

RL50 TL

500kW OIL FIRED BURNER

Monoblock Forced Draught Oil Burner

- Fully automatic two stage operation
- Air suction circuit lined with sound proofing material
- Fan with reverse curve blades
- Air damper controlled by adjustable hydraulic ram
- Starting motor at 2800 rpm
- Combustion head adjustable for output
- Geared pump for high pressure fuel supply
- Valve unit with oil safety valve & 2 delivery oil valves
- Photocell for flame detection
- Microprocessor safety control box with diagnostic function
- Burner on/off switch
- Flame inspection window
- 1st- 2nd Stage manual switch
- Radio interference protection filter
- IP 44 Electric protection level



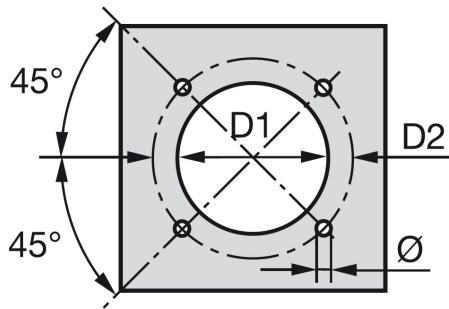
Specification	
Make	Riello
Model	RL50 TL
Burner Operation Mode	Two Stage
Modulation Ratio to Max Output	2÷1
Heat Output	148/296-593 kW
Heat Output	127/255-510 Mcal/h
Heat Output	12.5/25-50 Kg/h
Working Temperature	0 - 40°C
Net Calorific Value	11.8 kWh/kg
Net Calorific Value	10,200 Kcal/kg
Viscosity at 20°C	4 - 6 mm /s (cSt)
Pump Type	AL 75C
Pump Output	88 kh/h @ 12 bar
Atomised Pressure	12 bar
Oil Temperature (max)	50°C
Air Temperature (max)	60°C
Sound Pressure	75 dBA
Fan Type	Centrifugal with Reverse Curve Blades

Electrical Supply	3ph 50 Hz 400v
Auxiliary Electrical Supply	1ph 50 Hz 230v
Control Box	RBO 522
Total Electrical Power	0.75 kW
Protection Level	IP44
Motor Electrical Power	0.65 kW
Rated Motor Current	3 - 1.7 A
Motor Start Up Current	13.8 - 8 A
Motor Protection Level	IP54
Ignition Transformer V1-V2	230v 2x5 kV
Ignition Transformer I1-I2	1.9A 30mA
Working	Intermittent (at least one stop every 24h)
CO Emissions	<40 mg/kWh
Grade of Smoke Indicator	<1 N° Bach
C _x H _y Emission	<10 mg/kWh
NO _x Emissions	<200 mg/kWh
Conforming to	EN 267
Certification	DIN 5G226/93
Dimensions (W x L x H)	476 x 819 x 474mm

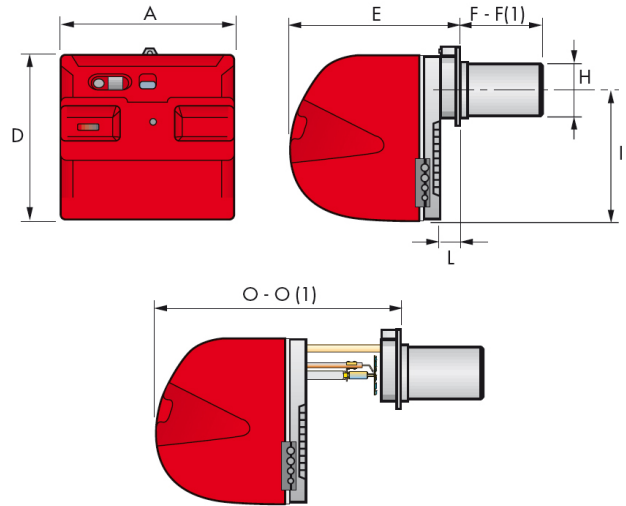
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Boiler Mounting Flange



D1	D2	Ø
160	224	M8



A	D	E	F-F(1)	H	I	L	O-O(1)
476	474	468	216-351	152	352	52	672-807

Firing Rate

