

# NEW

## TBL...P

From 160 to 600 kW



### Two-stage light oil burner



Conform to:  
E.M.C. Directive 89/336/CEE  
L.V. Directive 73/23/CEE  
Reference standard: EN267



#### PLUS

- Low NOx and CO emissions gas burner compliant with European standard EN267 "Classe II".
- Combustion head fully accessible without the need to remove the burner
- High ventilation efficiency, low electrical input.
- Air automatic closure device (DACA version).
- Extreme silentness.

#### TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- Light oil burner.
- Two-stage operation (high/low flame).
- Ability to operate with any type of combustion chamber.
- High ventilation 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.
- Exhaust gas recycling combustion head able to achieve low pollutant emissions . Nox (class II according to European Norm EN267).
- Maintenance facilitated by the fact that the mixing 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.
- When using biodiesel light oil (fuel of vegetable origin), the burner must be built with specific components: flexible hoses, line filter and pump.
- Equipped with one 4-pole connector and one 7-pole connector, one flange and one insulating seal for boiler fastening, 2 flexible hoses and two nozzle.
- On request: device for air gate closure during pause to avoid loss of heat up flue, biodiesel running.

#### CONSTRUCTION CHARACTERISTICS

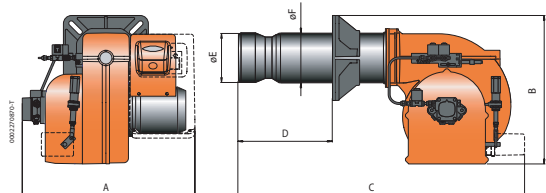
The burner consists of:

- Light die-casted aluminum alloy fan part.
- High performance centrifugal fan.
- Combustion air intake with air flow adjustment device.
- Sliding coupling flange to adapt the head protrusion to the various types of boilers.
- Adjustable combustion head complete with steel blast tube and deflector disk.
- Mono-phase electric motor for TBL 45, three-phase for TBL 60, to run fan and pump.
- Device made from sound-absorbing material to reduce fan noise. (DACA execution).
- Gear pump with the pressure regulation, detecting fuel valves and safety valves.
- Automatic control and command equipment for the burner compliant with European standard EN230.
- Flame detection by photoresistance.
- 7-pole outlet for burner electrical and thermostat connections, and 4-pole outlet for second stage control.
- Electrical protection rating IP40, for DACA version IP44.

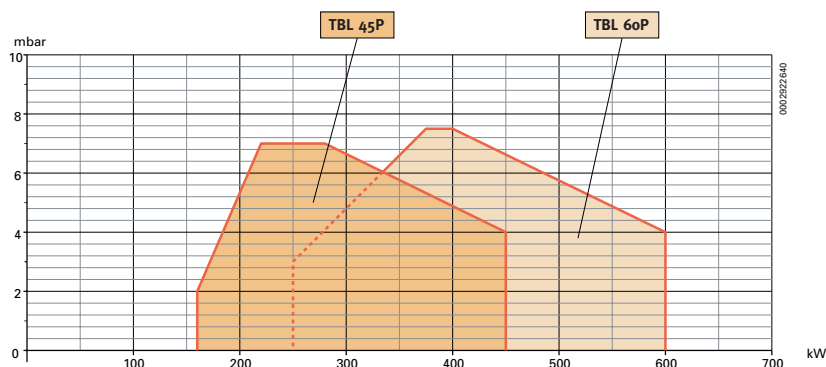
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Model	A mm	B mm	C mm	D mm	E mm	F mm
TBL 45 P	505	435	820	120 ÷ 350	135	133
TBL 45 P DACA	505	435	860	120 ÷ 350	135	133
TBL 60 P	505	435	840	140 ÷ 350	150	152
TBL 60 P DACA	505	435	880	140 ÷ 350	150	152



Thermal output kW	Model	Code	Max visc. °E at 20°C	Electrical supply	Motor kW	Size of packaging L x P x H mm	Weight kg
<b>Frequency 50 Hz</b>							
160 ÷ 450	TBL 45 P	35710010	1,5	1N AC 50Hz 230V	0,50	920 x 570 x 480	34
160 ÷ 450	TBL 45 P DACA	35710110	1,5	1N AC 50Hz 230V	0,50	920 x 570 x 480	34
250 ÷ 600	TBL 60 P	35750010	1,5	3N AC 50Hz 400V	0,65	920 x 570 x 480	36
250 ÷ 600	TBL 60 P DACA	35750110	1,5	3N AC 50Hz 400V	0,65	920 x 570 x 480	36
<b>Frequency 60 Hz</b>							
160 ÷ 450	TBL 45 P	35715410	1,5	1N AC 60Hz 230V	0,50	920 x 570 x 480	34
160 ÷ 450	TBL 45 P DACA	35715410	1,5	1N AC 60Hz 230V	0,50	920 x 570 x 480	34
250 ÷ 600	TBL 60 P	35755410	1,5	3N AC 60Hz 400V	0,65	920 x 570 x 480	36
250 ÷ 600	TBL 60 P DACA	35755410	1,5	3N AC 60Hz 400V	0,65	920 x 570 x 480	36



**baltur**  
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Quality System Certified  
UNI-EN ISO 9001 I.C.I.M. n° 202