


Flange Mounting Dimensions

L	M	N
339	M16	270

TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- Light oil burner.
- Two-stage operation (high/low flame).
- Ability to operate 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 biodiesel light oil (fuel of vegetable origin), the burner must be built with specific components: flexible hoses, line filter and pump.
- Equipped with one flange and one insulating seal for boiler fastening, 2 flexible hoses, one line filter and 3 nozzles.
- On request: biodiesel operation.

CONSTRUCTION CHARACTERISTICS

The burner consists of:

- Light aluminium alloy fan part.
- High performance centrifugal fan.
- Combustion air intake with air flow adjustment device.
- 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, fuel stop-cock valve and safety valve.
- Atomisation unit with nozzle-closing pin.
- Automatic control and command equipment for the burner compliant with European standard EN230.
- Flame detection by photoresistance.
- Control panel comprising stop/go switch, 1st/2nd stage selector, operation and block indicator.
- Terminal block for the electrical and thermostatic connections to the burner and to control the second stage of working.
- Electrical protection rating IP40.

Conforms to:
 E.M.C. Directive 89/336/CEE
 L.V. Directive 73/23/CEE
 Reference standard: EN267

Thermal output kW	Model	Part no.	Max visc. °E at 20°C	Electrical supply	Motor kW	A mm	B mm	C mm	D mm	F mm	Size of packaging L x P x H mm	Weight kg	Notes
873 - 3186	BT 250	3130010	1.5	3N AC 50Hz 400V	7.5	915	780	1665	235 - 590	220	1730 x 1030 x 880	225	4)

Accessories available on request

Part no.	Description
97980057	Soundproof burner cover for BT 250

Optionals

Description
Biodiesel operation

Light oil burner accessories

Line filter - Flex hoses - Nozzles - Boiler coupling kit
--

Notes

4) Equipped with automatic device for air closing.
 Net calorific value of light oil: Hi = 42.70 MJ/kg = 10200 kcal/kg.

