



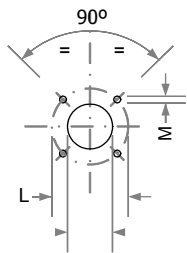
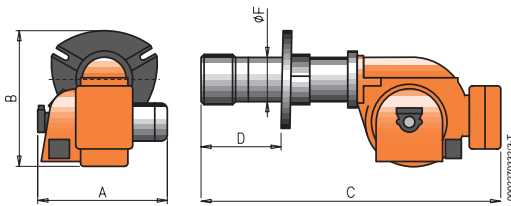
TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- 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.
- Regulation of air flow rate for first and second stage via hydraulic piston; for BT 180 electric servomotor for first and second stage with damper closure on standby to prevent in-flue heat dispersion.
- When using biodiesel light oil (fuel of vegetable origin), the burner must be built with specific components: flexible hoses, line filter, jack except BT 180) and pump.
- Equipped with one flange and one insulating seal for boiler fastening, 2 flexible hoses, one line filter and 2 nozzles.
- On request: a device for air gate closure during pause to avoid loss of heat up flue except BT 180) and biodiesel running.

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.
- 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.



Flange Mounting Dimensions

L	M	N
276	M16	240

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
533 - 1186	BT 100	3090010	1.5	3N AC 50Hz 400V	1.5	640	525	1295	180 - 440	195	1510 x 750 x 720	91	

Frequency 50 Hz

Accessories available on request

Part no.	Description
97980055	Soundproof burner cover for BT 100-120
97980057	Soundproof burner cover for BT 180

Optionals

Description
Biodiesel operation for BT 100-120
Biodiesel operation for BT 180

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.

