



## BT 100 DSPG 50Hz

Code: 3514010

Series: BT DSPG

### Technical and functional features

- Light oil burners.
- Two-stage progressive output operation.
- Ability to operate with output modulation by means of automatic RWF40 regulator mounted on the control panel (order separately with the specific modulation kit).
- 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.
- Minimum and maximum 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.
- Comes with 2 flexible oil pipes, 1 oil filtre, 1 flange and 1 insulating seal to connect the burner to the application. Nozzle must be ordered separately according to the burner nominal output required..

### 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.
- Electric servomotor with mechanical cam for simultaneous regulation of combustion air and fuel.
- Gear pump with pressure regulator.
- Atomisation unit with magnet to control the outlet/nozzle return pins.
- Sequence controller - EN 230..
- Photoresistance flame scanner.
- Control panel comprising stop/go switch, automatic/manual and minimum/maximum selector, operation and block indicator.
- Terminal block for the electrical and thermostatic connections to the burner and to control the second stage of working or for the connection of the electronic output regulator.
- Electrical plant protection rating IP40.

### Technical Data - BT 100 DSPG 50Hz:

Minimum Rated output	533	kW
Maximum Rated output	1186	kW
Minimum light oil flow rate	45	kg/h
Maximum light oil flow rate	100	kg/h
Fuel max viscosity	1.5	°E
Motor rated power	1.5	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	670	mm
Height	525	mm
Depth	1415	mm
Weight	95	kg
Pack Width	1730	mm
Pack Height	880	mm
Package depth	1030	mm
Weight of Packaging	150	kg