

GE Aerospace (formerly Smith's Aerospace)
Client

Grand Rapids, MI
Location

IT Center/Aerospace
Industry



Name of Manufacturer	Compressor Type	Refrigerant	Unit Age
Liebert FH199AUA10 (30 ton)	Reciprocating	R-22	25

Test Data	Before	After	Change
Temperature	24.00°F	35.25°F	+11.25°F
Days	11	8	-3
kWh Per Day	296	245	-51
Cost Per Day	\$29.60	\$24.50	-\$5.10
Cost Per Year	\$10,804.00	\$8,942.50	-\$1,861.50



Detail Summary

The results of this Case Study indicate a **17.23% overall reduction in kWh energy consumption**, adjusted for ambient temperature differentials, which translates into yearly cost savings/cost avoidance of \$1861.50, not including any potential future kWh price increases. GE Aerospace can therefore project a 500% ROI or greater over the next five years.