

QUICK SPECIFICATIONS

STEAM OUTPUT	MAX PRESSURE	EFFICIENCY	START-UP TIME
850 Kgs/hr	15 Kgs/cm ²	88 ± 2%	5 Minutes
<i>Feed & Actual @ 100°C</i>	<i>Working Pressure</i>		

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
Fuel Consumption — FO	Kgs/hr	54
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 LDO	---	10,200 Kcal/Kg for LDO
N.C.V Of FO	---	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 — LDO Fired Units 5 HP	Total Load — FO Fired Units 5 HP + 7.5 kW
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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.