

kW **500 - 3600**SERIES **TBG**

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.

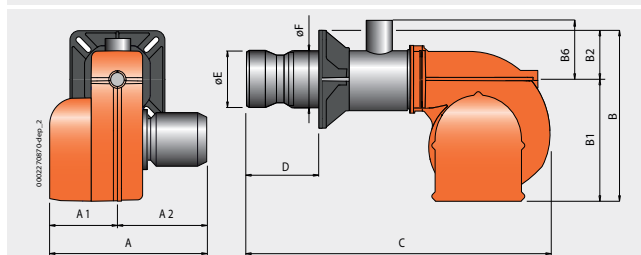
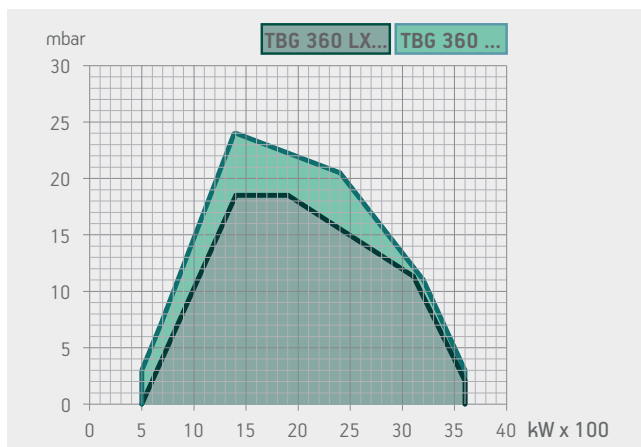


TBG 360 LX MC

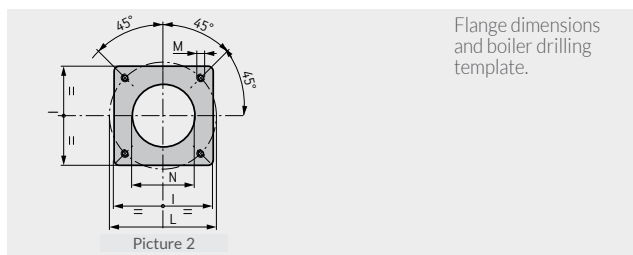


TBG 360 LX ME

	TBG 360 LX MC	TBG 360 LX ME	TBG 360 LX ME V	TBG 360 LX ME V O2	TBG 360 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:	1:7	1:7	1:7	1:7	1:7
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.	•	•	•	•	•
High ventilation efficiency, low electrical input, low noise.	•	•	•	•	•
Sliding boiler coupling flange to adapt the blast-pipe to the various types of boilers.	•	•	•	•	•
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 pressure switch, pressure regulator and gas filter.	•	•	•	•	•
Fail proof connectors for burner/gas train connection.	•	•	•	•	•
Gas train outlet:	up	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:	IP44	IP40	IP40	IP40	IP40



Model	Size of packaging			Weight kg
	L	P	H	
	mm			
TBG 360 LX MC	1070	870	810	119
TBG 360 LX ME	1070	870	810	119
TBG 360 LX ME V	1730	1030	880	136
TBG 360 LX ME V O2	1730	1030	880	148
TBG 360 LX ME V CO	1730	1030	880	160



Model	A mm	A1 mm	A2 mm	B mm	B1 mm	B2 mm	B6 mm	C mm	D mm	E mm	F mm	I mm	L mm	M mm	N mm	Pic.
TBG 360 LX MC	820	400	420	610	390	220	235	1250	200 ÷ 450	270	219	320	310 ÷ 370	M12	275	2
TBG 360 LX ME	820	400	420	590	390	160	235	1350	200 ÷ 450	270	219	320	310 ÷ 370	M12	275	2
TBG 360 LX ME V	850	400	450	590	390	160	235	1350	200 ÷ 450	270	219	320	310 ÷ 370	M12	275	2
TBG 360 LX ME V O2	850	400	450	590	390	160	235	1350	200 ÷ 450	270	219	320	310 ÷ 370	M12	275	2
TBG 360 LX ME V CO	850	400	450	590	390	160	235	1350	200 ÷ 450	270	219	320	310 ÷ 370	M12	275	2

	O ₂	CO	Emissions class	Thermal output kW	Model	Part no.	Electrical supply kW	Motor	Note
Frequency 50 Hz									
			class 3	500 ÷ 3600	TBG 360 LX MC	17960010	3N AC 50Hz 400V	7,5	3) 4)
			class 3	500 ÷ 3600	TBG 360 LX ME	17950010	3N AC 50Hz 400V	7,5	3) 4)
			class 3	500 ÷ 3600	TBG 360 LX ME V	17950015	3N AC 50Hz 400V	7,5	3) 4)
			class 3	500 ÷ 3600	TBG 360 LX ME V O2	17950016	3N AC 50Hz 400V	7,5	3) 4)
			class 3	500 ÷ 3600	TBG 360 LX ME V CO	17950017	3N AC 50Hz 400V	7,5	3) 4)
Frequency 60 Hz									
			class 3	500 ÷ 3600	TBG 360 LX MC	17965410	3N AC 60Hz 380V	9,0	3) 4)
			class 3	500 ÷ 3600	TBG 360 LX ME	17955410	3N AC 60Hz 380V	9,0	3) 4)
			class 3	500 ÷ 3600	TBG 360 LX ME V	on request	3N AC 60Hz 380V	9,0	3) 4)
			class 3	500 ÷ 3600	TBG 360 LX ME V O2	on request	3N AC 60Hz 380V	9,0	3) 4)
			class 3	500 ÷ 3600	TBG 360 LX ME V CO	on request	3N AC 60Hz 380V	9,0	3) 4)

TO COMPLETE THE BURNER

DESCRIPTION

TBG 360 LX ME V: modulating probe for LCM 100 (see page 294)

MODULATING MODE

DESCRIPTION	PART NO.
TBG 360 LX MC: modulation kit	98000057
TBG 360 LX ME: modulation kit	98000059
TBG 360 LX MC/360 LX ME: modulating probe (see page 294)	

NOTES

3 Sound proof lid on burner air intake.

4 Equipped with air closure device.

Net calorific value at reference conditions of 0°C, 1013mbar:

Natural gas: Hi = 35,80 MJ/m³ = 8550 kcal/m³,

LPG: Hi = 92 MJ/m³ = 22000 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)	97980053
GAS BURNERS ACCESSORIES	
Boiler coupling kit, plug for wiring.	