

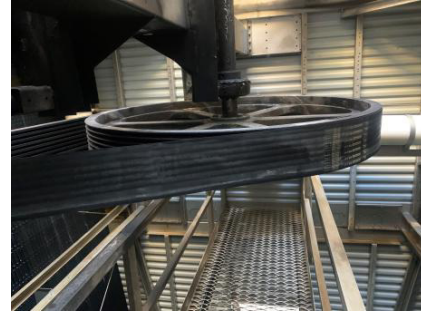
SUCCESS STORY

RED POWER 3 : COOLING TOWER



PROBLEM

A hospital operated a cooling tower equipped with an 8-B195 banded v-belt drive. This system required constant re-tensioning, and failure to maintain proper tension led to belt elongation and a drastically shortened service life. The ongoing maintenance burden also increased the risk of operational disruptions.



RECOMMENDATION

To address this, a drive design calculation was performed, which determined that four single SPB 5000 RP Optibelt RED POWER 3 V-belts could efficiently transmit the required power. This design change reduced the number of belts, leading to lower shaft loads and, consequently, extended bearing life.



BENEFITS

The installation of the Optibelt RED POWER 3 v-belts delivered immediate and measurable improvements. These belts are maintenance-free, eliminating the need for re-tensioning and significantly increasing service life. In addition to improved reliability, the belts also offered the advantage of ease of installation, reducing both installation time and complexity. Further benefits included a reduction in bearing loads, less wear on v-groove pulleys, and improved operational efficiency. The Optibelt RED POWER 3 belts are also widely used and readily available, ensuring consistent supply and reduced risk of downtime due to belt shortages.



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