



BT 300 DSG 4T



BT 300 DSG 4T HINGED



BT 300 DSPG

BT 300 DSG 4T	BT 300 DSG 4T Hinged	BT 300 DSPG
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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:

Adjusting the combustion head.

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

Fixed boiler coupling flange.

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.

Combustion air intake with butterfly valve. Air flow adjustment:

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

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 nozzle-closing pin.

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

Flame detection by photoresistance.

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

Electric protection rating:

two-stage

two-stage

mechanical two-stage progressive

electric servomotor

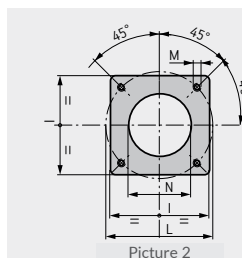
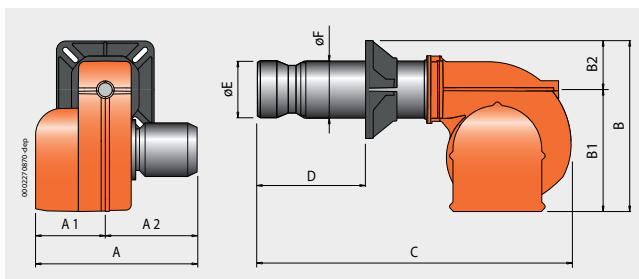
electric servomotor

mechanical cam

IP40

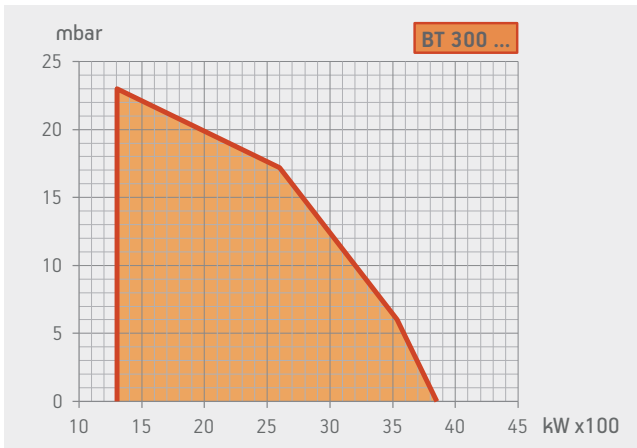
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Flange dimensions and boiler drilling template.

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.
BT 300 DSG 4T	915	435	480	800	580	220	1700	245 ÷ 605	360	275	440	400 ÷ 540	M20	365	2
BT 300 DSG 4T Hinged	915	435	480	800	580	220	1350	420	360	280	430	509	M18	370	2
BT 300 DSPG	1000	520	480	800	580	220	1900	245 ÷ 605	360	275	440	400 ÷ 540	M20	365	2



Model	Size of packaging			Weight kg
	L	P	H	
BT 300 DSG 4T	2030	1150	1010	265
BT 300 DSG 4T Hinged	1730	1030	880	265
BT 300 DSPG	2030	1150	1010	290

	Thermal output kW	Model	Part no.	Max visc. °E at 20°C	Electrical supply	Motor kW	Notes
Frequency 50 Hz							
	1304 ÷ 3854	BT 300 DSG 4T	31510010	1,5	3N AC 50Hz 400V	7,5	4)
	1304 ÷ 3854	BT 300 DSG 4T Hinged	31510011	1,5	3N AC 50Hz 400V	7,5	4)
	1304 ÷ 3854	BT 300 DSPG	3530010	1,5	3N AC 50Hz 400V	7,5	4)
Frequency 60 Hz							
	1304 ÷ 3854	BT 300 DSG 4T	31515410	1,5	3N AC 60Hz 380V	9,0+1,3	4)
	1304 ÷ 3854	BT 300 DSG 4T Hinged	31515411	1,5	3N AC 60Hz 380V	9,0+1,3	4)
	1304 ÷ 3854	BT 300 DSPG	35305410	1,5	3N AC 60Hz 380V	9,0+1,3	4)

TO COMPLETE THE BURNER

DESCRIPTION
BT 300 DSPG: nozzle with 1 ÷ 3 ratio (see page 295)

MODULATING MODE

DESCRIPTION	PART NO.
BT 300 DSPG: modulation kit	98000055
BT 300 DSPG: modulating probe (see page 294)	

OPTIONALS

DESCRIPTION
Biodiesel operation (5)

NOTES

- 4 Equipped with air closure device.
- 5 Biodiesel according to european norm EN14213-FAME.
Net calorific value of light oil: Hi = 42,70 MJ/kg = 10200 kcal/kg.

ACCESSORIES AVAILABLE ON REQUEST

DESCRIPTION	PART NO.
Soundproof burner cover (see page 299)	97980057

LIGHT OIL BURNER ACCESSORIES

- BT 300 DSG 4T: line filter, flex hoses, nozzles, boiler coupling kit, plug for wiring.
- BT 300 DSPG: line filter, flex hoses, boiler coupling kit.