

NEOTHERM

Industrial Heating Solutions

TECHNICAL DATA SHEET

Model NT-800

LDO Fired Thermic Fluid Heater · 8,00,000 Kcal/hr · 300°C

QUICK SPECIFICATIONS

HEATING CAPACITY

8,00,000

Kcal/Hr – Rated Output

MAX TEMPERATURE

300°C

At Outlet of the Unit

FUEL CONSUMPTION

85.7 kgs/hr

LDO- Based on NCV

EFFICIENCY

88 %

Operating Parameters

Parameter	Unit	NT-800
Heating Capacity	<i>Kcal/hr</i>	800000
Maximum Operating Temperature (at outlet of the unit)	<i>°C</i>	300
Fuel Consumption — LDO	<i>Kgs/hr</i>	85.7
Fuel Consumption — FO	<i>Kgs/hr</i>	90
Thermal Efficiency (NCV)	<i>%</i>	88
Burner Control Mode	<i>—</i>	ON / OFF
Overall Dimensions (L X W X H)	<i>m</i>	4 x 5 x 6
Flue Gas Outlet	<i>mm</i>	500
Gross Weight	<i>kgs</i>	5250
N.C.V Of HSD	<i>----</i>	10,400 Kcal/Kgs for HSD
N.C.V Of LDO	<i>----</i>	10,200 Kcal/Kgs for LDO
N.C.V Of FO	<i>----</i>	9,600 Kcal/Kgs for FO

Electrical Specifications

Power Supply
AC • 3-Phase • 415V ± 6% • 50 Hz ± 3% • 4-Wire System

Connected Load Component	Unit	Rating
Thermic Fluid Pump Motor	HP	15
Combustion Air Blower Motor	HP	10
Fuel Pump Motor	HP	1.0
Fuel Oil Pre-Heater (FO units only)	kW	12

Total Load — LDO Fired Units 26 HP	Total Load — FO Fired Units 26 HP + 12 kW
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