

BT...SPN

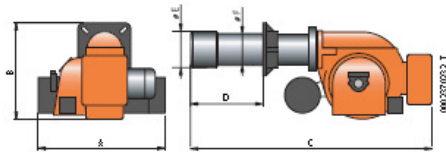
From 89 to 390 kW

Conform to:
E.M.C. Directive 89/336/CEE
L.V. Directive 73/23/CEE



TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- Two-stage pressure stage operation (high/low flame).
- Ability to obtain optimal combustion values by regulating combustion air and blast-pipe.
- Maintenance facilitated by the possibility of removing the atomisation unit 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.
- Fuel oils with a viscosity of up to 20°E at 50°C may be used by adding a kit to the burner including elements for the pump, the pulveriser unit and the 1st and 2nd stage solenoid valve.
- To use fuel oil with a low sulphur content, add a kit to the burner (ordered separately) including: special line filter, flexible stainless steel tubes and pump elements, pulveriser unit and stage 1 and 2 solenoid valves.
- Equipped with one flange and one insulating seal for boiler fastening, 2 flexible hoses, one line filter and one nozzle.



Model	A mm	B mm	C mm	D mm	E mm	F mm
BT 17 SPN	520	440	965	118 + 320	135	115
BT 35 SPN	520	440	985	120 + 305	155	135

CONSTRUCTION CHARACTERISTICS

- The burner consists of:
- Combustion air intake with air flow adjustment device.
 - Sliding boiler coupling flange to adapt the head protrusion to the various types of boilers.
 - 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.
 - Automatic control box for the burner compliant with European standard EN230.
 - Flame detection by photoresistance.
 - Control panel comprising stop/go switch, 1st/2nd stage selector, operation, block and pre-heater indicators.
 - Terminal block for the electrical and thermostatic connections to the burner and to control the second stage of working.
 - Electrical protection rating IP40.

Thermal output kW	Model	Part no.	Viscosity combust. °E @ 50°C	Electrical supply	Motor kW	Size of packaging L x P x H mm	Weight kg	Notes
Frequency 50 Hz								
89 ÷ 189	BT 17 SPN	2040111	7	3N AC 50Hz 400V	0,37	1060 x 660 x 600	85	4)
189 ÷ 390	BT 35 SPN	2052110	7	3N AC 50Hz 400V	0,55	1060 x 660 x 600	85	4)
Frequency 60 Hz								
89 ÷ 189	BT 17 SPN	20405420	7	3N AC 60Hz 400V	0,55	1060 x 660 x 600	85	4)
189 ÷ 390	BT 35 SPN	20525420	7	3N AC 60Hz 400V	0,76	1060 x 660 x 600	85	4)

Kit for heavy oil

Part no.

Kit for heavy oil up to 20°E at 50°C

98000305

Kit for heavy oil with low sulphur content and max viscosity of 15°E at 50°C

98000314

Heavy oil burner accessories

Line filter - Flex hoses - Nozzle - Boiler coupling kit

Notes

4) Equipped with air closure device.
Net calorific value of heavy oil: Hi = 40,19 MJ/kg = 9600 kcal/kg.

