



TBL 160 P 50Hz

Code: 35950010

Series: TBL P

Technical and functional features

- Light oil burners.
- Two-stage operation (high/low flame).
- Compatible with any type of combustion chamber.
- High blowing efficiency, low electrical input, low noise.
- High pressure mechanical atomisation of fuel using nozzle.
- Ability to obtain optimal combustion values by regulating combustion air and blast-pipe.
- Combustion head at partial recycle of combusting gas which allow to achieve low Nox emissions (Class II for BTG 15 ME and class III for BTG 20 ME of the european norm EN267).

TBL 45 - 60 P

- Maintenance facilitated by the fact that the atomisation unit can be removed without having to remove the burner from the boiler.
- Air flow regulation for first and second stage by means of hydraulic jack.
- Comes with 4 and 7-poles connectors, 2 flexible oil pipes, 2 nozzles, 1 flange and 1 insulating seal to connect the burner to the application.

TBL 85 - 105 - 130 - 160 - 210 P

- Easy maintenance thanks to the two-sides opening flange which allow the remotion of the atomizing group without need to remove the burner from the boiler.
- Electric panel in light die-casted alluminum alloy , suitable for connections by means of 4 and 7 poles plugs Electrical protection rating IP55.
- In DACA execution and TBL 210 P, device for the air gate closure during pause to loss of heat at the chimney.
- Equipped with one flange and one insulating seal for boiler fastening, 2 flexible hoses, one line filter, two nozzle, one 4-pole connector and one 7-pole connector.
- Comes with 4 and 7-poles connectors, 2 flexible oil pipes, 2 nozzles, 1 oil filter, 1 flange and 1 insulating seal to connect the burner to the application.

Design features

- Light aluminium alloy fan part.
- Sliding boiler coupling flange to adapt the head protrusion to the various types of boilers.
- Adjustable blast-pipe with stainless steel nozzle and deflector disk in steel.
- Noise insulation (DATA execution).
- Gear pump with pressure regulator, fuel stop-cock valve and safety valve.
- Sequence controller - EN 230..
- Photoresistance flame scanner.
- 7 pole outlet for burner electrical and thermostat supply, and 4 pole outlet for second stage control.
- Electrical protection rating IP40, for DACA version IP44.

TBL 45 - 60 P

- High performance centrifugal fan.
- Combustion air inlet with device to adjust the air flow.
- Mono-phase electric motor for TBL 45, three-phase for TBL 60, to run fan and pump.

TBL 85 - 105 - 130 - 160 - 210 P

- High performance centrifugal fan made up in light die-casted alluminum alloy.

- Combustion air intake with air flow adjustment device.
- Flame viewer.
- Three-phase electric motor to run fan and pump.
- Air flow regulation for first and second stage by means of hydraulic jack; differently, in DACA execution and TBL 210 P is via electric servomotor.
- Synoptic control panel with led of operation and block, stop/go switch and block indicators.
- Built-in PCB including 1st and 2nd stage switch, thermostatic 7 poles plug, second stage 4 pole plug..

Available version on request

- Automatic air damper closure for energy saving. Biodiesel firing..

Technical Data - TBL 160 P 50Hz:

Minimum Rated output	500	kW
Maximum Rated output	1600	kW
Minimum light oil flow rate	42	kg/h
Maximum light oil flow rate	135	kg/h
Fuel max viscosity	1.5	°E
Motor rated power	1.5	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
Weight	69	kg
Pack Width	1080	mm
Pack Height	700	mm
Package depth	770	mm
Weight of Packaging	90	kg