



LIGHT OIL BURNERS

TBL 85 - 75
BT 75



baltur
Energy for People

kW 200 - 889

SERIES TBL - BT



CONFORM TO: E.M.C. DIRECTIVE 2014/30/UE | L.V. DIRECTIVE 2014/35/UE | MACHINERY DIRECTIVE 2006/42/CE.



TBL 85 P



TBL 75 LX



BT 75 DSPG

Light oil burner. Operation:

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

Modulation ratio:

Low NOx and CO emissions light oil burner according to European standard EN267:

Adjusting the combustion head.

Maintenance facilitated by the possibility of removing the combustion head 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.

Combustion air intake with butterfly valve. Air flow adjustment:

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

Combustion air intake designed to achieve optimum linearity of the air gate opening.

Device made of sound-absorbing material to reduce fan noise.

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

Fuel supply circuit made of gear pump with pressure adjustment and control flow valve.

Atomisation unit with magnet to control the outlet/nozzle return pins.

Flame detection by photoresistance.

Flame detection by IRD photocell.

Control panel with display diagram for working mode with indication lights.

Electric protection rating:

TBL 85 P

TBL 85 P DACA

TBL 75 LX

BT 75 DSPG

two-stage

two-stage

two-stage

mechanical two-stage progressive

•

1:2

class 2

class 2

class 3

•

•

•

•

•

•

•

•

•

•

•

•

•

•

hydraulic jack

electric servomotor

electric servomotor

mechanical cam

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

•

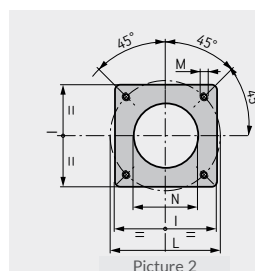
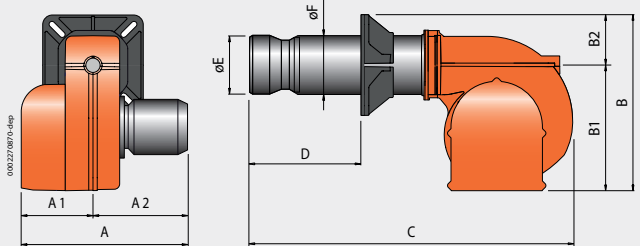
•

IP40

IP40

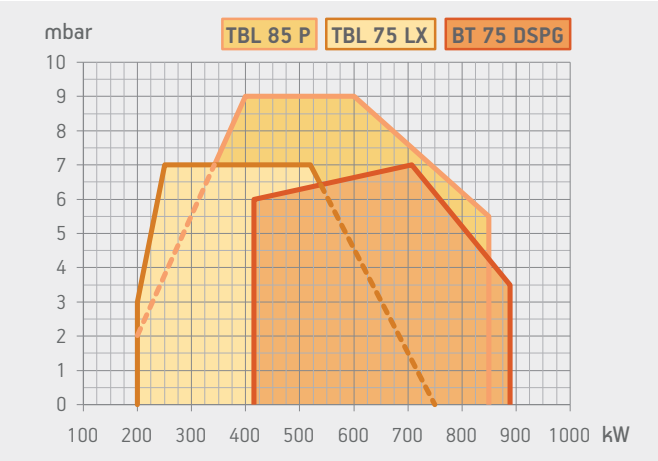
IP44

IP40



Flange dimensions and boiler drilling template.

Model	A mm	A1 mm	A2 mm	B mm	B1 mm	B2 mm	C mm	D mm	E mm	F mm	I mm	L mm	M mm	N mm	Pic.
TBL 85 P	670	300	370	510	380	130	1250	175 ÷ 400	161	159	260	225 ÷ 300	M12	170	2
TBL 85 P DACA	670	300	370	510	380	130	1250	175 ÷ 400	161	159	260	225 ÷ 300	M12	170	2
TBL 75 LX	670	300	370	510	380	130	1240	220 ÷ 400	152	159	260	225 ÷ 300	M12	170	2
BT 75 DSPG	595	310	385	510	365	145	1215	130 ÷ 450	205	160	260	255 ÷ 300	M12	170	2



Model	Size of packaging			Weight kg
	L	P	H	
	mm			
TBL 85 P	1070	800	700	79
TBL 85 P DACA	1070	800	700	79
TBL 75 LX	1070	800	700	82
BT 75 DSPG	1730	1030	880	140

	Emissions class	Thermal output kW	Model	Part no.	Max visc. °E at 20°C	Electrical supply	Motor kW	Notes
Frequency 50 Hz								
	class 2	200 ÷ 850	TBL 85 P	35800010	1,5	3N AC 50Hz 400V	1,10	15)
	class 2	200 ÷ 850	TBL 85 P DACA	35800110	1,5	3N AC 50Hz 400V	1,10	3) 4) 15)
	class 3	200 ÷ 750	TBL 75 LX	35820010	1,5	3N AC 50Hz 400V	1,10	3) 4) 15)
		415 ÷ 889	BT 75 DSPG	3510010	1,5	3N AC 50Hz 400V	1,10	4)
Frequency 60 Hz								
	class 2	200 ÷ 850	TBL 85 P	35805410	1,5	3N AC 60Hz 380V	1,10	15)
	class 2	200 ÷ 850	TBL 85 P DACA	35805420	1,5	3N AC 60Hz 380V	1,10	3) 4) 15)
		415 ÷ 889	BT 75 DSPG	35105410	1,5	3N AC 60Hz 380V	1,5+0,65	4)

TO COMPLETE THE BURNER

DESCRIPTION
BT 75 DSPG: nozzle with 1 ÷ 3 ratio

MODULATING MODE

DESCRIPTION	PART NO.
BT 75 DSPG: modulation kit	98000055
BT 75 DSPG: modulating probe	

OPTIONALS

DESCRIPTION
Biodiesel operation (5)

NOTES

- 3 Soundproof lid on burner air intake.
 - 4 Equipped with air closure device.
 - 5 Biodiesel according to european norm EN14213-FAME.
 - 15 Reference standard: EN267.
- Net calorific value of light oil: Hi = 42,70 MJ/kg = 10200 kcal/kg.

ACCESSORIES AVAILABLE ON REQUEST

DESCRIPTION	PART NO.
TBL 85 P/85 P DACA - TBL 75 LX: soundproof burner cover	97980053
BT 75 DSPG: soundproof burner cover	97980055

LIGHT OIL BURNER ACCESSORIES

TBL 85 P/85 P DACA - BT 75 LX: line filter, flex hoses, nozzles, boiler coupling kit, plug for wiring.
BT 75 DSPG: line filter, flex hoses, boiler coupling kit.



Baltur S.p.A.

Via Ferrarese, 10 - 44042 Cento (FE) - Italy

Tel. +39 051 684.37.11

info@baltur.it - www.baltur.com