



Standard Features

- Automated PLC Control System
- 100psig inlet pressure regulator
- Logic controlled safety shutdown (and manual e-stop switch)
- Emissions Catalyst
- Single 16" duct
- Internal Generator

Optional Equipment & Configurations

- Externally Powered
- Heat Exchanger
- Skid Mounted
- Tandem Axle
- LED Service/Work Light package
- GPS Locator
- Duct Splitting
- Additional Ducting
- Ducting Storage



Maximizing Productivity Minimizing Distractions



MT700C

Flameless Air Heater

Specifications

Heat Output	700,000 BTU/hour
Dimensions	79"W x 124"L x 72"H <i>(79"W x 84"L x 72"H with tow tongue removed)</i>
Weight	3000lbs
Range of Operation	-40° to 100°F
Turbine Fuel Types	LPG / CNG/ Well Gas 900-2500 BTU/ft ³
Maximum Water Cut	Intermittent, 50% by mass
Maximum Fuel Consumption	LPG : 4.0g/s (7.5 gal/hr) CNG: 4.5g/s (8.3 CFM)
Required Fuel Pressure¹	30psig
Internal Genset²	15.6hp Kubota @ 1800 RPM
Genset Fuel Consumption	0.9 gph
Diesel Fuel Tank	23 gallons
Ignition Type	Momentary Spark
Air Flow	5,000 CFM
Temperature Rise	200° F
MTBF	20,000 hours
Noise	70dB @ 10m
Emissions	CO: < 5ppm NO < 15ppm NO2 < 1 ppm CxHy < 1 ppm

1—30psig is minimum fuel pressure required for full heat rating, will operate at reduced heat output at lower pressures down to 15psig
2—internal genset is standard feature, can be powered externally for lower priced unit

High Value Application Examples

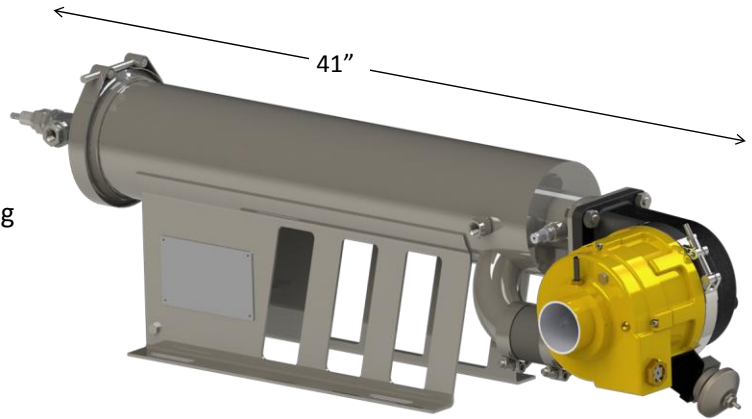
Oilfield/Pipeline Equipment & Personnel Heating
Construction Heating

Agricultural Heating & Grain Drying
Industrial Process Heating

TurboCore TC700H

Specifications

- Heat Output Rating:** 700,000 BTU/hour
- Fuel Types:** Natural Gas, LPG , Gaseous Hydrocarbon Fuels (900-2500 BTU/ft³)
- Max. Fuel Consumption:** LPG 4.0g/s (7.5 gal/hour)
Natural Gas 4.5g/s (8.3 CFM)
- Min. Inlet Pressure Required for Full Heat Rating:** 30 psig
Engine will operate on lower pressures with reduced heat output
- Operable Ambient Temperature Range:** -40° to 40°C
- Exhaust Gas Flow:** 0.4 lb/s
- Exhaust Gas Temperature:** 700-950°C
- Maximum Fuel Water Content:** 50% by mass
- Maximum Allowable Downstream Pressure:** 1 psig



<p>Fully Automated Controls</p> <p>The key to safe and reliable operation. Parameters are adjusted on the fly to provide a consistent heat output, even with dynamically changing</p>	<p>True Fuel Flexibility</p> <p>The TurboCore engine platform is built around fuel flexibility. No settings or parts to change, and no tuning required. Fuels can even be hot swapped during operation.</p>	<p>Rugged & Reliable</p> <p>The TurboCore engine contains a single moving part, ball bearings, and is passively lubricated (no oil changes required). Only one hour of annual maintenance needed.</p>
--	--	--

Standard Equipment

- Automated PLC Control System
- Safety shutoff solenoid with e-stop circuit
- Pressure regulator (< 100psig inlet pressure)
- Proportional Automated Control Valve
- 1/4" NPT fuel plumbing
- 120VAC Input voltage ignition transformer
- Ceramic coated turbine housing

Optional Equipment

- Emissions Reduction Catalyst
- Heat Exchanger
- Inlet Silencer
- Air Start Package
- Higher Pressure Fuel Regulator
- Inlet Fuel Pressure Gauge
- Operator Station (HMI panel)

High Value Application Examples

<p>Oilfield/Pipeline Equipment & Personnel Heating</p>	<p>Agricultural Heating & Grain Drying</p>
--	--