

Burners

CODE 56730010

TBML 210 LX MC 50HZ



Burner with alternate methane gas/diesel fuel supply, EC approved according to European Directives EN676 and EN267. Gas side progressive two-stage operation, diesel side two-stage

Modulation ratio: gas 1:4, diesel 1:3

Gas burner with low NOx and CO emissions in accordance with European standard EN676: class 3.

Combustion head adjustment

Combustion air intake with throttle damper. Mechanical cam air flow adjustment.

Fully closing air damper on shutdown to avoid loss of heat through the chimney.

Maintenance facilitated by the possibility of removing the combustion head without having to remove the burner from the boiler.

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.

Device made of sound-absorbing material to reduce fan noise

CE version main gas train is complete with 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 exit: up

Flame detection by means of infrared IRD photocell

Control panel with display diagram for working mode with indication lights

Electrical system with protection rating IP40

Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe)

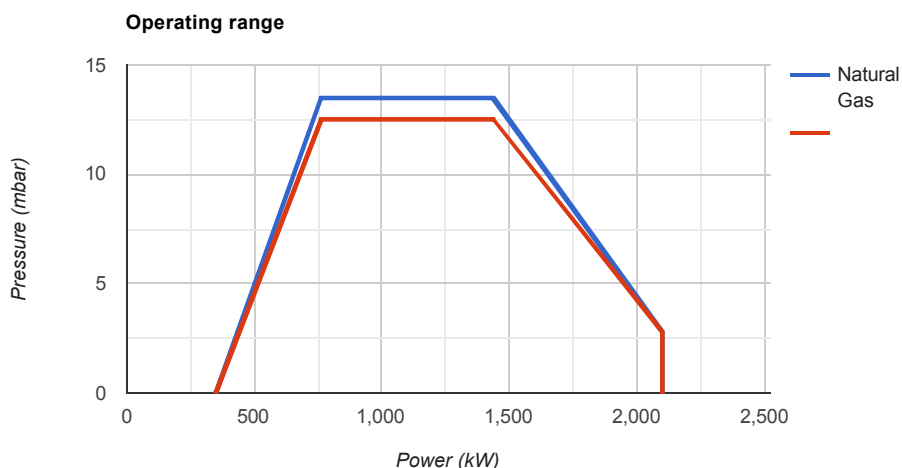
Burner with Low NOx and CO emissions on light oil according to European standard EN267: class 2

Pump connected to fan motor through electromagnetic clutch

Fuel supply circuit made of gear pump with pressure adjustment, shut-off valves and safety valve

Manual fuel switching

Operating range



Technical data

Tipo articolo	Burner with alternate methane gas/diesel fuel supply, EC approved according to European Directives EN676 and EN267. Gas side progressive two-stage operation, diesel side two-stage
Funzionamento modulante	Continuous modulation operation by installing P.I.D. controller in the control panel (to be ordered separately with modulation probe)
Rapporto Modulazione	Modulation ratio: gas 1:4, diesel 1:3
Emissioni Lato Gas	Gas burner with low NOx and CO emissions in accordance with European standard EN676: class 3.
Emissioni Lato Gasolio	Burner with Low NOx and CO emissions on light oil according to European standard EN267: class 2
Regolazione aria e testa	Combustion head adjustment
Regolazione aria	Combustion air intake with throttle damper. Mechanical cam air flow adjustment.
Chiusura aria	Fully closing air damper on shutdown to avoid loss of heat through the chimney.
Fuel	Metano
Operation	Modulante Meccanico
Minimum Thermal Power (kW) to ErP	350
Maximum Thermal Power (kW) to ErP	2100
Min flow rate (Sm ³ /H)	37
Max flow rate (Sm ³ /H)	222
Second Fuel Operation	Bistadio
Second Fuel Min Thermal Power (kW)	450
Second Fuel Max Thermal Power (kW)	2100
Manutenzione facilitata	Maintenance facilitated by the possibility of removing the combustion head without having to remove the burner from the boiler.
Min flow rate (kg/h)	38
Max flow rate (kg/h)	177
Max Viscosity (°E)	1,5
Flangia	Sliding boiler coupling flange to adapt the blast-pipe to the various types of boilers.
Cerniera	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.
Antirumore	Device made of sound-absorbing material to reduce fan noise
Gas Train	CE version main gas train is complete with operation and safety valve with electromagnetic drive, valve tightness control, minimum and maximum pressure switch, pressure regulator and gas filter
Connettore rampa gas	Fail proof connectors for burner/gas train connection

Uscita della rampa gas	Gas train exit: up
Pompa	Pump connected to fan motor through electromagnetic clutch
Circuito combustibile	Fuel supply circuit made of gear pump with pressure adjustment, shut-off valves and safety valve
Commutazione combustibile	Manual fuel switching
Controllo fiamma	Flame detection by means of infrared IRD photocell
Quadro comandi	Control panel with display diagram for working mode with indication lights
Protezione elettrica	Electrical system with protection rating IP40
Electric power supply type	AC
No. of Phases	3N
Power Supply Voltage (V)	400
Power Supply Frequency (Hz)	50
Fan Motor Power (kW)	5,5
Weight without packaging (kg)	19,4
Weight with packaging (kg)	130
Width (mm)	1070
Depth (mm)	870
Height (mm)	720