



CASINO SAVES WITH TIMKEN® POWER-WEDGE® COG-BELT®

CHALLENGE ▼

A large hotel, casino and conference center wanted to increase efficiency on its HVAC units. The complex had multiple air handling units with a 60 hp motor and a driver RPM of 1775. The dependability and efficiency of these HVAC drives was essential to maintaining casino operations, providing a positive experience for all patrons.

TIMKEN BELTS SOLUTION ▼

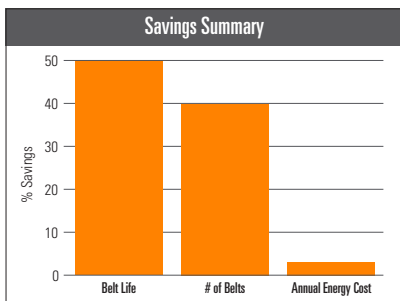
To accomplish the objective, Timken Belts experts recommended switching to Timken® Power-Wedge® Cog-Belts®. Five matched B158 wrapped belts were replaced with three Timken 5VX1700 Power-Wedge Cog-Belts per HVAC unit.

The new belts were tensioned and aligned, as proper tensioning is critical to satisfactory belt life and performance. Worn sheaves were replaced with new, larger diameter sheaves for increased energy efficiency.

RESULTS THAT MATTER ▼

After the switch to Timken Power-Wedge Cog-Belts, the casino experienced energy savings, reduced downtime and longer belt life.

- Increased annual cost savings due to decrease in energy usage, higher air flow and less power used
- Longer belt life caused by higher horsepower rating, resulting in fewer belts purchased over the life of the unit, as well as fewer preventative maintenance cycles
- Reduced belt replacement costs of maintaining a 3-belt drive vs a 5-belt drive
- Data from the U.S. Department of Energy confirms that cogged belts run cooler, last longer and have 2% higher efficiency than wrapped belts



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.



Performance Driven. **Performance Proven.**

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