

QUICK SPECIFICATIONS

STEAM OUTPUT

300 Kgs/hr

Feed & Actual @ 100°C

MAX PRESSURE

15 Kgs/cm²

Working Pressure

EFFICIENCY

88 ± 2%

START-UP TIME

3 Minutes

Operating Parameters

Parameter	Unit	RT-03 Value
Steam Output (F&A @ 100°C)	Kgs/hr	300
Maximum Working Pressure	Kgs/cm ²	15
Fuel Consumption — LDO	Kgs/hr	18
Fuel Consumption — FO	Kgs/hr	19.1
Thermal Efficiency (NCV)	%	88 ± 2%
Cold Start-Up Time	Minutes	3
Burner Control Mode	—	ON / OFF
Dry Weight (Approx.)	Kgs	1,300
Flue Gas Outlet Diameter	mm	200
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
Combustion Air Blower Motor	HP	1
Fuel Pump Motor	HP	0.5
Fuel Oil Pre-Heater (FO units only)	kW	3

Total Load — LDO Fired Units

2.5 HP

Total Load — FO Fired Units

2.5 HP + 3 kW

Compliance & Regulatory

Pressure Parts Classification

The pressure parts of the RT-03 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.