

HRSR HEAT RECOVERY SILENCER RADIAL



GOVERNMENT/MUNICIPAL APPLICATION - Page 1 of 2



SAVINGS COMPARISON ANALYSIS

Customer Name: **Santa Rita Jail** Customer Code: Government/Municipal Reference: 97132

DATA without a Cain System

DFC1500 Fuel Cell

| | |
|------------------------|----------------|
| Heat Sink | Water Loop |
| Waste Exhaust Temp | 621°F |
| Liquid Temp. Inlet | 180°F |
| SCFM | 3,054 |
| Fuel Type | Natural Gas |
| O2 Content | N/A |
| Excess Air | N/A |
| Combustion Efficiency | 80% (relative) |
| Fuel Cost Per Therm | \$.60 |
| Annual Operating Hours | 6,000 |

PERFORMANCE with a Cain System

HRSR-272E28SSP

| | |
|-------------------------|-----------|
| Circulating Liquid Flow | 380 GPM |
| Final Exhaust Temp. | 225°F |
| Liquid Temp. Outlet | 187.8°F |
| Pressure Drop, Liquid | 1.99 PSIG |
| Pressure Drop, Exhaust | 0.12" WC |
| BTU/hr Recovered | 1,442,000 |
| BTU/hr Saved | 1,802,700 |
| Total Cost | \$68,976 |

Payback: 12.8 mo.
Annual ROI: 94%
Annual Savings: \$64,899

Life Expectancy Savings: \$1,135,733 (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.

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