

THERM DYNAMICS

TD 500-GSE

AIRLINE HEAT CART

“NARROW TO WIDE BODY”

**SAFE
FLAMELESS
HEAT**

**PROGRAMMABLE
CO DETECTION**

**SET & LEAVE
TEMP CONTROL**



FEATURES

The TD 500 GSE "Flameless" Airline Heat Cart represents over 18 years of field experience, operating 24/7 in EXTREME CONDITIONS in the Gas & Oil Industry. The same SAFE FLAMELESS HEAT technology demanded by INSURERS and site SAFETY MANAGERS in these "EXTREMELY EXPLOSIVE ENVIRONMENTS" is now available for the AIRLINE INDUSTRY.

The TD 500-GSE (Heat Cart) is COMPACT, COMPLETELY PORTABLE and SAFE - providing Clean Dry Heat for aircraft, hangars and ground support equipment. It represents the "NEXT GENERATION" in PORTABLE HEAT TECHNOLOGY.

- **RELIABLE** 95% experience in Gas & Oil Industry
- **SIMPLE** Few moving parts
- **EFFICIENT** Huge "Real" Fuel Savings vs. Competition (up to 40%)
- **SAFE** Flameless Heat is captured from either a Gasoline or Diesel Engine and a "Patented" Low Pressure HYDRAULIC FLUID HEAT PLATE Plus "programmable" patent pending CO DETECTION
- **CERTIFIED** UL733-2013 & CSA B 140.8.1967(R2015) STANDARDS REPORT # 0489HH002S
- **DURABLE** Expectations are for over 12,000 hours of dependable service on heat plate
- **FLEXIBLE** One Heater for ALL Aircraft Type (Narrow to Wide Body)

Therm Dynamics Mfg. Inc.

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FLAMELESS. EFFICIENT. HEATERS.

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SPECIFICATIONS

Heater 575,000 BTU/Hour
Flameless Dry Heat captured from the Engine and "Patented" HEAT PLATE assembly that agitates HYDRAULIC FLUID in a "LOW PRESSURE" environment



Controls • SET and LEAVE



Air Output 5,000+ CFM and
20 inches Static Pressure

Engine

- ① Fuel Injected Gasoline Industrial 6 Cylinder 4.9 Liter (300 Cid) OHV 4 Stroke
- ② Ford V6 3.7 Liter Gasoline Engine
- ③ CAT 4.4 Tier 3 Diesel/Jet A Engine
- ④ CAT 3.4 Tier 4 Final Diesel Engine

Fuel Capacity 78 gallons

Temp. Rise 150°F+

Run Time 30 hours average

Safety Murphy Gauges
Two connected to engine
• Low oil pressure
• High Water Temp
Two connected to Heat Generator
• Low oil pressure
• High oil temperature
Strobe Lights
• Running
• Warning (Shut Down)
CO Detector - Auto shut down

Decibel 65 dB at 10 ft

Dimensions 149" L X 52.5" W X 61" H (plus stack)

Weight Dry Weight 4,100 lbs

Paint Premium Anti-corrosive Polyester Powder Paint

Axle Torsional Suspension Axle (front and rear)
• Pneumatic Tires
• Optional Foam filled Tires

Brake Draw Bar Braking System

APPLICATIONS

- Heating for aircraft cabins, fluid lines and luggage bays
- Preheating aircraft engines and ice removal on Jet Turbine Blades
- Heating for remote "Off Gate" Aircraft, Ground Support Equipment and facilities to improve productivity and work place safety
- Aircraft deicing
- Hangar heating while servicing aircraft and other GSE equipment
- Moisture drying and ice melting of luggage bay, maintenance facilities and ground equipment

HIGHLIGHTS

- Easy access to all Maintenance Components
- Low Humidity, High CFM for drying
- Programmable CO Detection
- Safe Flameless Heat
- Set and Leave Controls - Auto Modulation
- One Heater **ALL Body Sizes**

AVAILABLE OPTIONS

- Fire extinguisher
- Custom colors
- 12" ducts available
Insulated and layflat
- 12" to 8" PCA Adapter
- Full line of Diesel Flameless Heaters also available
125,000 to 1.2Million+ BTUs

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