

Bauer Gear Motor™ BK and BF Series Selected for an Asphalt Mixing Plant



PROBLEM

A major international asphalt mixing plant OEM required rugged-duty geared motors for use on various applications within their plants. Belt conveyors, mounted under multiple sorting bins, feed various sized aggregate into a large dryer. Additional geared motors drive tiered flights of conveyors inside the dryer drum. A drive is also utilized on a screw conveyor which transfers the hot, dried aggregate to the base of an elevator. Geared motors are used to power the bucket elevator which delivers the aggregate up to a raised batching unit for weighing, separating, and mixing with mineral fillers.

SOLUTION

Bauer application engineers provided technical advice during many visits with different customer engineering teams. Ultimately, Bauer geared motors were selected over competitive units due to Bauer's reputation for high-quality, well-engineered products, responsive delivery times and extensive global sales and service support.

To meet the customer's various application torque and speed change requirements, as well as space limitations, Bauer BK Series geared motors, size 40 to 90 were supplied for use on the various asphalt conveyors and elevator. Each dryer requires four BF Series gear motors.

HIGHLIGHTS

- BK and BF Series geared motors feature a hardened wear sleeve and spray ring
- Complies with NA and International standards, including NEMA, IEC, CSA, and CE
- Torque rating to 18500 Nm
- Low noise gearing
- IP65 Enclosure (Standard), IP66 (Optional)
- Completely enclosed, sealed against dust and moisture
- Corrosion protection CORO1, CORO2, CORO3
- Connection Standard with CAGE CLAMP

BAUER GEAR MOTOR™

Regal Rexnord

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The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale>.

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