



42R-FX AC Gearmotor

The new FX gearhead is now available with our new 3-wire-reversible 42R frame AC induction motor. The FX is a high-torque AC parallel shaft gearmotor that provides up to 40% more torque than previous E/F models. With just three wires (plus ground), the new 42R motor makes connecting the gearmotor to your application easier than ever.

FX Gearhead Features

- Up to 40% more torque than previous E/F models
- All steel hardened helical gears; gearhead lubricated for life
- 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
- Needle bearing on output shaft for increased radial load capacity and long life

42R Permanent Split Capacitor Motor

- 115 VAC/60 Hz, single-phase, fixed speed, 1/4 HP (186 Watts), Class F
- New 3-wire winding simplifies motor connections and reversing
- Run capacitor at 60 Hz (45 μ F/250 VAC, P/N 494 01145) required
- Motor can operate at 50 Hz with 40 μ F/250 VAC run capacitor, P/N 494 01147 (derated to 1/6 HP)
- Motor should come to full stop prior to reversing direction of rotation
- Run capacitor will fit into optional (oversized) terminal box kit, model 0985 (IP44)
- Special order 230 VAC 50/60Hz winding is also available

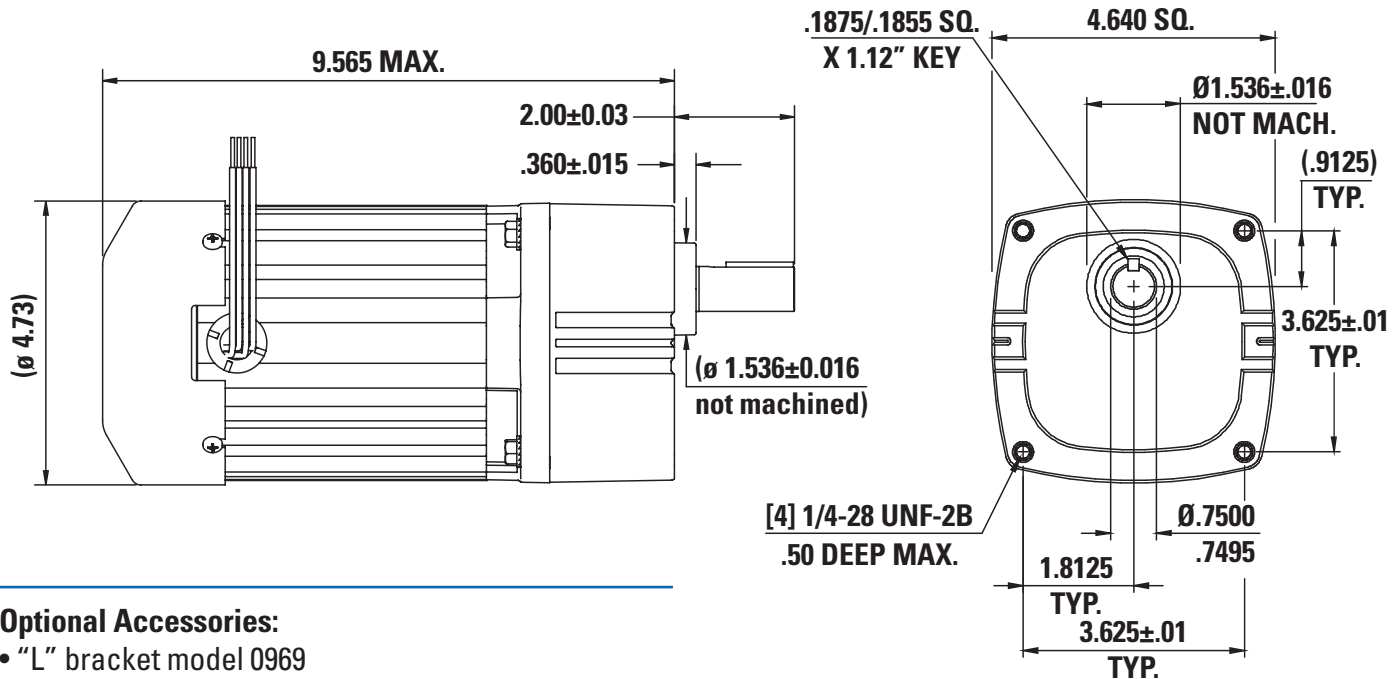


TYPICAL APPLICATIONS

These new gearmotors are designed to drive fixed-speed applications in medical equipment, conveyor systems, packaging equipment, metering devices and commercial appliances.

Speed (rpm)	Rated Torque (lb-in.)	Motor HP	VAC	Hz	Ph	Rated Current (Amps)	Gear Ratio	Radial Load (lbs.)	Weight (lbs. / kg)	Connection Diagram	Capacitor Part Number	Product Type	Model Number
5.7	350	1/4	115	60	1	2.9	300	200	16.5 / 7.5	07410019	49401145	42R6BFCI-FX4	5671
9.4	350						180	200		07410019		42R6BFCI-FX4	5669
14	350						120	200		07410019		42R6BFCI-FX4	5668
28	350						60	200		07410072		42R6BFCI-FX3	5685
57	243						30	300		07410072		42R6BFCI-FX3	5683
85	162						20	300		07410072		42R6BFCI-FX3	5681
115	122						15	300		07410019		42R6BFCI-FX2	5682
170	81						10	300		07410019		42R6BFCI-FX2	5680
340	42						5	60		07410072		42R6BFCI-FX1	5679

42R-FX Fixed-Speed AC Gearmotor (115 VAC, 60 Hz, 1-Phase)



Optional Accessories:

- “L” bracket model 0969
- Terminal box model 0985 (for applications that require the run capacitor inside the terminal box; IP-44)
- Terminal box model 0984 (for applications that do not require the run capacitor in the terminal box)

ALSO AVAILABLE

Permanent Magnet DC FX Gearmotors



We also offer a variable-speed PMDC gearmotor option with our 42A5-FX stock models. The 42A-FX gearmotors are available with either a 12/24 VDC or 90/130 VDC rated winding. These gearmotors are ideal for medical equipment, packaging machines, conveyor systems, printing equipment, and factory automation applications. Low Voltage models drive portable or remote applications where connection to an AC line is not possible. Select a Bodine motor speed control and get system-matched performance.

