

Honeywell ControlLinks Fuel/Combustion Efficiency Savings Worksheet

Shaded Areas to be Filled in by User

Job Site Details	
Distributor:	
Sales Rep:	
Customer:	
Customer Contact:	
Customer Address:	
Customer Phone:	
Customer Fax:	

Definitions for Input Variables
Boiler Output Rating as stated in horsepower from data plate.
Boiler Average Firing Rate as determined by boiler operation/load.
Boiler Efficiency as determined by combustion analyzer.
Boiler Annual Run Hours as determined by boiler on time/usage.
Fuel Cost as determined by supplier.
Error messages will disappear when data is entered

BURNER/BOILER EFFICIENCY CALCULATIONS			
Burner/Boiler Operating Values - Present		Burner/Boiler Operating Values - Projected	
Burner/Boiler Output Rating:	250 HP	Burner/Boiler Output Rating:	250 HP
Burner/Boiler Average Input:	75.0 %	Burner/Boiler Average Input:	75.0 %
Burner/Boiler Average Output:	187.5 HP	Burner/Boiler Average Output:	187.5 HP
Burner/Boiler Average BTU Output	6,277,313 BTU/Hr	Burner/Boiler Average BTU Output	6,277,313 BTU/Hr
Present Burner/Boiler Efficiency	80 %	Projected Burner/Boiler Efficiency #	86.8 %
Burner/Boiler Average BTU Input	7,846,641 BTU/Hr	Burner/Boiler Average BTU Input	7,231,927 BTU/Hr
Burner/Boiler Annual Run Hours:	2,080 Hours	Burner/Boiler Annual Run Hours:	2080 Hours
Fuel Cost:	\$0.50 \$ per Therm	Fuel Cost:	\$0.50 \$ per Therm
Annual Fuel Cost:	\$81,605.06	Annual Fuel Cost:	\$75,212.04
		Projected Annual Fuel Savings	\$6,393.02
# Projected Burner/Boiler Efficiency Savings		Projected Installation Cost	\$6,000.00
Removal of Linkage Wear* (0 to 1.0)	0.0 %	Projected Return on Investment	0.9 year(s)
Improved Combustion** (.5 to 3.0)	0.0 %		
Increased Turndown*** (.5 to 1.5)	0.0 %		
Total Efficiency Savings	6.8 %		
NOTE: These are estimated savings. For dual fuel systems, calculate savings for each fuel for a total savings.			

Footnotes
*Linkage systems have wear over time.
**Linkage less systems have no hysteresis across actuator stroke, 0.1% accuracy.
**Linkage systems can not maintain consistent excess air across the firing curve.
**Linkage less systems can maintain consistent excess air across the firing curve, reducing stack temperature and emissions.
**Some installations may realize greater improvements in efficiency.
***Linkage systems lite-off and minimum modulation positions are typically the same.
***Linkage less system lite-off and minimum modulation positions are independant, increased turndown.

"Honeywell will not be responsible for any savings or failure to achieve the savings."