

Thermal & Process Sales, Inc.

**Post Office Box 77558
Baton Rouge, Louisiana 70879-7558
Phone 225-291-9898
Fax 225-291-9947
E-mail thermpro@thermpro.com
www.thermpro.com**

Name:

Company:

Location:

Phone:

Fax:

Email:

Project Name:

Job Number:

Equipment Number:

Quote Due Date:

Quote Type:

TPS Salesman:



- Burners
- Flares
- Incinerators
- Combustion Systems

22151 East 91st Street
Broken Arrow, OK 74014 USA
Phone: 918-258-8551
Fax: 918-251-5519

www.zeeco.com

BURNER DATA SHEET

Date	
Customer	
Address	
Phone Number	
Fax Number	
Customer Reference Number	
Contact Name	
Heater Data	
Type of Furnace	
Furnace Tag Number	
Firebox Temperature	
Firing Direction	
Firebox Dimensions, Internal (LxWxH)	
Firebox Dimensions, External (LxWxH)	
Are Burner Tile Mounting Plates Required	
Are Burner Floor Mounting Templates Required	
Horizontal Distance from inside of furnace wall to centerline of tubes	
Outside diameter of the furnace tubes	
Furnace Floor Refractory Thickness	
Floor metal thickness	
Furnace Wall Refractory Thickness	
Wall metal thickness	
Combustion Air Temperature	
Excess Combustion Air (%)	
Altitude above sea level	
Are pressure taps required on the burner plenums	
Are there local heater emissions requirements:	
NOx, ppmv corrected to 3% dry O2	
CO, ppmv corrected to 3% dry O2	
UHC, ppmv corrected to 3% dry O2	

Humidity (Minimum, Maximum, Normal)	
Air Pressure drop @ Burner, w.c.	
Maximum Noise Level, dBa	
Burner Data	
Type of Burner	
Quantity	
Oil, Gas or Combination	
TEG, Natural or Forced Draft	
Heater Draft "wc"	
Wind-box "wc"	
Allowable burner air pressure drop	
Combustion Air temperature	
Heat Release	
Maximum Heat Release	
Normal Heat Release	
Minimum Heat Release	
Pilot Information	
Type (manual or electric ignition)	
Heat Release	
Pilot fuel gas composition	



FUEL GAS INFORMATION

	<u>Gas 1</u>	<u>Gas 2</u>	<u>Gas 3</u>	<u>Gas 4</u>	<u>Gas 5</u>
Methane					
Ethane					
Propane					
Butane					
Pentane					
Hexane					
C5H10					
C6H12					
Ethene					
Pentene					
Butene					
Hexene					
Benzene					
Isoprene					
CO2					
H2O					
O2					
N2					
SO2					
H2S					
CO					
NH3					
Hydrogen					
AR					
Total					
LHV					
S.G.					
Temp.					
Available gas pressure					
M.W.					



FUEL OIL DATA

	Oil 1	Oil 2	Oil 3	Oil 4
LHV				
Pressure				
Specific Gravity				
Temp.				
Sulfur wt%				
Nitrogen wt%				
Vanadium wt%				
Hydrogen wt%				
Carbon wt%				
Catalyst Fines				

ADDITIONAL INFORMATION

1. Furnace Drawings showing the burner installation dimensions.
2. Existing burner drawing so the current dimensions can be matched.
3. Furnace designer's burner data sheets so the existing conditions can be matched.
4. A list of any changes that have been made to the operating conditions since the furnace was originally designed.
5. If the job is or will be turbine exhaust, please provide the turbine exhaust gas composition and temperature.
6. For retrofit jobs, please send a sketch of new heater floor (or wall) burner locations showing burner spacing and other items such as de-coke nozzles.

