



BT 300 DSG 4T 50Hz

Code: 31510010

Series: BT DSG 4T

Technical and functional features

- Light oil burners.
- Two-stage operation (high/low flame).
- Compatible 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.
- Air flow regulation for first and second stage by means of electric servomotor with pause closure of gate to prevent any heat dispersion to flue.
- When using biodiesel light oil (fuel of vegetable origin), the burner must be built with specific components: flexible hoses, line filter and pump.
- Comes with 2 flexible oil pipes, 3 nozzles, 1 oil filter, 1 flange and 1 insulating seal to connect the burner to the application.

Design features

- Light aluminium alloy fan part.
- High performance centrifugal fan.
- Combustion air inlet with device to adjust the air flow.
- 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.
- Three-phase electric motor to run fan and pump.
- Gear pump with pressure regulator, fuel stop-cock valve and safety valve.
- Atomisation unit with nozzle-closing pin.
- Sequence controller - EN 230..
- Photoresistance flame scanner.
- Synoptic control panel comprising stop/go switch, unlocking switch, 1st/2nd stage selector, operation and block indicator.
- Terminal board for the electric feeding, 7 poles plug for the thermostatic connections, 4 poles plug to drive the second stage operation.
- Electrical plant protection rating IP40.

Available version on request

- Biodiesel operation.

Technical Data - BT 300 DSG 4T 50Hz:

Minimum Rated output	1304	kW
Maximum Rated output	3854	kW
Minimum light oil flow rate	110	kg/h
Maximum light oil flow rate	325	kg/h
Fuel max viscosity	1.5	°E
Motor rated power	7.5	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
Width	915	mm
Height	840	mm
Depth	1860	mm
Weight	193	kg
Pack Width	2030	mm
Pack Height	990	mm
Package depth	1210	mm
Weight of Packaging	265	kg