Brushless DC Gearmotors for Class I/Div. 2 Hazardous Locations

Type 34B/SR-WX BLDC Gearmotors with Built-In Speed Controls

Our 34B4/SR-WX INTEGRA™ motors meet NEC Class I, Division 2 standards for use in environments where flammable gases or vapors may accidentally be spilled or leak into the operating area. Available as standard products, they combine a PWM speed control, a brushless DC motor and a high-torque gearhead in one compact package.

Class I, Division 2 Construction
- Suitable for environments where flammable vapors may occasionally be present
- Upgraded terminal boxes, gasket material and bushings
- Specially coated commutator assembly
- Control board coated for outdoor applications

34B4-WX Gearmotor Features
- High starting torque; linear speed-torque characteristics
- Ideal for variable speed applications
- Zero maintenance, lasts longer than brush-type DC motors
- All steel helical gears, synthetic lubricant
- No carbon dust from brushwear, no brushes to replace

INTEGRA Control Features
- 12 or 24 VDC rated models
- Inputs for run, brake, speed and direction
- 12 pulse/revolution tach output
- Dynamic braking for quick stops
- Current limit protects motor from overload

Typical Applications
Ideal for low-voltage automation systems, and for portable or remote applications where connection to an AC line is not possible. Also suitable for solar or battery powered equipment such as pumps, and automatic gate openers.

<table>
<thead>
<tr>
<th>Speed (rpm)</th>
<th>Rated Torque (lb-in.)</th>
<th>HP</th>
<th>Gear Ratio: 1</th>
<th>Radial Load (lbs)</th>
<th>Control Input Continuous Amps</th>
<th>Product Type</th>
<th>12 VDC Model No.</th>
<th>24 VDC Model No.</th>
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Availability: M-Item: 5-piece minimum order, 20-day lead-time; B-Item: 25-piece minimum order, 25-day lead-time
Brushless DC Gearmotors for Class I/Div. 2 Hazardous Locations
Type 34B/SR-WX BLDC Gearmotors with Built-In Speed Controls

- 7.983 max.
- 6.973 max.
- 4.02 Max.
- (3.189)
- 7.874 max.
- (3.548)
- 3.375±.010 typ.
- (1.33)
- 2.00±.03
- .81 max.
- .6250 .6245
- .802 max.
- .560±0.15
- .1875/.1855 sq. x
- 1.12 long key
- .1.31 not machined
- ø1.125/1.063 [hole for 3/4 NPT conduit hub]
- ø1.31
- 3.375±.010 typ.
- (1.6875) typ.
- (.8625) typ.
- 4.06±.02 Sq.
- (1.76)
- (1.6875) typ.
- (1.11)
- (1.93)
- (1.76)

Optional Accessory
Mounting bracket, model 0970

Gearmotor Weight
approximately 9 lbs.

Bodine offers over 1,200 standard gearmotors, motors and system-matched speed controls.

Visit bodine-electric.com for all your motion control needs.

Bodine offers the widest selection of variable-speed AC, permanent magnet DC and brushless DC fractional horsepower gearmotors and motors in the industry. For complete specifications, 2D/3D CAD drawings, or to order online, visit bodine-electric.com.