

kW **560 - 7500**SERIES **TBG**

CE 0085

CONFORM TO: GAS DIRECTIVE 2009/142/CE | E.M.C. DIRECTIVE 2014/30/UE | L.V. DIRECTIVE 2014/35/UE |
MACHINERY DIRECTIVE 2006/42/CE | REFERENCE STANDARD EN676.

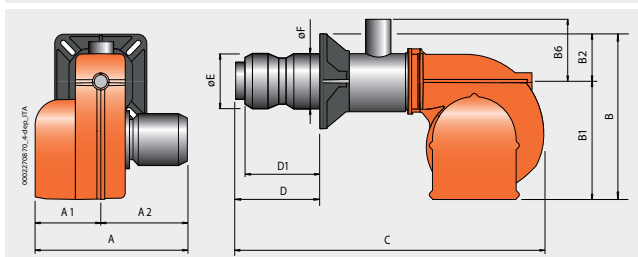
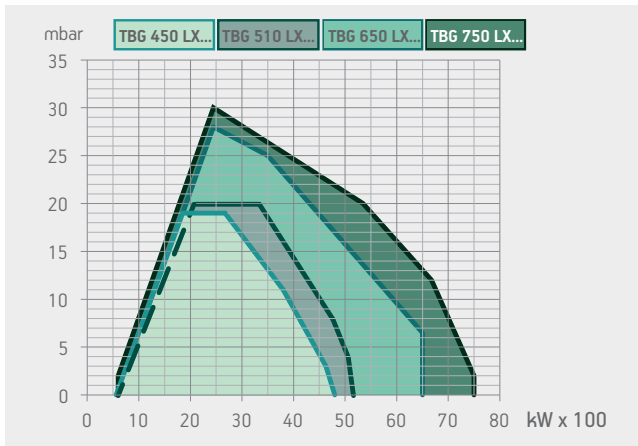


TBG 750 LX MC

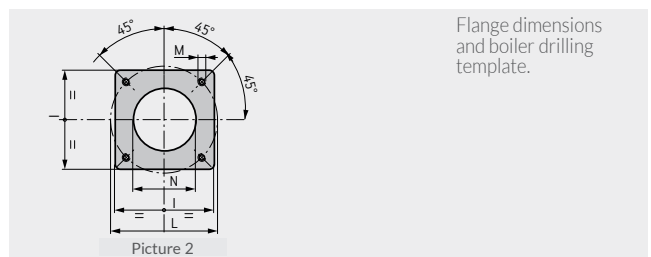


TBG 750 LX ME

	TBG 750 LX MC	TBG 750 LX ME	TBG 750 LX ME V	TBG 750 LX ME V O ₂	TBG 750 LX ME V CO
Gas burner compliant with European standard EN676. Operation:	mechanical two-stage progressive	electronic two-stage progressive	modulating electronic	modulating electronic	modulating electronic
Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe).	•	•			
Modulation ratio:	1:12	1:12	1:12	1:12	1:12
Low NOx and CO emissions gas burner according to European standard EN676:	class 3	class 3	class 3	class 3	class 3
Adjusting the combustion head.	•	•	•	•	•
Maintenance facilitated by the possibility of removing the mixing unit without having to remove the burner from the boiler.	•	•	•	•	•
Fixed boiler coupling flange.	•	•	•	•	•
Easy maintenance thanks to the two-sides hinge which allows the removal of the combustion head without having to remove the burner from the boiler.	•	•	•	•	•
Combustion air intake with butterfly valve. Air flow adjustment:	mechanical cam	electric servomotor	electric servomotor	electric servomotor	electric servomotor
Fully closing air damper on shutdown to avoid loss of heat through the chimney.	•	•	•	•	•
Device made of sound-absorbing material to reduce fan noise.	•	•	•	•	•
Adjustment of fan revolutions according to working stage by means of a frequency converter in order to reduce noise and electric consumption.			•	•	•
Residual oxygen (O ₂) monitoring in the fumes in order to maintain an optimal air/fuel ratio and ensure increased performance.				•	
Residual oxygen (O ₂) and carbon monoxide (CO) and monitoring of oxidizing components (H ₂) in fumes to ensure increased performance and less atmospheric pollution.					•
CE version gas train is complete with butterfly valve, operation and safety valve with electromagnetic drive, valve tightness control, minimum and maximum pressure switch, pressure regulator and gas filter.	•	•	•	•	•
Fail proof connectors for burner/gas train connection.	•	•	•	•	•
Gas train outlet:	up/down	up/down	up/down	up/down	up/down
Flame detection by ionisation electrode with connector for microamperometer.	•	•	•	•	•
Control panel with display diagram for working mode with indication lights.	•				
Control panel equipped either with display showing the working process and with the keyboard for the burner adjustment.		•	•	•	•
Electric protection rating:	IP54	IP54	IP54	IP54	IP54



Model	Size of packaging			Weight kg
	L	P	H	
	mm			
TBG 750 LX MC	1500	1300	970	310
TBG 750 LX ME	1500	1300	970	310
TBG 750 LX ME V	1500	1300	970	330
TBG 750 LX ME V O2	1500	1300	970	342
TBG 750 LX ME V CO	1500	1300	970	354



Model	A mm	A1 mm	A2 mm	B mm	B1 mm	B2 mm	B6 mm	C mm	D mm	D1 mm	E mm	F mm	I mm	L mm	M mm	N mm	Pic.
TBG 750 LX MC	1180	530	650	810	525	285	295	1800	650	547 ÷ 597	397	410	480	520 ÷ 600	M20	415	2
TBG 750 LX ME	1180	530	650	810	525	285	295	1850	650	547 ÷ 597	397	410	480	520 ÷ 600	M20	415	2
TBG 750 LX ME V	1180	530	650	810	525	285	295	1850	650	547 ÷ 597	397	410	480	520 ÷ 600	M20	415	2
TBG 750 LX ME V O2	1180	530	650	810	525	285	295	1850	650	547 ÷ 597	397	410	480	520 ÷ 600	M20	415	2
TBG 750 LX ME V CO	1180	530	650	810	525	285	295	1850	650	547 ÷ 597	397	410	480	520 ÷ 600	M20	415	2

	Inverter	O ₂	CO	Emissions class	Thermal output kW	Model	Part no.	Electrical supply kW	Motor	Note
Frequency 50 Hz										
NEW				class 3	600 ÷ 7500	TBG 750 LX MC	18190010	3N AC 50Hz 400V	18,5	4)
NEW				class 3	600 ÷ 7500	TBG 750 LX ME	18200010	3N AC 50Hz 400V	18,5	4)
NEW	•			class 3	600 ÷ 7500	TBG 750 LX ME V	18200015	3N AC 50Hz 400V	18,5	4) 10)
NEW	•	•		class 3	600 ÷ 7500	TBG 750 LX ME V O2	18200016	3N AC 50Hz 400V	18,5	4) 10)
NEW	•	•	•	class 3	600 ÷ 7500	TBG 750 LX ME V CO	18200017	3N AC 50Hz 400V	18,5	4) 10)
Frequency 60 Hz										
NEW				class 3	600 ÷ 7500	TBG 750 LX MC	on request	3N AC 60Hz 380V	18,5	4)
NEW				class 3	600 ÷ 7500	TBG 750 LX ME	on request	3N AC 60Hz 380V	18,5	4)
NEW	•			class 3	600 ÷ 7500	TBG 750 LX ME V	on request	3N AC 60Hz 380V	18,5	4) 10)
NEW	•	•		class 3	600 ÷ 7500	TBG 750 LX ME V O2	on request	3N AC 60Hz 380V	18,5	4) 10)
NEW	•	•	•	class 3	600 ÷ 7500	TBG 750 LX ME V CO	on request	3N AC 60Hz 380V	18,5	4) 10)

TO COMPLETE THE BURNER

DESCRIPTION
TBG 750 ME V: modulating probe for LCM 100 (see page 294)

MODULATING MODE

DESCRIPTION	PART NO.
TBG 750 MC: modulation kit	98000055
TBG 750 ME: modulation kit	98000059
TBG 750 MC/750 ME: modulating probe (see page 294)	

NOTES

- 4 Equipped with air closure device.
 10 Inverter supplied separately, not included on the machine.
 Net calorific value at reference conditions of 0°C, 1013mbar:
 Natural gas: Hi = 35,80 MJ/m³ = 8550 kcal/m³,
 For different type of gas and pressure values, please get in contact with our commercial department.

ACCESSORIES AVAILABLE ON REQUEST

DESCRIPTION	PART NO.
Soundproof burner cover (see page 299)	97980058

GAS BURNERS ACCESSORIES

Boiler coupling kit.
