



230/460 VAC Inverter Duty Gearmotors and Motors

These new dual-voltage models are available with both right angle and parallel shaft gearheads. They offer a range of torque, speed and horsepower to fit a wide variety of OEM applications. These highly efficient, variable speed AC motors and gearmotors can help to reduce power consumption and lower production costs. The new type 34R and 42R Pacesetter models complement the larger type 48R, dual-voltage motors and gearmotors that are already available up to 3/4 HP.

Type E and F parallel shaft gearmotors

- Gear ratios from 5:1 to 300:1; Torque from 25 to 341 lb.-in. (39 Nm)
- Up to 3/8 horsepower (280 W)

Type 5N right-angle gearmotors

- Gear ratios from 5:1 to 75:1; Torque from 54 to 116 lb.-in. (13 Nm)
- 3/8 horsepower (280 W)

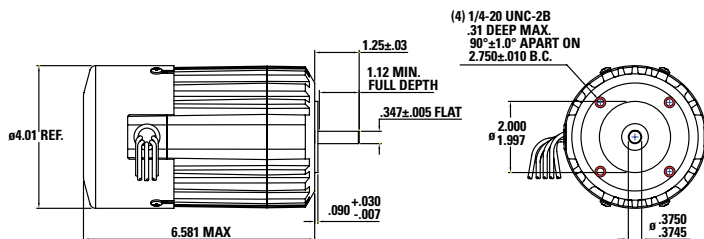
FIXED SPEED RATINGS					VARIABLE SPEED (SOA) RATINGS ²					Product Type	Model No. ¹
Speed (rpm)	Torque (lb-in)	Motor H.P.	Hz.	Gear Ratio	Speed (RPM)	Freq. Range (Hz)	Torque @10 Hz	Torque @60Hz	Torque @Max Hz		
THREE-PHASE, INVERTER DUTY, NON-SYNCHRONOUS, MOTOR, TEFC											
1700	148 ³	1/4	60	C-Face	120-3650	10-140	120*	247 ³	90 ³	34R6BFPP	2895
1700	222 ³	3/8	60	C-Face	177-3500	10-140	170*	281 ³	137 ³	42R6BFPP	2834
1700	222 ³	3/8	60	Base	177-3500	10-140	170*	281 ³	137 ³	42R6BFPP	2835
34R4-E, TEFC Parallel Shaft											
5.7	310	1/6	60	300	0.4-7.3	10-90	310	310	310	34R4BFPP-E4	2856
9.4	341	1/6	60	180	0.7-12	10-90	341	341	341	34R4BFPP-E4	2850
19	250	1/6	60	90	1.3-24	10-90	250	250	250	34R4BFPP-E4	2851
28	270	1/6	60	60	2.0-36	10-90	256	270	270	34R4BFPP-E3	2852
57	135	1/6	60	30	4.0-73	10-90	128	135	135	34R4BFPP-E3	2853
170	45	1/6	60	10	12-218	10-90	42	45	45	34R4BFPP-E2	2854
340	25	1/6	60	5	24-436	10-90	22	25	25	34R4BFPP-E1	2855
42R6-F, TEFC Parallel Shaft											
57	250	3/8	60	30	5.9-77	10-90	250	250	250	42R6BFPP-F3	2860
85	167	3/8	60	20	8.8-115	10-90	167	167	167	42R6BFPP-F3	2861
113	173	3/8	60	15	12-153	10-90	140	173	173	42R6BFPP-F2	2864
170	115	3/8	60	10	18-229	10-90	93	115	115	42R6BFPP-F2	2862
340	58	3/8	60	5	35-459	10-90	48	58	58	42R6BFPP-F1	2863
42R6-5N, TEFC Right Angle											
23	121	3/8	60	75	2.4-31	10-90	116	116	116	42R6BFPP-5N	2870
43	113	3/8	60	40	4.4-57	10-90	109	109	109	42R6BFPP-5N	2871
57	109	3/8	60	30	5.9-7	10-90	104	104	104	42R6BFPP-5N	2875
85	103	3/8	60	20	8.9-115	10-90	98	98	98	42R6BFPP-5N	2872
170	101	3/8	60	10	18-229	10-90	66	105	101	42R6BFPP-5N	2873
340	54	3/8	60	5	35-458	10-90	38	68	59	42R6BFPP-5N	2874

1. Select standard models are made to order, and require lead-time. Please contact our customer service staff for details. 2. Contact the factory for detailed speed/torque information (Safe Operating Area). 3. Motor Torque in oz.-in. (Gearmotors in lb.-in.)

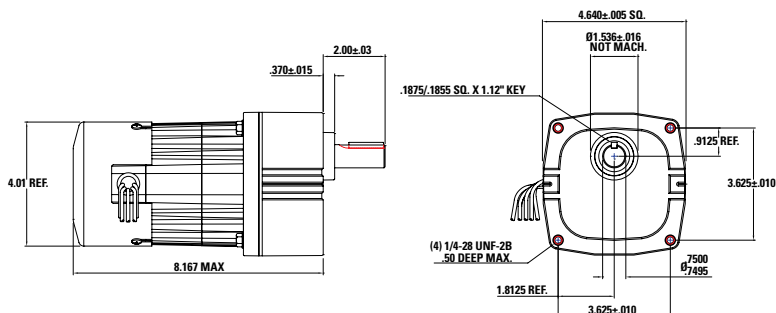


Dimensions: New 230/460 VAC Inverter Duty Gearmotors and Motors

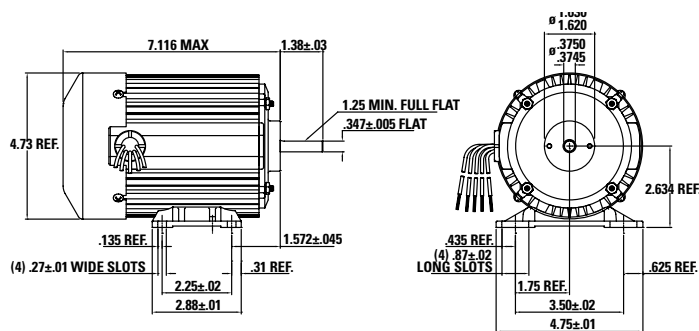
34R Motor (Face Mount)



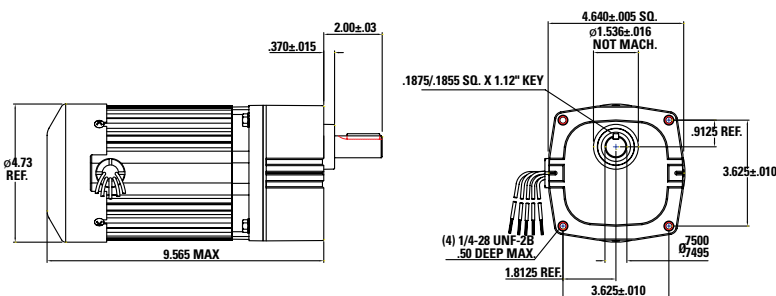
34R-E Parallel Shaft Gearmotor



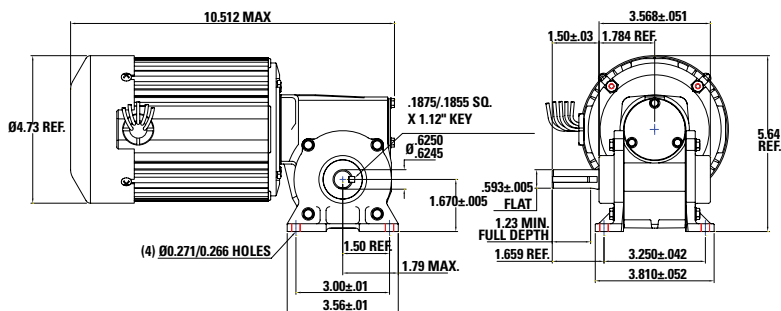
42R Motor (Base Mount)



42R-F Parallel Shaft Gearmotor



42R-5N Right Angle Gearmotor



Typical Applications

- Industrial conveyor systems and factory automation
- Where 460 VAC 3-phase power is the only option
- Where 460 VAC drives are available

More 230 VAC Pacesetter Models available Online

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

We stock the largest selection of FHP (fractional horsepower) 230 VAC, 3-phase inverter duty gearmotors, motors and speed controls. FHP inverter duty gearmotors and motors are ideal when low-cost, low voltage AC drives are used. Typical input voltages for small AC drives are 115 VAC or 230 VAC single-phase, or 230 VAC three-phase (50/60Hz).

