

**GASTRAC PROCESS AIR HEATER**

CGT350

# **RETROFIT ELECTRIC DRYERS WITH EFFICIENT GAS**

Retrofit your existing electric dryer to cost effective natural gas with the Conair GasTrac Process Air Heater.

The unique combustion airflow system of the GasTrac consistently maintains drying temperatures under any conditions, while cutting energy costs below that of electric resistance heaters. The GasTrac Process Air Heater uses your dryer's desiccant beds, circulating air through the GasTrac heat exchanger and hopper. Because the GasTrac is designed to convert your existing electric dryer, realizing your energy savings has never been easier.

## **RETROFIT FOR LOWER BURNING EMISSIONS**

Conair's GasTrac air heater uses a state-of-the-art radiant heat burner with one of the lowest emissions levels.

Gas-fired heaters substantially lower energy costs and provide energy savings up to 70% over an equal amount of electricity. The indirect heat exchanger, designed completely of stainless steel, separates process air from the combustion air, eliminating any possibility of contamination. The ceramic/fiber matrix burner provides safe, high-efficiency radiant heat.

Off-the-shelf controls and gas components monitor every function of the heater and are easy to maintain. Automatic shutdown occurs if pressure switches sense unsafe conditions.

### ■ **Clean radiant heat burning**

The GasTrac has one of the lowest emissions of any burner available in the world today. The ceramic/fiber matrix burner couples high heat transfer with extremely low emissions.

### ■ **Space saving construction**

Compact design provides a smaller footprint for easy out-of-the-way placement of your dryer.

### ■ **Unique airflow system**

The process airflow is heated indirectly as it flows around the heat exchanger. It never comes in contact with the combustion airflow and contamination.

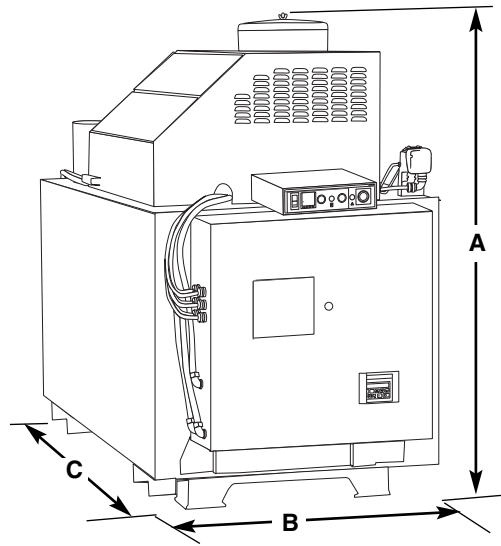
### ■ **Exceeds industry requirements**

All GasTrac components meet or exceed industry requirements for UL, AGA, CGA, FM, NFPA and IAS.



**SPECIFICATIONS**

**GASTRAC PROCESS AIR HEATER**



MODELS	CGT150	CGT250	CGT350	CGT500	CGT700
<b>Performance characteristics</b>					
Temperature range °F {°C}	250 - 350 {122 - 177}				
Maximum flue temperature °F {°C}	750 {399}				
Combustion blower	0.5 Hp peripheral	0.5 Hp peripheral	1 Hp peripheral	1 Hp peripheral	1 Hp peripheral
Ignition source	Spark igniter, interrupted				
Burner type	Metal-ceramic				
Minimum burner capacity BTU/hr	40,000	75,000	90,000	125,000	150,000
Maximum burner capacity BTU/hr	150,000	225,000	350,000	500,000	700,000
Gas consumption*					
CFH @250°F {L/hour}	50 {1416}	90 {2549}	105 {2973}	150 {4248}	230 {6513}
CFH @350°F {L/hour}	140 {3964}	215 {6088}	325 {9203}	465 {13167}	675 {19114}
Gas pressure to regulator In. H <sub>2</sub> O {kPa}	10 - 20 {2.49 - 4.98}				
Gas pressure from regulator In. H <sub>2</sub> O {kPa}	4 - 7 {0.99 - 1.74}				
Gas heating rate BTU/ft <sup>3</sup>	1000				
<b>Dimensions in. {mm}</b>					
A - Height	54 {1372}	61 {1549}	61 {1549}	61 {1549}	61 {1549}
B - Width	29 {737}	37 {940}	37 {940}	37 {940}	37 {940}
C - Length	66 {1676}	64 {1626}	74 {1880}	74 {1880}	74 {1880}
Air inlet/outlet, OD	8 {203}	8 {203}	8 {203}	8 {203}	12 {300}
<b>Approximate weight lb {kg}</b>					
Installed	600 {272}	600 {272}	600 {272}	600 {272}	600 {272}
Shipping	700 {317}	700 {317}	700 {317}	700 {317}	600 {272}
<b>Voltage Total amps</b>					
380V/3 phase/50Hz	3.0	3.0	1.6	1.3	3.0
415V/3 phase/50Hz	3.0	2.7	1.5	1.2	3.0
240V/3 phase/60Hz	3.0	4.8	2.5	2.0	3.0
480V/3 phase/60Hz	3.0	2.4	1.3	1.0	3.0
<b>Emissions</b>					<b>All GasTrac components meet:</b> UL372, UL795, FM, CGA, AGA, NFPA 54, NFPA 79, NFPA 86 and IAS
Primary excess air	10 - 30%	Carbon Monoxide (CO)	<10 ppm corrected to 3% O <sub>2</sub>		
Oxygen (O <sub>2</sub> ) (ideal 3 - 4%)	2 - 5%	NOX	<20 ppm corrected to 3% O <sub>2</sub>		
Carbon Dioxide (CO <sub>2</sub> )	9 - 10.5%	Unburned hydrocarbons	<10 ppm corrected to 3% O <sub>2</sub>		

\* Designed for natural gas. For alternate fuel, contact your Conair representative.

Specifications may change without notice. Consult a Conair representative for the most current information.