

BTL ... SERIES

From 16,6 to 310 kW

baltur

Single-stage light oil burner

BTL range is also available in
two-stages execution: BTL ...P



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



TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- Light oil burner.
- Single stage operation (on/off); low/high flame (P version).
- Ability to operate with any type of combustion chamber.
- High pressure mechanical atomisation of fuel using nozzle.
- Ability to obtain optimal combustion values by regulating combustion air and blast-pipe.
- Maintenance facilitated by the fact that the atomisation unit can be removed without having to remove the burner from the boiler.
- Manual air flow adjustment.
- 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 7-pole connector, one flange and one insulating seal for boiler fastening. 2 flexible hoses, one line filter and one nozzle.
- On request: longer blast tube, operation on biodiesel.

CONSTRUCTION CHARACTERISTICS

The burner consists of:

- Light aluminium alloy fan part.
- High performance centrifugal fan.
- Combustion air inlet with device to adjust the air flow; automatically closing air gate.
- Adjustable combustion head complete with steel blast tube and deflector disk.
- Monophase electric motor to run fan and pump.
- Gear pump with pressure regulator and fuel stop-cock valve.
- Variable output fuel preheater (H version).
- 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 supply and 4-pole outlet for second stage control (P version).
- Electrical protection rating IP40.
- Sound-proof plastic protective cover.

Model	Part no.	Heat output		Capacity *)		Max visc. °E at 20°C	Power supply electric	Motor kW	Notes
		min. kW	max. kW	min. kg/h	max. kg/h				
BTL 3	35450010	17,8	42,7	1,50	3,6	1,5	1N AC 50Hz 230V	0,09	1)
BTL 3 H	35450011	16,6	42,7	1,40	3,6	1,5	1N AC 50Hz 230V	0,09	1) 2)
BTL 4	35490010	26,0	56,1	2,20	4,7	1,5	1N AC 50Hz 230V	0,11	1)
BTL 4 H	35490011	26,0	56,1	2,20	4,7	1,5	1N AC 50Hz 230V	0,11	1) 2)
BTL 6	35510010	31,9	74,3	2,70	6,3	1,5	1N AC 50Hz 230V	0,11	1)
BTL 6 H	35510011	31,9	74,3	2,70	6,3	1,5	1N AC 50Hz 230V	0,11	1) 2)
BTL 10	35530010	60,2	118,0	5,10	10,0	1,5	1N AC 50Hz 230V	0,11	1)
BTL 10 H	35530011	60,2	118,0	5,10	10,0	1,5	1N AC 50Hz 230V	0,11	1) 2)
BTL 14	35610010	86,0	166,0	7,00	14,0	1,5	1N AC 50Hz 230V	0,18	1)
BTL 20	35630010	118,6	261,0	10,00	22,0	1,5	1N AC 50Hz 230V	0,18	1)
BTL 26	35650010	190,0	310,0	16,00	26,0	1,5	1N AC 50Hz 230V	0,25	

BTL range is also available in 60 Hz execution.

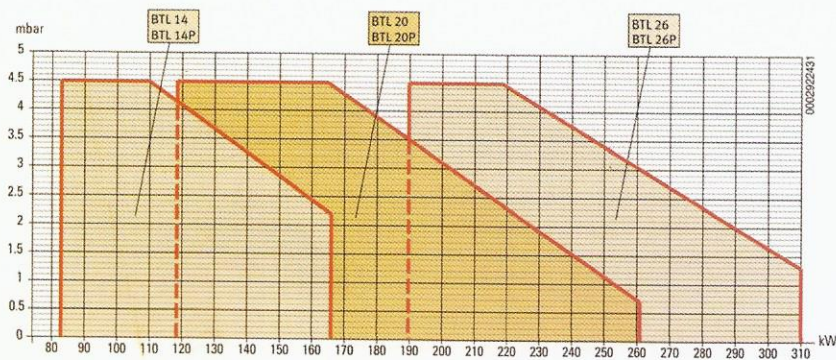
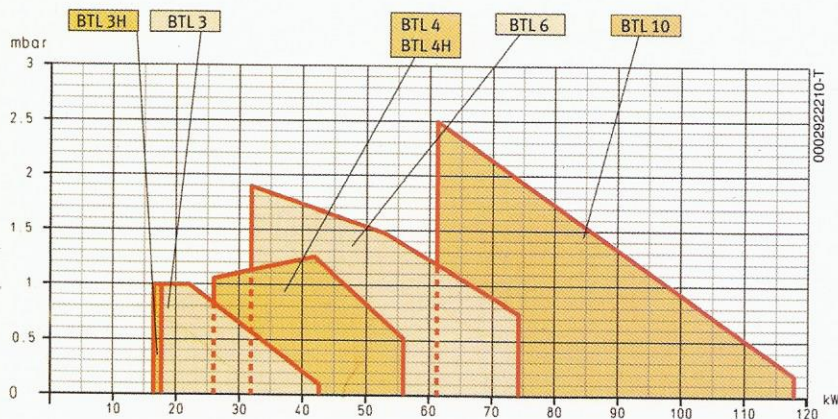
NOTES

- 1) Equipped with air shut-off device.
 - 2) Equipped with light oil pre-heater with drop-stop device.
- Net calorific value of light oil: Hi = 42,70 MJ/kg = 10200 kcal/kg.

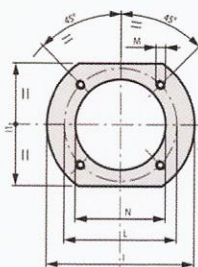
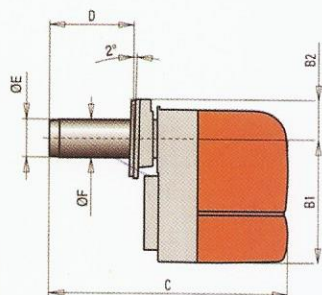
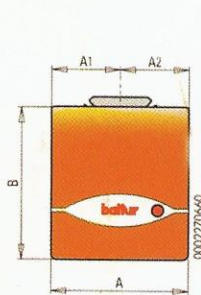
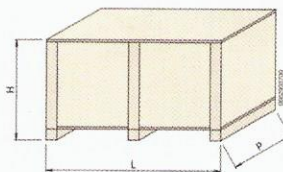
MADE IN ITALY

BTL ... SERIES

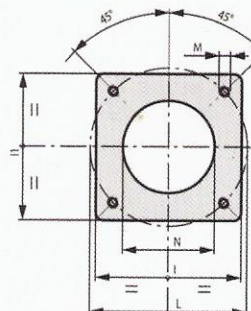
From 16,6 to 310 kW



Model	Package dimensions mm			Weights kg
	L	P	H	
BTL 3 - 3H	400	300	280	9
BTL 4 - 4H	540	300	320	12
BTL 6 - 6H	540	300	320	12
BTL 10 - 10H	540	300	320	12
BTL 14	780	370	410	18
BTL 20	780	370	410	18
BTL 26	780	370	410	18



BTL 3
BTL 4
BTL 6
BTL 10



BTL 14
BTL 20
BTL 26

Model	A mm	A1 mm	A2 mm	B mm	B1 mm	B2 mm	C mm	D min mm	D max mm	E ø	F ø	I mm	I1 mm	L min mm	L max mm	M mm	N mm
BTL 3 - 3H	250	120,0	130,0	218	170,0	72	330	90	—	80	80	170	144	135	161	M8	85
BTL 4 - 4H	245	122,5	122,5	270	218,5	70	410	50	105	90	80	170	140	130	155	M8	85
BTL 6 - 6H	245	122,5	122,5	270	218,5	70	455	50	150	90	90	170	140	130	155	M8	95
BTL 10 - 10H	245	122,5	122,5	270	218,5	70	480	50	158	90	90	170	140	130	155	M8	95
BTL 14	303	158,0	145,0	345	275,0	93	620	100	250	100	100	166	166	150	200	M10	110
BTL 20	303	158,0	145,0	345	275,0	93	645	100	250	114	114	185	185	170	210	M10	120
BTL 26	303	158,0	145,0	345	275,0	93	650	100	255	135	135	185	185	170	210	M10	140



baltur
TECNOLOGIE PER IL CLIMA

Baltur S.p.A.
Via Ferrarese, 10
44042 Cento (Fe) - Italy
Tel. +39 051-6843711
Fax: +39 051-6857527/28

Data reported in this brochure shall be considered as indicative; Baltur reserves the right to change them without previous notice.