



BT 350 DSNM-D 50Hz

Code: 2525010

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 350 DSNM-D 50Hz:

Minimum Rated output	1284	kW
Maximum Rated output	3907	kW

Minimum oil flow rate	115	kg/h
Maximum oil flow rate	350	kg/h
Fuel max viscosity	50	°E
Motor rated power	11.2	kW
Tank resistors rated power	28.5	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	1220	mm
Height	960	mm
Depth	1960	mm
Weight	385	kg
Pack Width	2270	mm
Pack Height	1250	mm
Package depth	1600	mm
Weight of Packaging	475	kg