

QUICK SPECIFICATIONS

STEAM OUTPUT

850 Kgs/hr

Feed & Actual @ 100°C

MAX PRESSURE

15 Kgs/cm²

Working Pressure

EFFICIENCY

88 ± 2%

START-UP TIME

5 Minutes

Operating Parameters

Parameter	Unit	RT-085 Value
Steam Output (F&A @ 100°C)	Kgs/hr	850
Maximum Working Pressure	Kgs/cm ²	15
Fuel Consumption — LDO	Kgs/hr	51
Thermal Efficiency (NCV)	%	88 ± 2%
Cold Start-Up Time	Minutes	5
Burner Control Mode	—	ON / OFF
Dry Weight (Approx.)	Kgs	1,900
Flue Gas Outlet Diameter	mm	300
N.C.V Of HSD	----	10,400 Kcal/Kg for HSD
N.C.V Of HSD	----	9,600 Kcal/Kg for FO

Electrical Specifications

Power Supply

AC · 3-Phase · 415V ± 6% · 50 Hz ± 3% · 4-Wire System

Connected Load Component	Unit	Rating
Feed Water Pump Motor	HP	1.5
Combustion Air Blower Motor	HP	3
Fuel Pump Motor	HP	0.5
Fuel Oil Pre-Heater (FO units only)	kW	7.5

Total Load — FO Fired Units

5 HP + 7.5 Kw

Compliance & Regulatory

Pressure Parts Classification

The pressure parts of the RT-085 are outside the purview of the Indian Boiler Regulations (IBR). This coil-type design operates under a unique configuration that exempts it from standard IBR registration requirements, simplifying installation and commissioning.