



34R-WX AC Inverter Duty Gearmotors

Our WX gearhead is now available with our inverter-duty, AC three-phase type 34R4 winding. The WX is a high-torque gearhead, built to provide longer life and higher performance than gearmotors of similar size. The dual voltage, 230/460VAC rated winding makes this gearmotor compatible with many AC inverter drives (VFDs) and for many industrial applications.

The WX gearhead is also offered with AC fixed speed (single-phase), permanent magnet DC and Brushless DC motor windings.

WX Gearhead Features

- All steel helical gears; lubricated for life
- Double the life of previous designs
- Gearing meets or exceeds AGMA 9 standards for quiet operation
- Synthetic lubricant improves performance, and allows these gearmotors to operate in a wide temperature range
- Adaptor plate, model 0995, allows for 3-hole mounting configuration

34R Inverter Duty Motor Features

- 230/460 VAC/60Hz, three-phase, variable speed, 1/6HP (124 Watts)
- Dual Voltage winding for a wide range of applications
- Inverter duty winding is designed to be compatible with a wide range of inverter (variable frequency) drives.
- Optional terminal box kits available, model 0984 or 0985 (for IP-44)



Typical Applications

These new gearmotors are designed to drive applications such as conveyor systems, packaging equipment, metering devices and commercial appliances.

Type 34R4-WX Parallel Shaft Inverter Duty Gearmotor (Ratings for 230/460VAC, Inverter Duty, 3-phase, 60Hz, Reversible, TEFC)

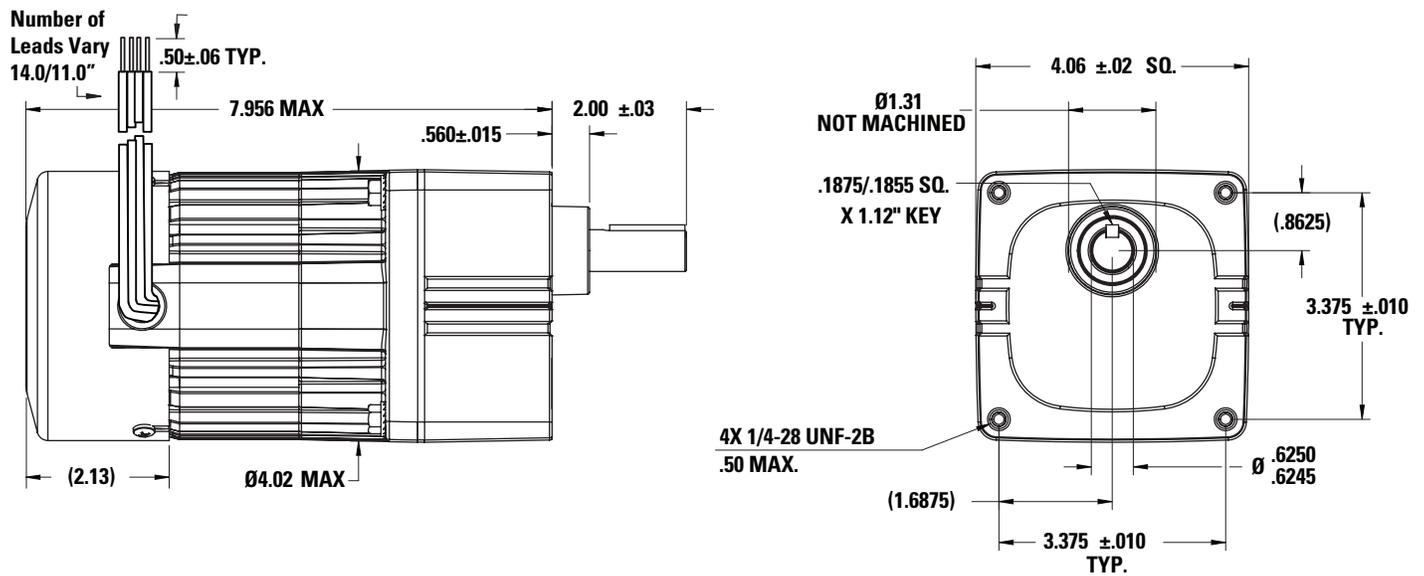
| Fixed Speed Ratings | | Variable Speed (SOA) Ratings ¹ | | | | | | Motor HP | Amps | Gear Ratio | Radial Load (lbs.) | Product Type | Model No. |
|---------------------|-----------------|-------------------------------------------|----------------------|-------------|----------------|----------------|----------------|----------|-----------|------------|--------------------|--------------|-----------|
| Speed (rpm) | Torque (lb-in.) | Speed Range (rpm) | Frequency Range (Hz) | Torque Type | Torque @ 10 Hz | Torque @ 60 Hz | Torque @ 90 Hz | | | | | | |
| 5 | 210 | 0.4-7.0 | 10-90 | constant | 210 | 210 | 210 | 1/6 | 1.0 / 0.5 | 312 | 300 | 34R4BFPP-WX4 | 2803 |
| 10 | 205 | 0.7-13 | | | 205 | 205 | 205 | | | 172 | 300 | 34R4BFPP-WX4 | 2804 |
| 17 | 195 | 1.2-33 | | | 195 | 195 | 195 | | | 98 | 300 | 34R4BFPP-WX4 | 2805 |
| 26 | 195 | 1.8-33 | | | 195 | 195 | 195 | | | 66 | 300 | 34R4BFPP-WX3 | 2806 |
| 31 | 190 | 2.2-40 | | | 190 | 190 | 190 | | | 55 | 300 | 34R4BFPP-WX3 | 2807 |
| 39 | 157 | 2.7-50 | | | 157 | 157 | 157 | | | 44 | 300 | 34R4BFPP-WX3 | 2808 |
| 57 | 106 | 4.0-73 | | | 106 | 106 | 106 | | | 30 | 290 | 34R4BFPP-WX3 | 2809 |
| 83 | 77 | 5.9-107 | | | 77 | 77 | 77 | | | 20 | 268 | 34R4BFPP-WX2 | 2829 |
| 123 | 46 | 8.7-158 | | | 46 | 46 | 46 | | | 14 | 250 | 34R4BFPP-WX2 | 2830 |
| 181 | 31 | 13-232 | | | 31 | 31 | 31 | | | 9 | 226 | 34R4BFPP-WX2 | 2831 |
| 309 | 18 | 22-397 | | | 18 | 18 | 18 | | | 6 | 195 | 34R4BFPP-WX2 | 2832 |
| 447 | 9 | 32-574 | | | 9 | 9 | 9 | | | 4 | 179 | 34R4BFPP-WX2 | 2833 |

1. SOA: Contact the factory for detailed speed/torque information (Safe Operating Area). Lead-time: all models typically ship within ten business days.



34R-WX AC Gearmotor (230/460 VAC, Inverter Duty, 3-Phase, 60 Hz)

Gearmotor Dimensions (inches)



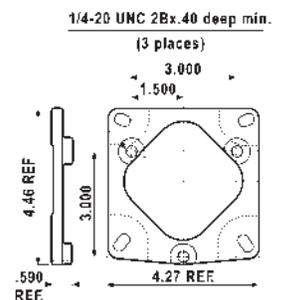
Accessories

- Optional "L" bracket model 0970 also available.
- Optional terminal box model 0984 allows for convenient wiring and mounting of capacitor



Bolt-on Adaptor for Three-Hole Mounting

The WX gearhead can easily be converted to be a drop-in replacement for applications that are configured with a three-hole mounting pattern. Adaptor plate kit model 0995 simply bolts to the existing mounting holes.



Get Our 2-Year System Warranty with a System Matched Inverter Speed Control

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

Get optimum performance and our exclusive 2-year warranty with a system-matched AC inverter speed control (VFD). From 1.4 to 4 Amps, output Voltage from 0-230V. Chassis and NEMA-1 and -4 enclosures models available.