NEOTHERM

*Industrial Heating Solutions*

TECHNICAL DATA SHEET

# Model NT-1000

LDO Fired Thermic Fluid Heater · 10,00,000 Kcals/hr ·300°C

## QUICK SPECIFICATIONS

| HEATING CAPACITY | MAX TEMPERATURE | FUEL CONSUMPTION | EFFICIENCY |
|---|---|---|---|
| 10,00,000 | 300°C | 107.2 kgs/hr | 88 % |
| *Kcals/Hr – Rated Output* | *At Outlet of the Unit* | *LDO- Based on NCV* | |

## Operating Parameters

| Parameter | Unit | NT-1000 |
|---|---|---|
| Heating Capacity | *Kcals/hr* | **1000000** |
| Maximum Operating Temperature (at outlet of the unit) | *°C* | **300** |
| Fuel Consumption — LDO | *Kgs/hr* | **107.2** |
| Fuel Consumption — FO | *Kgs/hr* | **112.5** |
| Thermal Efficiency (NCV) | *%* | **88** |
| Burner Control Mode | — | **ON / OFF** |
| Overall Dimensions (L X W X H ) | *m* | **4 x 5 x 6** |
| Flue Gas Outlet | *mm* | **500** |
| Gross Weight | *kgs* | **5250** |
| N.C.V Of HSD | ---- | **10,400 Kcals/Kgs for HSD** |
| N.C.V Of LDO | ---- | **10,200 Kcals/Kgs for LDO** |
| N.C.V Of FO | ---- | **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* | **20** |
| 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 | Total Load — FO Fired Units |
|---|---|
| 31 HP | 31 HP + 12 kW |