



# FREE-COOLING - A CASE STUDY

## PRESERVE FARM PROFITS

KoolJet's success is from engineering Cold-Storage Solutions from the farm to the factory. Our specialty of FREE-COOLING saves farmers THOUSANDS!



This Farmer **SAVES \$7,408**  
**... Each Year!**

### CASE STUDY PARAMETERS

A Wisconsin farmer in this Case Study requires 190,000 BTUH of cooling for his produce. He operates his cold-storage for 18-hours a days and pays \$0.10 per kWh to for power. With his set point and climate he runs 60% of the time in refrigeration mode using one or both compressors and 40% of the year he is able take advantage of KoolJet FREE-COOLING Mode. In this mode, NO compressors are needed.

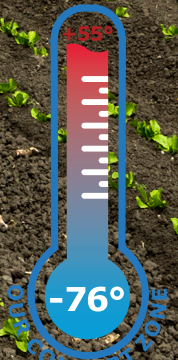
Automatic free-cooling includes an ambient temperature sensor. The KOOLJET controller operates a motorized damper and fan to provide outstanding energy savings whenever the outdoor ambient temperature is low enough.

Plus, automatic dehumidification and air re-heat provide complete control over temperature, humidity and energy efficiency in a single package that fully meets your requirements for critical cooling.

### STUDY RESULTS - Model KJL-2000

|   |          |
|---|----------|
| OPERATING COST - PRIMARY COOLING.....   | \$466/wk |
| OPERATING COST - FREE-COOLING.....      | \$113/wk |
| ANNUAL COST WITHOUT FREE COOLING.....   | \$24,242 |
| ANNUAL COST - DURING REFRIGERATION..... | \$14,452 |
| ANNUAL COST - DURING FREE-COOLING.....  | \$2,381  |
| ANNUAL COST TO OPERATE KOOLJET.....     | \$16,833 |

**ANNUAL SAVINGS FROM FREE COOLING..... \$7,408**  
**PLUS savings from Dual-Kool Technology!**



*Proven Refrigeration Technologies*

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