

PowerMiser™ Web App

A Powerful Energy Savings Calculator in the palm of your hand!

Get a grip on energy savings!

The new PowerMiser™ web app from Timken is a powerful, but simple energy savings calculator that can be accessed within Drive Engineer or saved as a separate application on your desktop or mobile device.

Calculate Energy Savings in 3 Easy Steps:

1. Enter the basic parameters of your belt drive system
2. Plug in your local utility rate
3. Select an energy efficient Carlisle® belt by Timken

Instantly see estimated annual energy costs, savings and payback!



powermiser.driveengineer.com

Desktop: Save to "Favorites"

Mobile Applications: "Add to Home Screen"

PowerMiser is a free web application and is not available from the App store.



Savings Examples for *YOUR* Application:

HVAC – Blowers & Fans

- Hospitals
- Schools & Universities
- Hotels - Casinos - Resorts
- Corporate facilities
- Retail properties
- Industrial and manufacturing
- Cooling towers

PowerMiser Calculator Example: HVAC Application: Wrapped Belt > Gold-Ribbon® Cog-Belt®			
Drive Parameters	Energy Calculations	Wrapped Belt	Gold-Ribbon Cog-Belt
Driver: 20 HP/1750 RPM	Annual KWH:	67,818	66,462
Driven: 825 RPM	Annual Energy Cost:	\$10,172	\$9,969
Motor Efficiency: 88%	Annual Energy Savings:	–	\$203.45
Electric Rate: \$0.15/Kwh	Belt Drive Premium:	–	\$100
Drive Operation: 4000 hours/year	Payback/Months:	5.90 months	

Pumps & Compressors

- Industrial
- Manufacturing
- Utilities

PowerMiser Calculator Example: Wrapped Belt > Panther® XT			
Drive Parameters	Energy Calculations	Wrapped Belt	Panther XT
Driver: 50 HP/1725 RPM	Annual KWH:	301,715	286,629
Driven: 1050 RPM	Annual Energy Cost:	\$42,240	\$40,128
Motor Efficiency: 90%	Annual Energy Savings:	–	\$2,112
Electric Rate: \$0.14/Kwh	Belt Drive Premium:	–	\$300
Drive Operation: 7280 hours/year	Payback/Months:	1.70 months	

Processing – Conveyors

- Industrial and manufacturing
- Food processing
- Mills
- Distribution

PowerMiser Calculator Example: Wrapped Belt > Panther®			
Drive Parameters	Energy Calculations	Wrapped Belt	Panther
Driver: 5 HP/400 RPM	Annual KWH:	35,604	33,824
Driven: 133.33 RPM	Annual Energy Cost:	\$5,697	\$5,412
Motor Efficiency: 88%	Annual Energy Savings:	–	\$285
Electric Rate: \$0.16/Kwh	Belt Drive Premium:	–	\$50
Drive Operation: 8400 hours/year	Payback/Months:	2.11 months	

TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, chain, belts, couplings and related mechanical power transmission products and services.

Stronger. By Design.

www.carlislebelts.com