

DATA SHEET FOR RAPID THERM (OIL FIRED CUM ELECTRIC HWG)

Make	-	Rapid Cool (Rapid Therm)
Type	-	Horizontal (Skid Mounted)
Model No.	-	Rapid Therm - RT-20 / E-250
Capacity Kcal/Kw	-	2 Lac / 250KW
Water Temp. 'In'	-	50 Deg C
Water Temp. 'Out'	-	55 Deg C
Water Flow Rate	-	12500 LPH
Type of Fuel Used	-	Oil / Electric
Fuel Consumption Oil/Electric	-	20.5 Kg/h / 250 Unit/h
Flue Gas Outlet	-	200mm (Id) –Flange Type
Working Pressure	-	10 Kg/Cm ²
Unit Efficiency Oil/Electric	-	93% / 98%
Material Oil/Electric	-	Carbon Steel (BS 3059) / Mild Steel
Vessel Code	-	Constructed as Per ASME Standard
Vessel Sheet Thickness	-	06mm Shell & 08mm Dish Ends
Front and Back Door	-	Openable, Lined with High Grade Insulation and Refractory
Electrical Connected Load Oil/Electric-	-	415 Volt Ac, 50 Hz, 3phase 4 Wire, (2.5 kw / 250 kw)
Water Inlet & Outlet Size	-	100 mm dia. Flange End
Electrical Control Panel	-	Made From 18 Gauge CRC Sheet, Finished with Backed Enamel, Pre Wired with Main Incomer, RYB Indicating Lights, Volt/Amp Meter (Digital), Hour-Meter, Contactor, Control Module Card with Relays, Overload Relay, Single Phase Preventer, With Fault Indicating Lights Such as High Pressure, High Temperature of Water and Flue, Burner Trip with Audio Alarm Low Level.
Burner (Monoblock) High Efficient, Low Noise	-	Ecoflame / Riello / Unigas
Heater Rating	-	25 KW x 2 Nos = 50 KW x 5 Steps = <u>250 KW</u>
Type of Heaters	-	Electrical Resistance, Water Immersion Type,
Materials Of Heaters	-	Copper Tube, Duly Chrome Plated.
Safety Devices	-	Pressure Relief Valve, In/Out Pressure Gauge with Ball Valve, Inlet and Outlet Temperature Controller, Pressure Switch, Water and Flue High Temperature Cut Out, Low Level Cut Out
Test Pressure	-	250 P.S.I.G
Insulation Material	-	50mm Thick Fiber Glass Wool (32 Kg Density)
Cladding	-	22 Gauges G.I Sheet Duly Epoxy Coated (Red & Black Colors)

For Rapid Cool

Manufacturing: