


Flange Mounting Dimensions

| L | | M | N |
|-----|-----|-----|-----|
| min | max | | |
| 170 | 210 | M10 | 150 |

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 7 pole connector, one flange and one insulating seal for boiler fastening, 2 flexible hoses, one line filter and one nozzle.
- On request: blast-pipe with greater than standard protrusion, a device for air gate closure during pause to avoid loss of heat up flue, 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.
- Monophase electric motor to run fan and pump.
- Device made from sound-absorbing material to reduce fan noise.
- 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.
- Start/stop switch.
- 7 pole outlet for burner electrical and thermostat connections.
- 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 |
|-------------------|--------|----------|----------------------|-------------------|----------|------|------|------|-----------|------|--------------------------------|-----------|-------|
| 154 - 308 | BTS 26 | 3066010 | 1.5 | 1N AC 50Hz 230V | 0.37 | 450 | 355 | 610 | 105 - 200 | 114 | 650 x 490 x 380 | 30 | 3) |

Frequency 50 Hz
Accessories available on request

| Part no. | Description |
|----------|-------------------------|
| 97980054 | Soundproof burner cover |

Optionals

| Description |
|------------------------------|
| 500 mm long combustion head |
| Automatic Air Closure Device |
| Biodiesel operation |

Light oil burner accessories

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|--|
| Line filter - Flex hoses - Nozzle - Boiler coupling kit - 7 pin plug |
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Notes

3) Soundproof lid on burner air intake.
 Net calorific value of light oil: Hi = 42.70 MJ/kg = 10200 kcal/kg.

