



WE BRING THE HEAT • (800) 218-4642

FOR OVER 50 YEARS

At Tioga Air Heaters, we work closely with customers to provide safe, reliable temporary and permanent heating and ventilation solutions. With over 50 years' experience manufacturing heaters and refurbishing our fleet, we understand the importance of designing and building efficient, robust, user-friendly equipment to operate in extreme environments, including the world's most severe weather conditions.

Tioga's Rental Fleet offers flexible weekly, monthly, and seasonal programs. Our heaters range from 80,000 to 4,500,00 BTU/hr and the rental fleet offers:

- Direct Fired Heaters
- Indirect Fired Heaters
- Electric Heaters
- Hot Water & Steam Heaters
- Air Movers
- Air Filtration units
- Dehumidifiers
- Gas Hoses
- Duct Work

Tioga's Equipment Sales Team partner with customers to design and build application specific heaters including:

- Direct Fired Heaters
- Indirect Fired Heaters
- Portable, trailer mounted heaters
- Skid mounted heaters
- Optional equipment includes: spark arrestors, dual-fuel burners, lighting packages, explosion proof remote thermostat systems, multiple phase power supply options, electric vaporizers

Markets served include:

- Construction
- Food & Beverage
- Mining
- Municipal
- Oil & Gas
- Paint and Coating
- Pipeline
- Power Plant
- Remediation
- Processing Plants
- Refineries
- Transportation Facilities

Powerful, efficient, and incredibly reliable...



Typical uses for The TIOGA Air Heater

THE TIOGA DIFFERENCE

- Over 50 years experience delivering solutions, sales and technical support, and reliable equipment, right the first time
- All heaters are entirely shop-assembled and wired complete with burner, fan, controls, regulators, and safety devices
- Tioga employees inspect and refurbish our heaters to like-new condition after every rental
- 24/7 Emergency phone support to answer customer questions from set-up to utilization through return
- Budget estimates to forecast heat loads, fuel consumption and power utilization
- Guaranteed 200°F temperature rise using outside air at 0°F ambient air
- Operate using diesel fuel, oil, natural gas or propane
- Heavy duty steel weldments offer superior durability, longevity, and increased safety
- Superior componentry provide safe and reliable equipment for use in the harshest environments
- Powerful backward inclined and forward curved blowers overcome higher static pressure, the ability to push tempered air up to 300 feet, and capability of heating large volumes of air quickly

BENEFITS OF USING TIOGA AIR HEATERS

- Reliable heaters ensure continued uptime of your operations, processes, and facilities
- Engineering support to design optimal ductwork and air flow
- Application support providing cost-effective solutions and accurate selection of equipment right the first time

Experience the Tioga difference and come see why customers come back to us for all their heat, ventilation, and dehumidification needs.

AIR HEATER (AH) SERIES

AH models are direct fired heaters designed for use in industrial applications. These heaters are the first choice of construction contractors requiring safe, efficient, powerful air heaters for temporary heat. Their robust, compact design pressurize your building and offer cleaner heat and increases air circulation to virtually eliminate moisture problems.

Features

- Operate with virtually 100% efficiency
- Low-pressure natural gas or vapor propane burner with Fire Eye® flame control
- Modulating thermostatically-controlled burners maximize fuel efficiency with up to 25:1 turndown ratio
- Fully enclosed burner located inside the cabinet and upstream of blower prevent flames exiting heater discharge
- All operating components are designed to operate at -40°F
- Durable welded exterior and tubular internal frame design outperform our competitors screw fastened sheet metal cabinet design
- Designed to work at 2.5" WC static pressure results in moving more air further at higher temperatures
- Standard controls include:
 - Flame safety supervision
 - Air flow sensor
 - Discharge air control
 - Remote thermostat with full modulation burner control or 3-position (high fire, low fire, off)
 - Disconnect switch for external supply power termination

| AH SERIES DIRECT FIRED AIR HEATERS | | | | | |
|------------------------------------|-----------|--------|--------|-----------|-------------------|
| HEATER | BTU/HR | CFM | FUEL | DISCHARGE | POWER |
| AH 4 | 450,000 | 1,800 | NG, VP | 12" | 120V |
| AH 5 | 500,000 | 3,000 | NG, VP | 16" | 120V |
| AH 7 | 650,000 | 4,000 | NG, VP | 16" | 208V 1ph-480V 3ph |
| AH 9 | 990,000 | 5,000 | NG, VP | 18" | 208V 1ph-480V 3ph |
| AH 10 | 990,000 | 6,000 | NG, VP | 18" | 208V 1ph-480V 3ph |
| AH 22 | 2,000,000 | 12,000 | NG, VP | 24" | 208V 1ph-480V 3ph |

NG-Natural Gas VP-Vapor Propane





DIRECT FIRED (DF) SERIES AIR HEATERS

DF models are direct fired heaters designed for use in heavy-duty industrial applications requiring powerful air heaters with significant air flow. These models are capable of rapidly heating large volumes of air and providing multiple air changes per hour.

Features

- All welded body design improves durability and ruggedness
- Thermostatically-controlled burners maximize fuel efficiency
- Burners use either high-pressure natural gas or liquid propane with self-vaporizing burners or with low-pressure natural gas or vapor propane
- Superior componentry result in reliable operating components down to -40°F
- A backward inclined blower is up to 30% more energy efficient, pushing air much further than forward-curve or propeller fan designs, and can overcome higher static pressure without overloading the motor

| DF SERIES DIRECT FIRED AIR HEATERS | | | | | |
|------------------------------------|-----------|--------|------------|-----------|-------------------|
| HEATER | BTU/HR | CFM | FUEL | DISCHARGE | POWER |
| DF 6 | 1,200,000 | 6,000 | LP | 18" | 208V 1ph-480V 3ph |
| DF 9 | 1,800,000 | 9,000 | LP | 24" | 208V 1ph-480V 3ph |
| DF 11 | 2,400,000 | 11,000 | NG, VP, LP | 24" | 208V 1ph-480V 3ph |
| DF 17 | 3,500,000 | 17,000 | NG, VP, LP | 32" | 208V-480V 3ph |
| DF 21 | 4,200,000 | 21,000 | NG, VP, LP | 32" | 208V-480V 3ph |
| DF 25 | 4,500,000 | 25,000 | NG, VP | 32" | 208V-480V 3ph |

NG-Natural Gas VP-Vapor Propane LP-Liquid Propane

INDIRECT FIRED (IDF) SERIES AIR HEATERS

IDF models provide 100% uncontaminated fresh heated air and are the industries' most versatile, efficient, powerful air heaters of their kind. A high efficiency burner fires into a primary firing tube and all products of combustion are discharged through the exhaust stack. Larger units offer an enclosed service vestibule with interior lights and heat allowing for a work friendly environment when servicing the blower and burner.

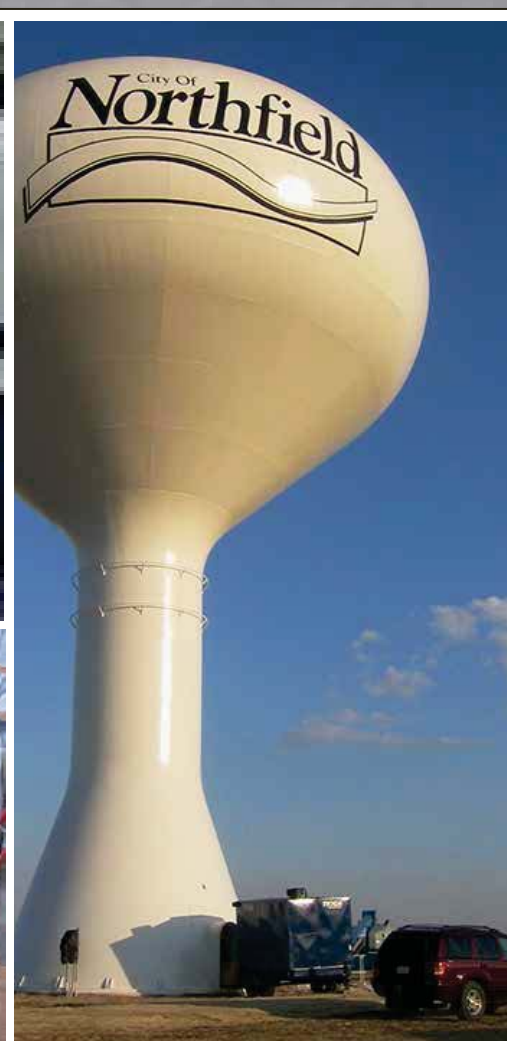
Features

- Fire tube and heat transfer surfaces are fabricated out of 14-gauge type 309 stainless steel to ensure maximum heat transfer, and resistance to corrosion and premature wear.
- A backward inclined blower pushes air further and has the ability to overcome higher static pressures without overloading the motor using 30% less horsepower.
- Superior componentry result in reliable operating components down to -40°F.
- Designed to work at 3" WC static pressure to move more air further at higher temperatures.
- An over temperature protection high limit in the discharge will shut-off or lower the burner to reduce the temperature if the set point is exceeded.
- Safety features include flame safety relay with diagnostic read out, airflow switch, fan switch, over circuit protection, double safety valves or motorized valves.

| IDF SERIES INDIRECT FIRED AIR HEATERS | | | | | |
|---------------------------------------|-----------|--------|-----------|-----------|---------------|
| HEATER | BTU/HR | CFM | FUEL | DISCHARGE | POWER |
| IDF 1.8 | 325,000 | 1,800 | NG, VP | 12" | 120V/240V 1ph |
| IDF 2.2 | 500,000 | 2,200 | NG, VP, O | 12" | 208V-480V 3ph |
| IDF 3 | 700,000 | 3,000 | O | 16" | 208V-480V 3ph |
| IDF 4 | 1,000,000 | 4,000 | NG, VP, O | 18" | 208V-480V 3ph |
| IDF 6 | 1,200,000 | 6,000 | NG, VP, O | 20" | 208V-480V 3ph |
| IDF 7 | 1,300,000 | 7,000 | NG, VP, O | 20" | 208V-480V 3ph |
| IDF 11 | 2,400,000 | 11,000 | NG, VP, O | 24" | 208V-480V 3ph |
| IDF 14 | 2,800,000 | 14,000 | NG, VP, O | 32" | 208V-480V 3ph |
| IDF 17 | 3,500,000 | 17,000 | NG, VP, O | 32" | 208V-480V 3ph |
| IDF 21 | 4,200,000 | 21,000 | NG, VP, O | 32" | 208V-480V 3ph |

NG-Natural Gas VP-Vapor Propane O-Oil





IDF PORTABLE SELF-CONTAINED (SCO) HEATER

IDF SCO heaters are trailer mounted units offering position flexibility and relocation throughout a job close to our customers heating and ventilation needs. A built-in generator eliminates the need for an external power source and is capable of running unattended for over 24 hours. The generator offers the ability to drive additional power tools, lights, and more. It is the industry's most versatile and robust heater.

Features

- Heavy-gauge metal walls welded to a sturdy frame
- Most models come with a heavy duty pintle hitch; a 2 5/16" ball is also available
- Four inch fuel filter
- Flame safety control
- High temperature shutdown
- Double wall insulated casing
- Electric or hydraulic brakes

- 120V outlet for additional power tool needs

- Meltric brand plugs allow for conversion to alternate power source to run heater

| IDF SERIES INDIRECT FIRED SELF CONTAINED AIR HEATERS | | | | |
|--|-----------|-------|------|-----------|
| HEATER | BTU/HR | CFM | FUEL | DISCHARGE |
| IDF 1.8 SCO | 325,000 | 1,800 | Oil | 12" |
| IDF 3 SCO | 700,000 | 3,000 | Oil | 16" |
| IDF 5 SCO NEW in 2015 | | | Oil | 16" |
| IDF 7 SCO | 1,200,000 | 7,000 | Oil | 20" |

CERTIFICATIONS

Tioga Air Heaters meet or exceed government safety standards and have been tested and certified by CSA and ETL to U.S. and Canadian Standards.



*CSA ratings may vary. Contact our office for current CSA information.



Our heating specialists will assist you selecting the exact airflow and burner capacity required for your heating application.

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