



BT 300 DSNM-D 50Hz

Code: 2520010

Series: BT DSNM-D

Technical and functional features

- Heavy 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.
 - Comes with 2 flexible oil pipes, 1 self cleaning and heated heavy oil filter, 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..
- BT 120 - 180 - 250 - 300 - 350 DSNM-D

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.
 - A three-phase electric motor to run fan and another to run the pump.
 - Air pressure switch to ensure the presence of combustion air.
 - Gear pump with pressure regulator and fuel stop-cock valves.
 - Heating resistor for the pump, regulator valve and the atomisation unit.
 - Atomisation unit with magnet to control the outlet/nozzle return pins.
 - Sequence controller - EN 230..
 - Photoresistance flame scanner.
 - Control panel comprising stop/go switch, 1st/2nd stage selector, and operation, block and pre-heating resistors on indicators.
 - Terminal block for the electrical and thermostatic connections to the burner and to control the second stage of working.
 - Electrical plant protection rating IP40.
- BT 120 - 180 - 250 - 300 - 350 DSNM-D
- Electrical fuel preheater including antigas valve, self-cleaning filter, thermometer, regulation and minimum thermostats; safety thermostat excluding BT 120.

Available version on request

- Burner may be integrated with a steam-operated supplementary fuel oil preheater which allows fuel oil to be heated with steam from the boiler during regular operation, saving electricity.
- Steam pre-heater.

Technical Data - BT 300 DSNM-D 50Hz:

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|----------------------|------|----|
| Minimum Rated output | 1220 | kW |
| Maximum Rated output | 3460 | kW |

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|-----------------------------------|------|------|
| Minimum oil flow rate | 109 | kg/h |
| Maximum oil flow rate | 310 | kg/h |
| Fuel max viscosity | 50 | °E |
| Motor rated power | 9.7 | kW |
| Tank resistors rated power | 25.5 | 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 | 1135 | mm |
| Height | 840 | mm |
| Depth | 1900 | mm |
| Weight | 315 | kg |
| Pack Width | 2270 | mm |
| Pack Height | 1250 | mm |
| Package depth | 1600 | mm |
| Weight of Packaging | 405 | kg |