



Double-Reduction Gearmotors Provide High Torque At Low Speeds

- Available with 30R AC, 24A DC, and 22B brushless DC motors.
- 200:1 up to 3600:1 gear ratio; up to 147 lb-in. (16 Nm) torque.
- Output speeds range from 0.4 to 12.5 rpm.
- Unvented gearhousings, lubricated for life.
- Hardened worm gears.
- The gearmotor is offered with a variety of built-to-order shaft options, including single, double or hollow shaft configurations.
- Face-mount on the drive-shaft side, or bottom-mount is standard.



Typical Applications

The type 3RD gearmotors are designed for applications that require very slow rotation and high torque. The compact design is ideal for applications where space is limited. Typical applications include conveyor systems, food processing equipment, medical equipment and factory automation.

AC INDUCTION GEARMOTORS

Speed (rpm)	Torque (lb-in.)	Motor (HP)	V	Frequency (Hz)	Ph	A (Amps)	Gear Ratio	Length XH (in.)	Weight (Ref. lbs.)	Product Type	Model Number
TYPE 30R-3RD (Permanent Split Capacitor, Fixed Speed, Non-Sync, Right-Angle Gearmotors, TENV)											
0.4	95	1/30	115	60	1	0.47	3600	8.16	9	30R2BECI-3RD	N8536
1.1	121	1/30	115	60	1	0.47	1400	8.16	9	30R2BECI-3RD	N8514
2.7	148	1/20	115	60	1	0.59	600	8.66	10.5	30R4BECI-3RD	N8506
5.3	101	1/20	115	60	1	0.59	300	8.66	10.5	30R4BECI-3RD	N8503
8.0	88	1/20	115	60	1	0.59	200	8.66	10.5	30R4BECI-3RD	N8502
TYPE 30R-3RD PACESETTER™ (Inverter Duty, Variable Speed, Non-Sync, 10-90 Hz, TENV)											
0.5	95	1/25	230	60	3	0.38	3600	8.16	9	30R2BEPP-3RD	N8036
1.2	121	1/25	230	60	3	0.38	1400	8.16	9	30R2BEPP-3RD	N8014
2.8	148	1/17	230	60	3	0.48	600	8.66	10.5	30R4BEPP-3RD	8006
5.7	146	1/17	230	60	3	0.48	300	8.66	10.5	30R4BEPP-3RD	N8003
8.5	141	1/17	230	60	3	0.48	200	8.66	10.5	30R4BEPP-3RD	N8002

PERMANENT MAGNET DC GEARMOTORS TYPE 24A-3RD

Speed (rpm)	Torque (lb-in.)	A (Amps)		Motor HP	Form Factor	Gear Ratio	Length XH (in.)	Wt. (lbs.)	Product Type	Model Number	
		24V	130V							24V	130V
0.7	95	1.8	—	1/25	1.0	3600	8.07	7.9	24A2BEPM-3RD	N4336	—
0.7	95	—	0.3	1/29	1.0	3600	8.07	7.9	24A2BEPM-3RD	—	N4036
1.8	121	1.8	—	1/25	1.0	1400	8.07	7.9	24A2BEPM-3RD	N4314	—
1.8	121	—	0.3	1/29	1.0	1400	8.07	7.9	24A2BEPM-3RD	—	N4014
4.2	147	2.6	0.48	1/17	1.0	600	8.82	8.4	24A4BEPM-3RD	N4306	N4006
8.3	108	2.6	0.48	1/17	1.0	300	8.82	8.4	24A4BEPM-3RD	N4303	4003
12.5	92	2.6	0.48	1/17	1.0	200	8.82	8.4	24A4BEPM-3RD	N4302	N4002

BRUSHLESS DC GEARMOTORS TYPE 22B-3RD

Speed (rpm)	Torque (lb-in.)	A (Amps)		Motor HP	Gear Ratio	Length XH (in.)	Wt. (Ref. lbs.)	Product Type	Model Number	
		24V	130V						24V	130V
0.7	95	2.8	0.48	1/16	3600	8.17	6.75	22B2BEBL-3RD	N5336	N5036
1.8	121	2.8	0.48	1/16	1400	8.17	6.75	22B2BEBL-3RD	5314	N5014
4.2	147	2.8	0.48	1/16	600	8.17	6.75	22B2BEBL-3RD	N5306	N5006
8.3	144	5.9	0.89	1/8	300	9.13	7.75	22B4BEBL-3RD	N5303	N5003
12.5	140	5.9	0.89	1/8	200	9.13	7.75	22B4BEBL-3RD	N5302	N5002

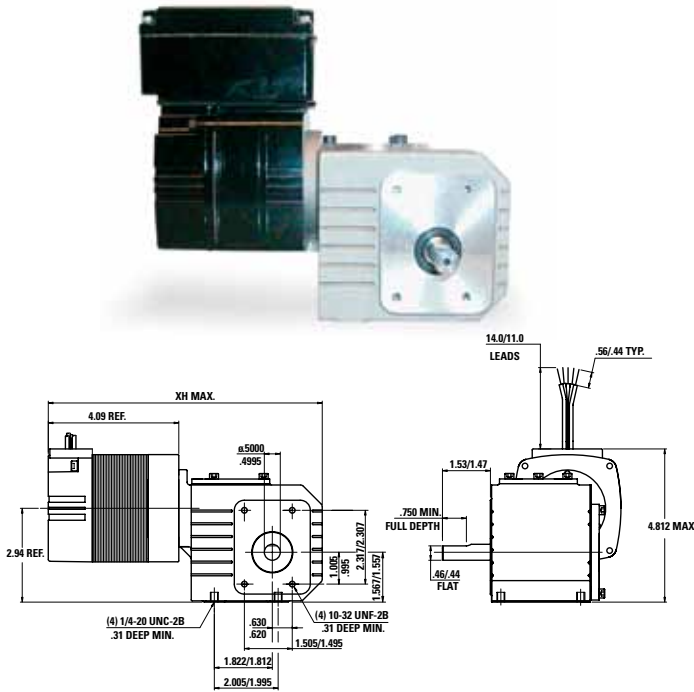
N-models require minimum order quantities and lead-time.



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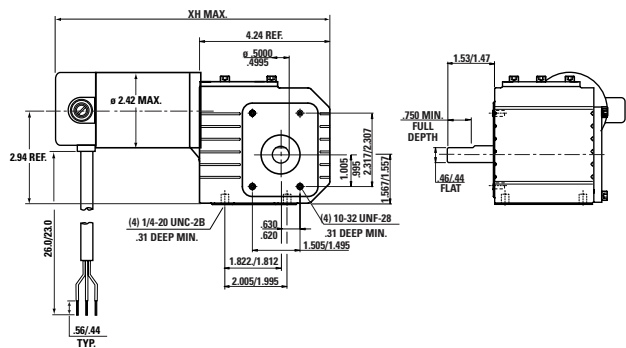
AC Induction (115 and 230 VAC)

30R-3RD (stock model shown with optional terminal box, model 5982)



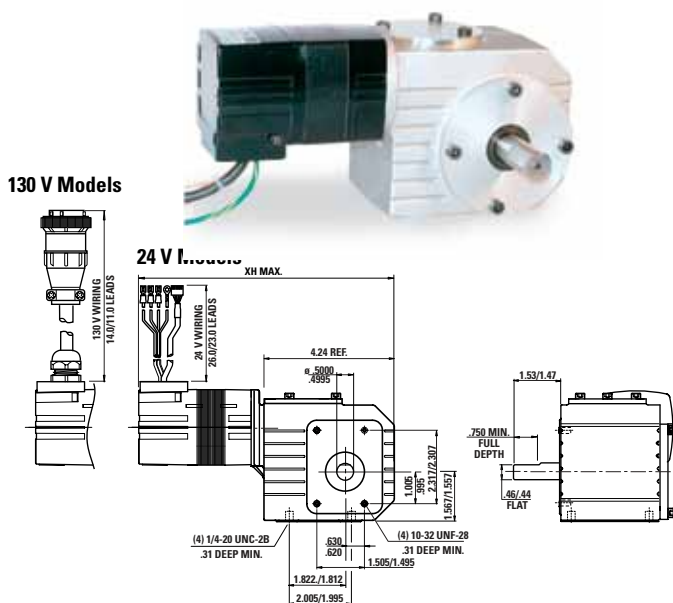
Permanent Magnet DC (24 and 130 VDC)

24A-3RD (custom model shown with mounting studs and encoder)



Brushless DC (24 and 130 VDC)

22B-3RD (custom model shown with special lead exit and drive shaft)



Bodine offers over 1,000 standard gearmotors, motors and system-matched speed controls.

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Bodine offers a large selection of fixed and variable-speed AC, permanent magnet DC and brushless DC fractional horsepower (FHP) gearmotors, as well as motors and matched speed controls. For complete specifications or to download 2D/3D CAD drawings, visit bodine-electric.com.

