

PowerMiser™ Web App

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

Get a grip on energy savings!

The PowerMiser™ web app from Timken® Belts is a powerful, but simple energy savings calculator that can be accessed within the Drive Engineer® web app 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 Timken belt

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 vs. 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 vs. 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 vs. 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® belts are part of The Timken Company's growing portfolio of engineered bearings and power transmission products. Timken Belts manufactures premium-performance power transmission belts that help keep industry in motion and the world more productive.

www.TimkenBelts.com