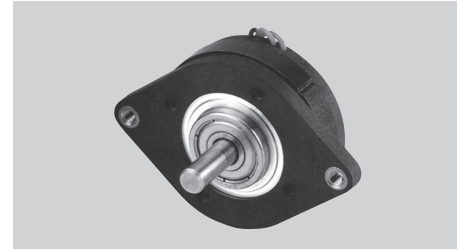


# 14HC SERIES 1.2°

## Encapsulated Stepping Motor

### Key Features

- 35% More Torque
- Quieter & Smoother
- Longer Life



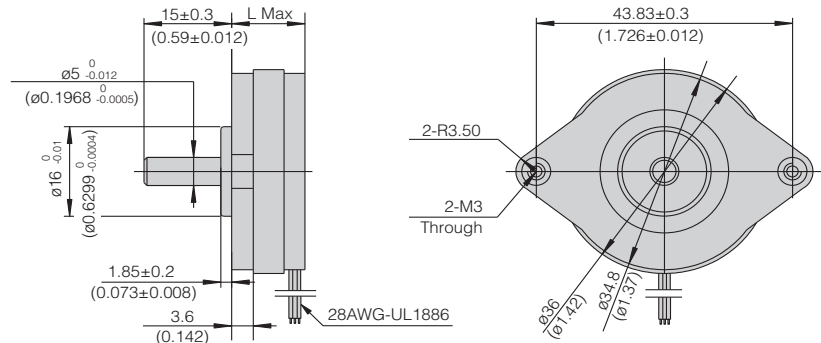
### General Specifications

Series & Length	Model Number	Holding Torque		Rated Current	Resistance per Phase	Inductance per Phase	Detent Torque		Rotor Inertia	
		mNm	oz-in	A	ohm	mH	mNm	oz-in	g.cm <sup>2</sup>	oz-in <sup>2</sup>
14HC0 12.8 mm (0.50 in.)	14HC0301N	33	4.7	1	1.68	0.82	4	0.57	4	0.022
14HC2 20.2 mm (0.80 in.)	14HC2301N	90	12.7	1.25	1.45	0.85	10	1.4	11	0.060

- Wiring Connection, Lead Wires, Schematic Diagrams & Stepping Sequence.....Page 62 - 64

### Mechanical Dimension

Series	L	Mass
	mm (in.)	kg (lb.)
14HC0	12.8 (0.50)	0.06 (0.13)
14HC2	20.2 (0.80)	0.11 (0.24)

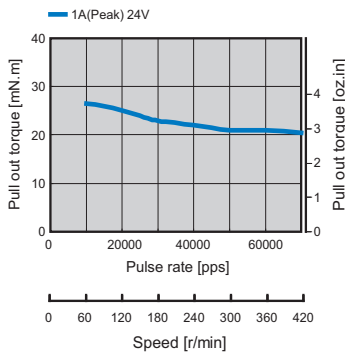


Unit: mm(inch)

### Dynamic Torque Curves

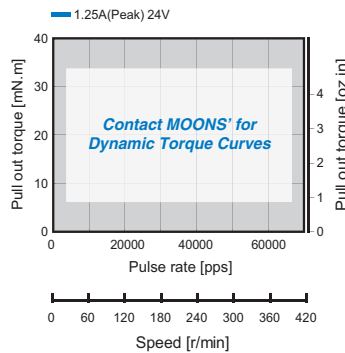
#### 14HC0301N

Conditions:  
Driver: MS3ST10  
Mode: 10000 Step/Revolution



#### 14HC2301N

Conditions:  
Driver: MS3ST10  
Mode: 10000 Step/Revolution



Why Stepping Motor

encapsulated 2 phase NEMA 14

encapsulated 3 phase NEMA 14 NEMA 17

new release 2 phase NEMA 8

new release 2 phase NEMA 14

new release 2 phase NEMA 16

2 phase NEMA 10 25.0 mm (1.00 inch)

2 phase NEMA 11 28.0 mm (1.10 inch)

2 phase NEMA 14 35.0 mm (1.38 inch)

2 phase NEMA 16 39.0 mm (1.53 inch)

2 phase NEMA 17 42.0 mm (1.65 inch)

2 phase NEMA 23 56.0 mm (2.22 inch)

2 phase NEMA 24 60.0 mm (2.36 inch)

2 phase NEMA 34 86.0 mm (3.39 inch)

3 phase NEMA 24 60.0 mm (2.36 inch)

3 phase NEMA 34 86.0 mm (3.39 inch)

how to select