

# AC Gearmotor Provides Big Power in Small Spaces

In response to customers demanding more power in a smaller space, gearmotor and electric motor manufacturer, Bison Gear & Engineering Corp. has introduced its new 100mm AC motor line offering 1/8 hp (93w) in 30% less volume than previously available. The new 4" diameter single phase motors have been mated to Bison's robust 200 Series parallel shaft gearing to offer up to 350 in-lbs (39.5 N-m) of continuous torque in a compact package with simple 3-wire hookup.

Bison's new 100mm AC Parallel Shaft Gearmotors are powered by these 115 volt, 60 Hz single-phase TEFC permanent split capacitor motors and offered in nine standard versions with gear ratios from 5.0:1 to 215.6:1 and fixed output speeds from 340 to 8 RPM respectively. Continuous output torques range from 16 to 350 in-lbs (1.8 to 39.5 N-m). Ideally suited for foodservice and stationary agricultural equipment, factory automation, conveying and specialty machinery applications, the nine new 100mm AC Parallel Shaft products are supported by Bison Gear's In-Stock, Instant-Ship (ISIS) program that supports Bison's distribution partners and offers same day shipment for orders received before noon (Central Time).

"Over the past few years we heard from customers that they were looking for a smaller 1/8 horsepower motor that would help them fit their increasingly smaller machine and equipment envelope, and that's what drove the development of the new 100mm AC motors," said Robert Lewton, electrical design engineer at Bison Gear. "This 100mm AC offering is the first of many innovative Bison new product introductions planned for our 50th anniversary year. In the 100mm AC alone, we will be expanding both our electrical and mechanical offerings shortly."

The new 100mm AC Parallel Shaft Gearmotors are American-made to Bison's high quality standards in its suburban Chicago facility in order to ensure reliable, long-life operation and a short supply chain for North American customers. In addition, Bison's Innopreneurial™ application and design engineering capabilities to customize the standard models to meet specific OEM needs are readily available.

About Bison Gear & Engineering Corp.

Celebrating its 50th Anniversary, Bison Gear & Engineering Corp. designs and manufactures fractional horsepower electric motors, gearmotors and gear reducers used in industrial and commercial OEM applications worldwide. Bison's strong engineering tradition, based on Robusticity™ principles, offers products with up to twice as much torque in the same package size as competitors. Bison's St. Charles, Illinois integrated production facility manufactures gearmotors and reducers in parallel shaft and right angle configurations, as well as AC and DC electric motors, for applications where dependability and long lifetimes are important.

[www.BisonGear.com](http://www.BisonGear.com) [1]

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