

Browning

This technician just helped to save his customer \$1,422 per year in one afternoon

** See Step #1 on page 2*



Notched v-belts are an energy responsible substitute for wrapped style v-belts

NOTCHED BELTS | UP TO 98% Efficient



WRAPPED BELTS | UP TO 95% Efficient



Based on independent test results

Save the Green

Energy Responsibility In Three Easy Steps

- 1 Upgrade from wrapped to notched belts and improve efficiency.
- 2 Worn sheaves allow belt slip. Inspect sheaves for wear. Wear greater than 1/32" can decrease efficiency 5% or more.
- 3 Properly tension belts.



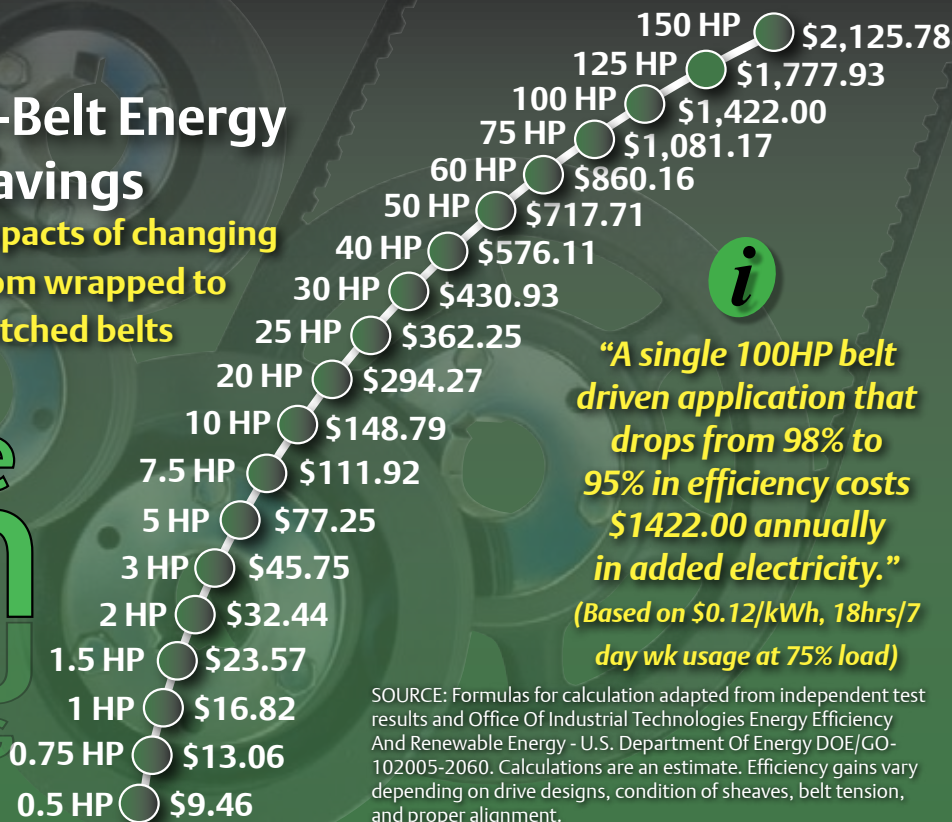
EMERSON
Industrial Automation

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1 V-Belt Energy Savings

Impacts of changing from wrapped to notched belts

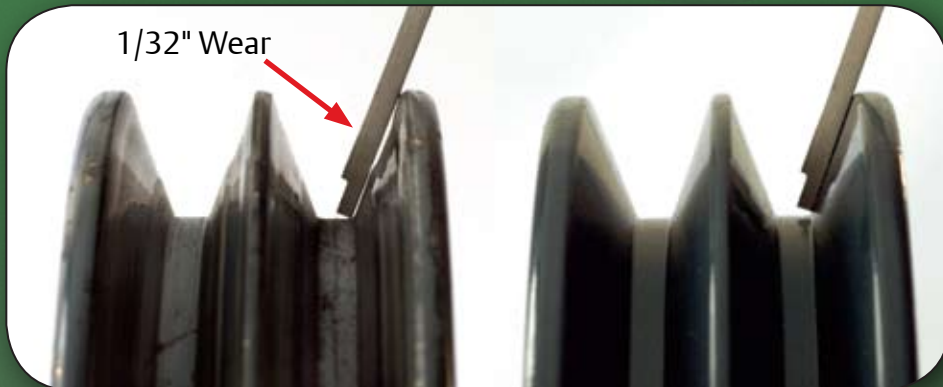


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“A single 100HP belt driven application that drops from 98% to 95% in efficiency costs \$1422.00 annually in added electricity.”
(Based on \$0.12/kWh, 18hrs/7 day wk usage at 75% load)

SOURCE: Formulas for calculation adapted from independent test results and Office Of Industrial Technologies Energy Efficiency And Renewable Energy - U.S. Department Of Energy DOE/GO-102005-2060. Calculations are an estimate. Efficiency gains vary depending on drive designs, condition of sheaves, belt tension, and proper alignment.

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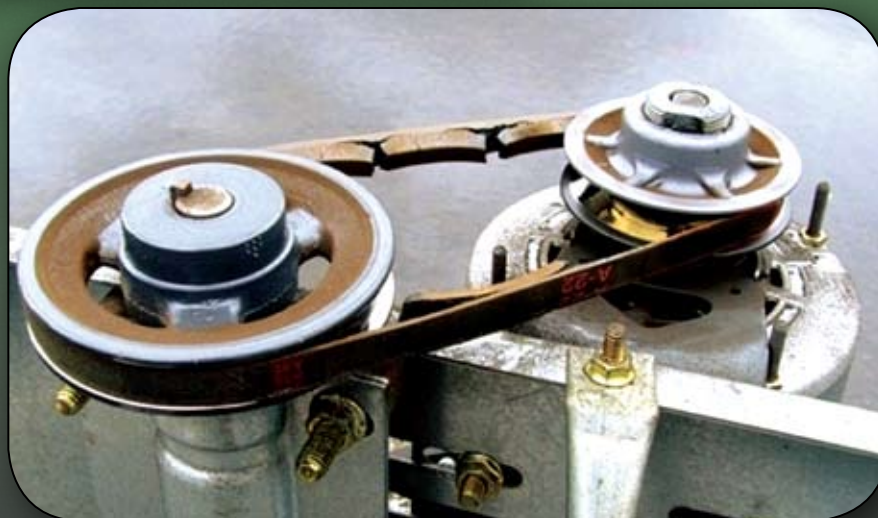


2 Replace Worn Sheaves

- Groove wear greater than 1/32" indicates replacement is needed
- Belt should never ride in bottom of groove
- Inspect for breaks on flange

3 Properly Tension Belts

Example of glazed belt due to under tensioning and worn sheaves.



APPLICATION CONSIDERATIONS

The proper selection and application of power transmission products and components, including the related area of product safety, is the responsibility of the customer. Operating and performance requirements and potential associated issues will vary appreciably depending upon the use and application of such products and components. The scope of the technical and application information included in this publication is necessarily limited. Unusual operating environments and conditions, lubrication requirements, loading supports, and other factors can materially affect the application and operating results of the products and components and the customer should carefully review its requirements. Any technical advice or review furnished by Emerson Power Transmission Corporation and its divisions with respect to the use of products and components is given in good faith and without charge, and Emerson assumes no obligation or liability for the advice given, or results obtained, all such advice and review being given and accepted at customer's risk.

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