

NEOTHERM

Industrial Heating Solutions

TECHNICAL DATA SHEET

Model NT-400

LDO Fired Thermic Fluid Heater · 4,00,000 Kcals/hr · 300°C

QUICK SPECIFICATIONS

HEATING CAPACITY	MAX TEMPERATURE	FUEL CONSUMPTION	EFFICIENCY
4,00,000	300°C	42.9 kgs/hr	88 %
<i>Kcals/Hr – Rated Output</i>	<i>At Outlet of the Unit</i>	<i>LDO- Based on NCV</i>	

Operating Parameters

Parameter	Unit	NT-400
Heating Capacity	<i>Kcals/hr</i>	400000
Maximum Operating Temperature (at outlet of the unit)	<i>°C</i>	300
Fuel Consumption — LDO	<i>Kgs/hr</i>	42.9
Fuel Consumption — FO	<i>Kgs/hr</i>	45
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 4 x 5
Flue Gas Outlet	<i>mm</i>	300
Gross Weight	<i>kgs</i>	2900
N.C.V Of HSD	<i>----</i>	10,400 Kcals/Kgs for HSD
N.C.V Of LDO	<i>----</i>	10,200 Kcals/Kgs for LDO
N.C.V Of FO	<i>----</i>	9,600 Kcals/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	10
Combustion Air Blower Motor	HP	3
Fuel Pump Motor	HP	0.5
Fuel Oil Pre-Heater (FO units only)	kW	6.0

Total Load — LDO Fired Units

13.5 HP

Total Load — FO Fired Units

13.5 HP + 6 kW