

Industry: Food

Application: Efficiency Savings Using XE Motors for Packaging Application

Products: Baldor•Reliance™ XE Motors

DOCUMENTED SAVINGS CASE STUDY NO. 8

The Challenge

A food facility uses standard motors for a packaging application. Recently they added 160 variable frequency drives to have more process control and to allow better communication on the network. However, the standard motors did not operate well on these drives and, over time, the insulation resin broke down (causing electrical shorts in the motor winding).

The Baldor Solution

We suggested that the customer replace the standard motors with Baldor•Reliance® XE motors. By comparing the customer's existing motor with our Reliance XE motor, we were able to show an overall cost savings.* Our Baldor•Reliance XE motors will not only hold up with the variable frequency drives, but will operate more efficiently—providing the customer with electrical cost savings.

* See back page for details of data analysis.

The Savings

As a result of using our Baldor•Reliance XE motors, there was an overall cost savings (over three years) of \$18,000. Operating costs were reduced by utilizing efficiency savings and because the motors ran correctly with the customer's existing drives.

The Conclusion

We reduced the customer's total cost of ownership by providing a Baldor•Reliance XE motor that would operate well with these particular drives. And we were able to provide documentation of these results before the equipment was installed.



