

# NEW

## TBG... LX PN

From 110 to 2000 kW



Two-stage  
progressive/modulating  
gas burners  
with low pollutant emissions



Low NOx

Conform to:  
Gas Directive 90/396/CEE  
E.M.C. Directive 89/336/CEE  
L.V. Directive 73/23/CEE  
Reference standard: EN676



Available with "V" inverter execution

### PLUS

- Low NOx and CO emissions gas burner compliant with European standard EN676 "Classe III".
- Easy maintenance thanks to the two-sides opening flange .
- Gas train inlet can be mounted either upward or downward.
- Dynamic control of modulation.
- Electrical panel with protection rating of IP 55.
- Available with inverter execution.

### TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- Low NOx and CO emissions gas burner compliant with European standard 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 (to be ordered separately with the modulation kit).
- Gas adjustment by pneumatic air/gas ratio operation valve.
- Suitable for operation with any type of combustion chamber, according to standard EN 303.
- Partial combustion gas recirculation blast-pipe with low NOx emissions (class III).
- High ventilation efficiency, low electrical input, low noise.
- Hinge opening on both sides for easy access to the combustion head when burner is installed.
- Air capacity adjustment with linear opening controlled by electric servo motor.
- Air damper closing when burner does not work.
- 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 (standard accessories).
- Electrical panel with protection rating of IP 55.
- Sliding boiler coupling flange to adapt to head protrusion of the various types of boilers.
- Gas train inlet can be mounted either upward or downward.

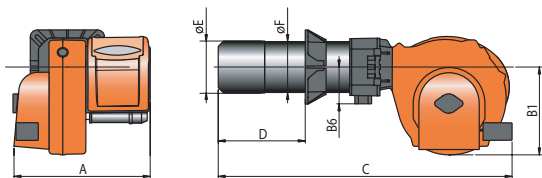
### CONSTRUCTION CHARACTERISTICS

The burner consists of:

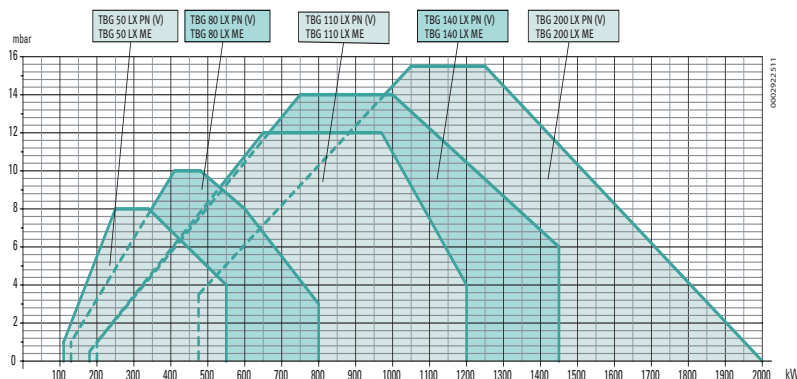
- Light die-cast aluminium alloy casing.
- Centrifugal fan, in light aluminium alloy, with onward vanes.
- Fan driven by light alloy three-phase electric motor.
- "V" execution: the fan electrical motor is controlled electronically by the motor speed controller.
- Combustion air input with sound insulation and designed for optimal air damper opening linearity.
- Light die-cast aluminium alloy electrical panel.
- Printed circuit electrical connections.
- Control panel with display diagram for working mode with indication lights, start/stop switch, automatic/manual mode selector, minimum/maximum selector and burner unblocking button; possibility to install RWF 40 electronic modulator.
- Electronic control box compliant with standard EN298, with running faults detection.
- Ionizer electrode flame detection.
- Gas train with safety valve and pneumatic air/gas ratio valve, minimum pressure switch, pressure regulator and gas filter.
- Intelligent connectors for burner/train (error proof).

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Model	A mm	B 1 mm	B 6 mm	C mm	D mm	E mm	F mm
TBG 50 LX PN	645	380	160	1230	175 ÷ 400	161	159
TBG 50 LX PN V	645	380	160	1230	175 ÷ 400	161	159
TBG 80 LX PN	645	380	160	1230	175 ÷ 400	180	178
TBG 80 LX PN V	645	380	160	1230	175 ÷ 400	180	178
TBG 110 LX PN	645	380	160	1230	175 ÷ 400	161	159
TBG 110 LX PN V	645	380	160	1230	175 ÷ 400	161	159
TBG 140 LX PN	645	380	160	1280	200 ÷ 450	240	219
TBG 140 LX PN V	645	380	160	1280	200 ÷ 450	240	219
TBG 200 LX PN	645	380	160	1280	200 ÷ 450	250	219
TBG 200 LX PN V	645	380	160	1280	200 ÷ 450	250	219



Thermal output kW	Model	Code	Electrical supply	Motor kW	Size of packaging L x P x H mm	Weight kg
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### Frequency 50 Hz

110 ÷ 550	TBG 50 LX PN	17450010	3N AC 50Hz 400V	0,55	1080 x 770 x x700	76
110 ÷ 550	TBG 50 LX PN V	17450015	3N AC 50Hz 400V	0,55	1080 x 770 x x700	79
130 ÷ 800	TBG 80 LX PN	17520010	3N AC 50Hz 400V	1,10	1080 x 770 x x700	78
130 ÷ 800	TBG 80 LX PN V	17520015	3N AC 50Hz 400V	1,10	1080 x 770 x x700	81
180 ÷ 1200	TBG 110 LX PN	17590010	3N AC 50Hz 400V	1,5	1080 X 770 X 700	87
180 ÷ 1200	TBG 110 LX PN V	17590015	3N AC 50Hz 400V	1,5	1080 X 770 X 700	90
200 ÷ 1450	TBG 140 LX PN	17660010	3N AC 50Hz 400V	2,2	1080 x 770 x 700	91
200 ÷ 1450	TBG 140 LX PN V	17660015	3N AC 50Hz 400V	2,2	1080 X 770 X 700	94
475 ÷ 2000	TBG 200 LX PN	17730010	3N AC 50Hz 400V	3,0	1080 X 770 X 700	94
475 ÷ 2000	TBG 200 LX PN V	17730015	3N AC 50Hz 400V	3,0	1080 X 770 X 700	97

### Frequency 60 Hz

110 ÷ 550	TBG 50 LX PN	17455410	3N AC 60Hz 400V	0,55	1080 x 770 x x700	76
110 ÷ 550	TBG 50 LX PN V	17455415	3N AC 60Hz 400V	0,55	1080 x 770 x x700	79
130 ÷ 800	TBG 80 LX PN	17525410	3N AC 60Hz 400V	1,10	1080 x 770 x x700	78
130 ÷ 800	TBG 80 LX PN V	17525415	3N AC 60Hz 400V	1,10	1080 x 770 x x700	81
180 ÷ 1200	TBG 110 LX PN	17595410	3N AC 60Hz 400V	1,5	1080 X 770 X 700	87
180 ÷ 1200	TBG 110 LX PN V	17595415	3N AC 60Hz 400V	1,5	1080 X 770 X 700	90
200 ÷ 1450	TBG 140 LX PN	17665410	3N AC 60Hz 400V	2,2	1080 X 770 X 700	91
200 ÷ 1450	TBG 140 LX PN V	17665415	3N AC 60Hz 400V	2,2	1080 X 770 X 700	94
475 ÷ 2000	TBG 200 LX PN	17735410	3N AC 60Hz 400V	3,5	1080 X 770 X 700	94
475 ÷ 2000	TBG 200 LX PN V	17735415	3N AC 60Hz 400V	3,0	1080 X 770 X 700	97



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Data reported in this brochure shall be considered as indicative;  
Baltur reserves the right to change them without previous notice.