

Double reduction, right angle...to 43 Lb-in.



- Shielded Ball Bearings on Motor Shaft
- Porous Bronze Sleeve Bearings on Gear Shafts
- Worms Cut on Alloy Steel Shafts
- Laminated Bakelite Primary Gear
- Bronze Secondary Gear
- Oil Seal on Output Shaft

General

The "N-1RG" is a double reduction worm gearmotor that combines our "RG" gearhead with our "N-1" motor. The "N-1RG" is engineered to deliver moderate torques at low speeds. The motor shaft employs grease lubricated ball bearings. The primary and secondary worms are of hardened alloy steel. The primary gear is of bakelite and the secondary is of hard bronze. The gear reducer shafts rotate in sleeve bearings. Internal thrust provisions include ball bearing against disc for downward action and needle thrust bearings for upward action. A lip-type oil seal is used on the output shaft. The gear housing is grease lubricated.

Notes

Mounting positions—see page 3.

* See pages 3.

** Capacitor Data—Capacitor and rubber boot are not included with the motor. Order separately by Part Number shown. See page 21 for dimensions.

□ Speeds will vary from listed ratings dependent on actual torque loading. Speed and Hp ratings shown are AC/(DC).

☆ Available while supplies last after December 31, 1997.

Speed Rpm (Max.)	Safe Torque Lb-in.	Gear Ratio to 1	Motor Hp	Bodine Type	Model No.	Connection Diagram*	Rotation*	Capacitor Part No.**
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SPLIT PHASE, NON-SYNCHRONOUS—115 V.—60 Hz.—1 Ph.—Self-Ventilated

1.6	43	1080	1/125	NSI-12RG	346 ☆	074 10004 4-lead	Reversible	None
3.6	38	480	1/70		344 ☆			
4.8	37	360	1/70		343 ☆			
7.2	40	240	1/50		342 ☆			
9.6	39	180	1/50		341 ☆			
14	35	120	1/50		339 ☆			
19	26	90	1/50		338 ☆			
29	20	60	1/50		337 ☆			

CAPACITOR, NON-SYNCHRONOUS—115 V.—60 Hz.—1 Ph.—Self-Ventilated

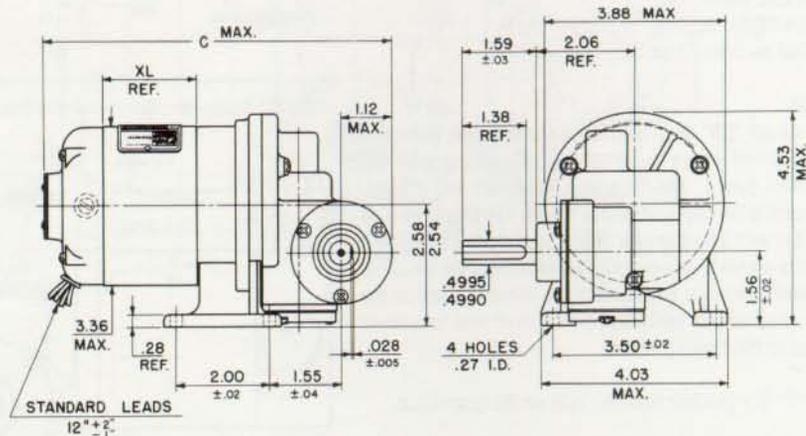
1.6	43	1080	1/125	NCI-12RG	418 ☆	074 10005 4-lead	Reversible	494 00027
3.6	38	480	1/70		417 ☆			494 00028
7.1	40	240	1/50		440 ☆			494 00028
9.6	39	180	1/50		416 ☆			494 00028
14	35	120	1/50		415 ☆			494 00028
19	26	90	1/50		414 ☆			494 00028
29	20	60	1/50		413 ☆			494 00028

SERIES WOUND—115 V.—Universal—60 Hz. (DC)—Self-Ventilated □

49 (65)	25	120	1/25 (1/18)	NSE-11RG	118 ☆	074 10001 2-lead	CW	None
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SHUNT WOUND—115 VDC—Totally Enclosed ‡ §

3.6	38	480	1/50	NSH-12RG	557 ☆	074 10085 5-lead	Reversible	None
7.2	40	240	1/50		556 ☆			
14	35	120	1/50		553 ☆			
19	26	90	1/50		552 ☆			
29	20	60	1/50		551 ☆			



Dimensions (inches)

Bodine Type	C	XL	Approx. Ship. Wt. Lbs.
N-11RG	7.25	1.75	7-1/2
N-12RG	7.50	2.00	8-1/2