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Compumotor Division, North America: [Home](#) > [Literature](#) > Catalog

## BE Series Motors

### High Torque, Low Cost

Compumotor's BE Series brushless servo motors produce high continuous stall torque in a cost-reduced package.

The increased torque of the BE Series motors is the result of an increased number of magnetic poles on the rotor. Traditional motors in these frame sizes have four magnetic poles on the rotor, while the BE Series motors have eight poles.

The cost reduction of the BE Series motors is achieved from their open lamination design. Unlike a traditional servo motor, the BE Series motors do not have a metal housing. Instead, the laminations of the motor stator are shaped into the body of the motor. This design reduces both material costs and time required assembling the motor.

The BE Series motors are created using Compumotor's proven bridged stator design. This two-piece lamination design simplifies the manufacturing process, creating further cost savings. The bridged stator construction also results in less audible noise being generated by the motor.

The BE Series servo motors are available with integrated planetary gearheads in ratios up to 100:1. Our unique package integrates the gearhead pinion into the motor shaft, reducing the overall package length by up to 2 inches.

### Features

- Sizes 16, 23 and 34
- 2 to 43 lb-in continuous torque
- Brushless construction
- High torque density packaging
- Bridged stator design - quiet operation
- High performance neodymium magnets
- Thermoswitch protection
- 2000 line encoder standard
- Resolver feedback option
- Connectorization choices
- 10-day deliveries
- Two year warranty
- CAD (.dxf) drawings available
- CE Compliant


### Additional References

- [BE 16-frame Documentation](#) 1/11/2002 
- [BE 23-frame & 34-frame Documentation](#) 3/1/2000 
- [User guide](#)
- [Support and sample files](#)



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