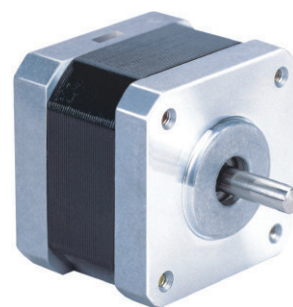


17HE SERIES 3.6°

Key Features

- Low Inertia
- Low Noise
- High Acceleration



General Specifications

Bi-polar

Model Number	Resistance per Phase	Inductance per Phase	Rated Current	Holding Torque		Detent Torque		Rotor Inertia	
	ohm	mH	A	mNm	oz-in	mNm	oz-in	g.cm ²	oz-in ²
17HE1401-01	12	9.4	0.58	80	11.33	15	2.12	20	0.11
17HE1402-01	150	100	0.16	80	11.33	15	2.12	20	0.11
17HE1403-01	0.85	0.7	2.5	90	12.74	15	2.12	20	0.11

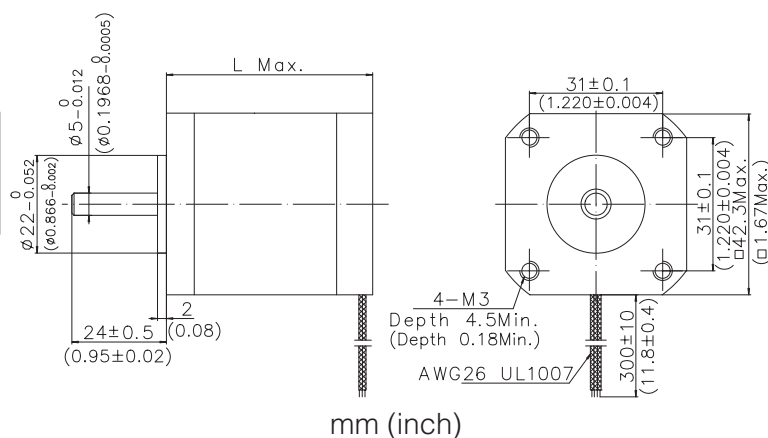
Uni-polar

Model Number	Resistance per Phase	Inductance per Phase	Rated Current	Holding Torque		Detent Torque		Rotor Inertia	
	ohm	mH	A	mNm	oz-in	mNm	oz-in	g.cm ²	oz-in ²
17HE1603-02	75	35	0.2	60	8.50	15	2.12	20	0.11
17HE1604-01	50	25	0.25	60	8.50	15	2.12	20	0.11
17HE1606-02	12	5.5	0.58	60	8.50	15	2.12	20	0.11

Motor Wiring Diagram —> Page A-8

Mechanical Dimension

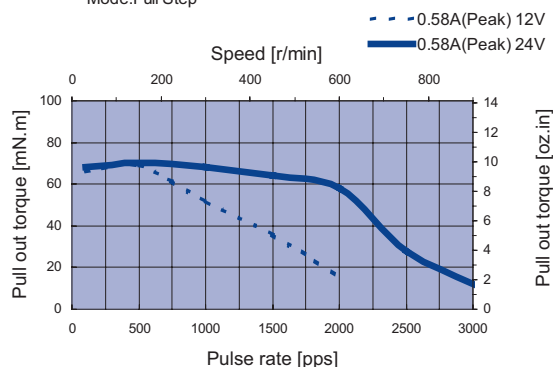
Model Number	L	Mass
	mm (in.)	kg (lb.)
17HE**	34.3 (1.35)	0.2 (0.44)



Dynamic Torque Curves

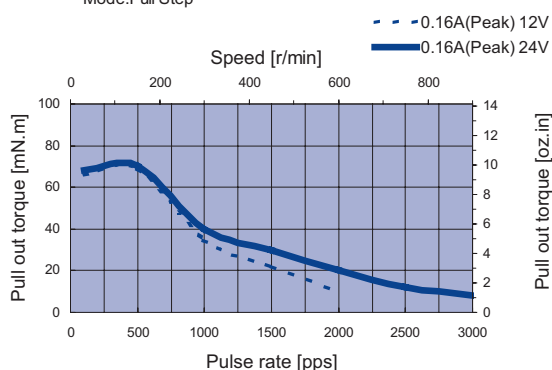
17HE1401-01

Conditions: Bi-polar Constant Current Driver
IC: AMA MS3540M
Mode: Full Step



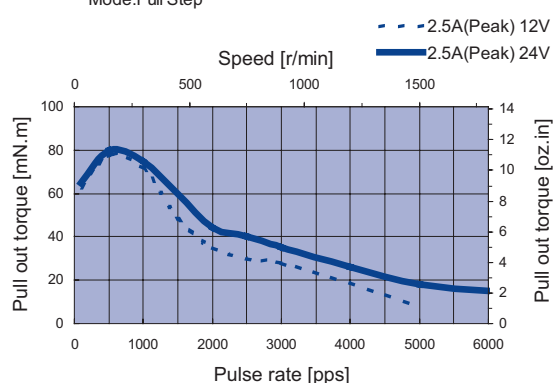
17HE1402-01

Conditions: Bi-polar Constant Current Driver
IC: AMA MS3540M
Mode: Full Step



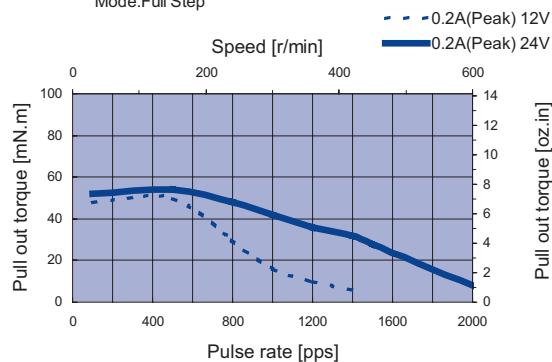
17HE1403-01

Conditions: Bi-polar Constant Current Driver
IC: AMA MS3540M
Mode: Full Step



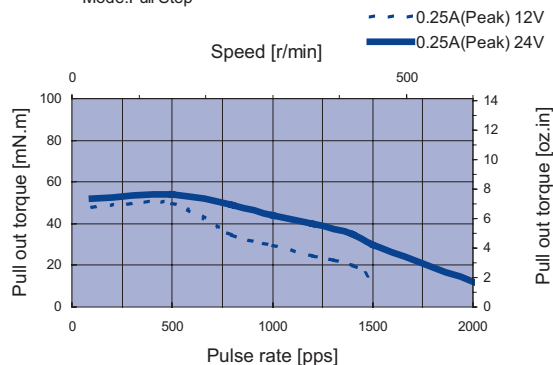
17HE1603-02

Conditions: Uni-polar Constant Current Driver
IC: AMA MSU3040M
Mode: Full Step



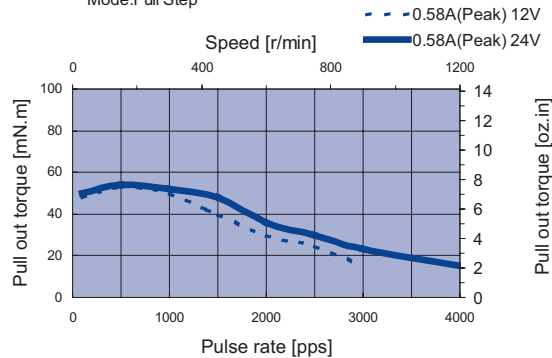
17HE1604-01

Conditions: Uni-polar Constant Current Driver
IC: AMA MSU3040M
Mode: Full Step



17HE1606-02

Conditions: Uni-polar Constant Current Driver
IC: AMA MSU3040M
Mode: Full Step



□ 0.39in.
(□ 10mm)

□ 1.10in.
(□ 28mm)

□ 1.38in.
(□ 35mm)

□ 1.53in.
(□ 39mm)

□ 1.65in.
(□ 42mm)

□ 2.22in.
(□ 56.4mm)

□ 2.25in.
(Ø 57.2mm)

□ 2.36in.
(□ 60mm)

□ 3.35in.
(□ 85mm)

□ 3.39in.
(Ø 86mm)