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

NEW... *Belt Efficiency Calculator and "Save the Green" video details on page 2*

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.*

Energy Responsibility In Three Easy Steps

Browning®

1 Upgrade from wrapped to notched belts and improve efficiency

Impacts of changing from wrapped to notched belts

Save the Green®

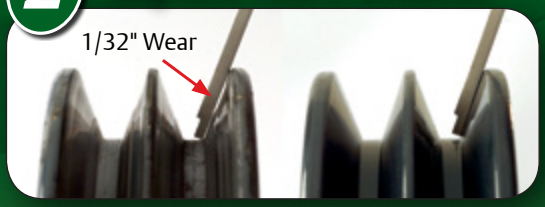
150 HP	$2,125.78
125 HP	$1,777.93
100 HP	$1,422.00
75 HP	$1,081.17
60 HP	$860.16
50 HP	$717.71
40 HP	$576.11
30 HP	$430.93
25 HP	$362.25
20 HP	$294.27
10 HP	$148.79
7.5 HP	$111.92
5 HP	$77.25
3 HP	$45.75
2 HP	$32.44
1.5 HP	$23.57
1 HP	$16.82
0.75 HP	$13.06
0.5 HP	$9.46

"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) *

Check out our video "Save the Green – Energy responsibility in three easy steps" at *PowerTransmissionSolutions.com/HVAC* or visit us on *YouTube.com/ThePowerTransmission*

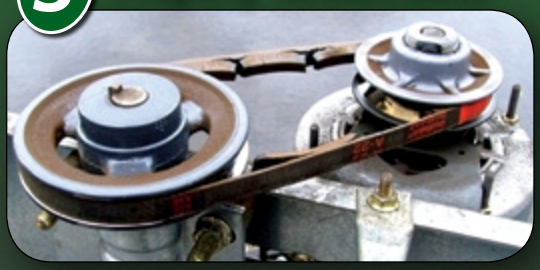
2 Replace Worn Sheaves



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

New Belt Drive Efficiency Calculator at *PowerTransmissionSolutions.com* under Engineering tools

3 Properly Tension Belts



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

Toolbox Technician® Mobile App

- Energy Efficiency Calculator
- GPS-activated "Where To Buy"
- Conversion tools
- And many other great features

*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.

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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