

Robust Solutions for Heavy-Duty Mining Applications - TECO Electric Motors Australia and New Zealand

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Robust Solutions for Heavy-Duty Mining Applications

Enhancing Efficiency and Reliability in Mining Operations

Industry : Mining

TECO customer faced challenges with their existing motors, which impacted the performance and maintenance of their large belt conveyor application. They needed a powerful, reliable solution that could withstand the harsh conditions of mining environments while also contributing to sustainable operations.

Solution:

To address these challenges, TECO provided six 132kW, 4-pole TECO MAXe3 Mining series motors, specially modified in-house with oversized terminal boxes. These modifications ensured easier installation and maintenance, significantly reducing downtime.

Benefits to the Customer:

Robust Performance: With 132kW of power and a 4-pole design, the TECO MAXe3 motors deliver exceptional performance, ensuring smooth operation of even the most demanding conveyor systems.

Easier Maintenance: The in-house modifications to the oversized terminal boxes facilitate easier installation and maintenance, minimizing operational interruptions.

Built for Tough Conditions: Designed for heavy-duty mining applications, the TECO MAXe3 motors are built to withstand extreme conditions, ensuring uninterrupted operation and high productivity.

Energy Efficiency: These motors feature IE3 energy efficiency, helping to reduce energy consumption and support more sustainable mining practices.

Results:

The integration of the TECO MAXe3 motors into the belt conveyor system was executed flawlessly, demonstrating the importance of precise engineering and careful planning in large-scale mining

operations. These seamless fit minimized disruptions and maintained steady output, significantly enhancing operational efficiency.

For more information on how TECO can help improve your operations, please [Click here](#)

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