter, to obtain a significant reduction in noise levels and electricity consumption (version V only).
- Electrical panel that connects by 4 and 7 pole plugs/sockets provided.
- Electrical panel with protection rating of IP 55.
- Sliding boiler coupling flange to adapt to the head protrusion of the various types of boilers.
- Gas train inlet can be mounted either upward or downward.

Design features

- Light die-cast aluminium alloy volute.
- Centrifugal fan in light aluminum alloy.
- Three-phase light aluminum alloy electric motor. .
- "V" execution: the fan electrical motor is controlled electronically by the motor speed controller.
- Combustion air input with sound insulation and designed for optimal air damper opening linearity.
- Light die-cast aluminium alloy electrical panel.
- Built-in PCB into the control panel .
- Control panel with display diagram for working mode with indication lights, start/stop switch, automatic/manual mode selector, minimum/maximum selector and enabled for installation of RWF40 regulator.
- Electronic sequence controller with diagnostic lamps - EN 298..
- Ionizer electrode flame detection.
- Gas train gas with safety valve and pneumatically activated proportional working, minimum pressure switch, pressure regulator and gas filter.
- Error proof connectors for gas train electrical supply.

Technical Data - TBG 80 LX PN 50Hz:

Minimum Rated output	130	kW
Maximum Rated output	800	kW
Minimum gas flow rate	13.1	m3/h
Maximum gas flow rate	80	m3/h
Motor rated power	1.1	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	645	mm
Height	520	mm
Depth	1230	mm
Weight	57	kg
Pack Width	1080	mm
Pack Height	700	mm
Package depth	770	mm
Weight of Packaging	78	kg