

# HRSR HEAT RECOVERY SILENCER RADIAL

GRAIN PROCESSING APPLICATION



## SAVINGS COMPARISON ANALYSIS

Customer Name: **Owensboro Grain Company** Customer Code: Reference: Grain Processor: 58833

DATA without a Cain System		PERFORMANCE with a Cain System	
<b>J620 F02 Engine</b>		<b>HRSR-360G25.8CSS</b>	
Heat Sink	Boiler Feedwater	Circulating Liquid Flow	120 GPM
Waste Exhaust Temp	684°F	Final Exhaust Temp.	358°F
Liquid Temp. Inlet	285°F	Liquid Temp. Outlet	352.7°F
SCFM	9,660	Pressure Drop, Liquid	1.8 PSIG
Fuel Type	Natural Gas	Pressure Drop, Exhaust	1.09" WC
O2 Content	N/A	BTU/hr Recovered	3,859,000
Excess Air	N/A	BTU/hr Saved	4,823,200
Combustion Efficiency	80% (relative)	Total Cost	\$174,487
Fuel Cost Per Therm	\$.60		
Annual Operating Hours	6,000		

**Payback: 12.1 mo.**  
**Annual ROI: 100%**  
**Annual Savings: \$173,636**

**Life Expectancy Savings: \$3,038,630** (15-20 years)

Savings comparison data is based on a conservative fuel cost per therm and approximate operating hours. Contact Cain Industries for your FREE savings analysis proposal.

Cain Industries  
W194 N11826 McCormick Drive  
Germantown, WI 53022 USA  
262.251.0051 • cainind.com

©2017 Cain Industries. All rights reserved.