



BT 35 SPN 50Hz

Code: 2052110

Series: BT SPN

Technical and functional features

- Heavy oil burners.
- Two-stage pressure 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 heavy oil of viscosity up to 20°E at 50°C, add the kit (to be ordered separately) consisting of: resistors for the pump, the atomisation unit and first and second stage solenoid.
- When using low sulphur heavy oil, add the kit (to order separately) consisting of: Specific oil filter. Stainless steel flexible hoses and resistors for pump. Atomisation unit and first and second stage solenoid.
- Comes with 2 flexible oil pipes, 1 nozzle, 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 and fuel stop-cock valves.
- Atomisation unit with nozzle-closing pin.
- Electrical fuel preheater comprising antigas valve, filter, thermometer and minimum and regulation thermostat.
- 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.

Technical Data - BT 35 SPN 50Hz:

Minimum Rated output	189	kW
Maximum Rated output	390	kW
Minimum oil flow rate	16.9	kg/h
Maximum oil flow rate	35	kg/h
Fuel max viscosity	7	°E
Motor rated power	0.55	kW
Tank resistors rated power	3.2	kW
Electric Power Supply Phase	3	N
Electric Power Supply Frequency	50	Hz

Electric Power Supply Current	AC	
Electric Power Supply Voltage	400	V
Width	520	mm
Height	440	mm
Depth	985	mm
Weight	60	kg
Pack Width	1060	mm
Pack Height	600	mm
Package depth	660	mm
Weight of Packaging	85	kg