



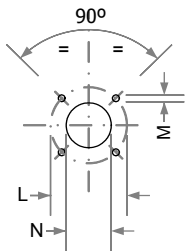
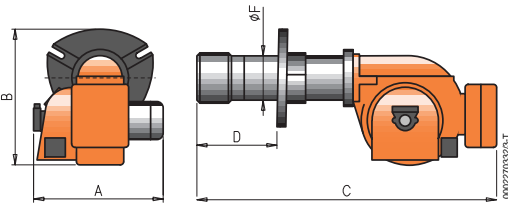
TECHNICAL AND FUNCTIONAL CHARACTERISTICS

- Light oil burner.
- Single stage operation (on/off).
- 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.
- Manual air flow adjustment.
- 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 one nozzle.
- On request: a device for air gate closure during pause to avoid loss of heat up flue.

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 and fuel stop-cock valve.
- Automatic control and command equipment for the burner compliant with European standard EN230.
- Flame detection by photoresistance.
- Terminal block for the electrical and thermostatic connections to the burner.
- Electrical protection rating IP40.



Flange Mounting Dimensions

L		M	N
min	max		
200	250	M12	170

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
237 - 474	BT 40	3042010	1.5	3N AC 50Hz 400V	0.37	510	430	835	120 - 180	135	1060 x 660 x 600	54	

Accessories available on request

Part no.	Description
97980054	Soundproof burner cover for BT 40
97980055	Soundproof burner cover for BT 60

Optionals

Description
Automatic Air Closure Device

Light oil burner accessories

Line filter - Flex hoses - Nozzle - Boiler coupling kit

Notes

Net calorific value of light oil: Hi = 42.70 MJ/kg = 10200 kcal/kg.

