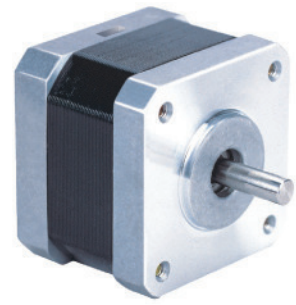# 17HA SERIES 0.9°

Key Features

- High Accuracy
- Low Noise
- Smooth Movement

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.cm²	oz-in²
17HA0403-44N	8	11	0.43	90	12.75	8	1.13	20	0.11
17HA4401-05N	3.1	3.6	0.87	180	25.50	12	1.70	38	0.21
17HA4402-16N	20	23	0.5	220	31.16	12	1.70	38	0.21
17HA7402-06	6.6	7	0.65	70	9.92	5	0.71	15	0.08

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.cm²	oz-in²
17HA0601N	8	4	0.43	50	7.08	8	1.13	20	0.11
17HA4605N	3.1	2.3	0.87	160	22.66	12	1.70	38	0.21
17HA4606N	20	13	0.5	200	28.33	12	1.70	38	0.21
17HA7602	6.6	2.9	0.65	30	4.25	5	0.71	15	0.08

Mechanical Dimension

Model Number	L	Mass
	mm (in.)	kg (lb.)
17HA0**N	28 (1.10)	0.19 (0.42)
17HA4**N	34.3 (1.35)	0.23 (0.51)
17HA7**	20 (0.79)	0.12 (0.26)

mm (inch)
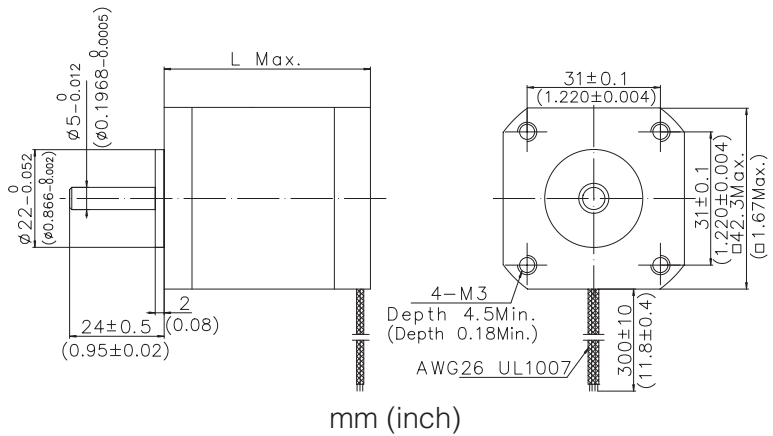
Dynamic Torque Curves

17HA0403-44N

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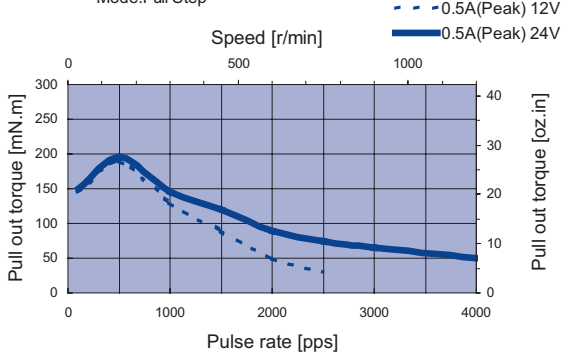IC: AMA MS3540M
Mode:Full Step

- - - 0.43A(Peak) 12V
——— 0.43A(Peak) 24V
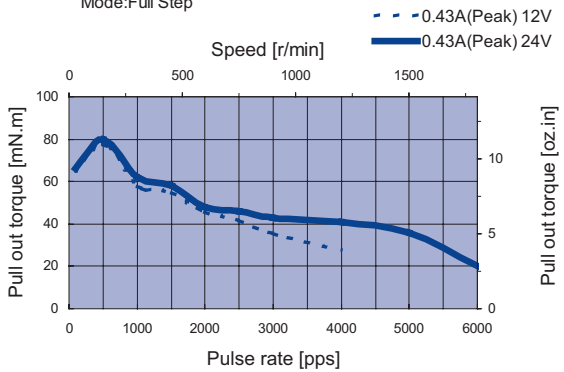
17HA4401-05N

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

- - - 0.87A(Peak) 12V
——— 0.87A(Peak) 24V
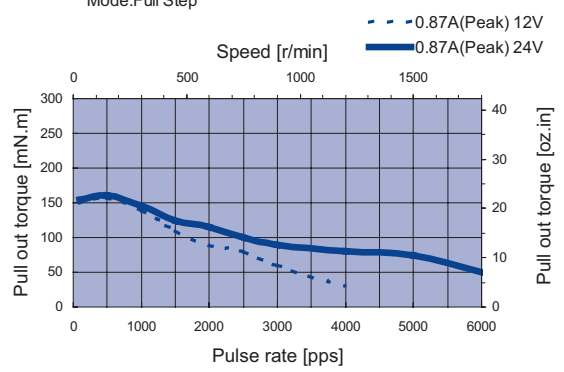
17HA4402-16N

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

- - - 0.5A(Peak) 12V
——— 0.5A(Peak) 24V

17HA7402-06

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

- - - 0.65A(Peak) 12V
——— 0.65A(Peak) 24V
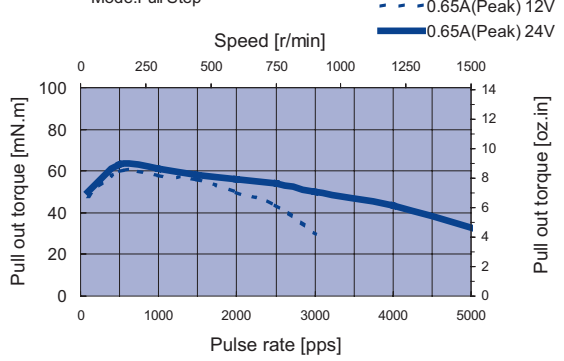
17HA0601N

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

- - - 0.43A(Peak) 12V
——— 0.43A(Peak) 24V
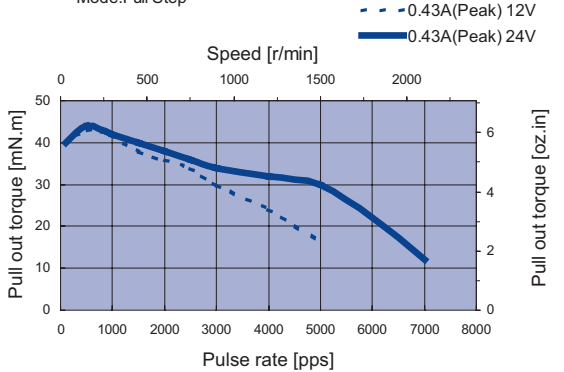
17HA4605N

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

- - - 0.87A(Peak) 12V
——— 0.87A(Peak) 24V

HYBRID STEPPING MOTORS

0.9°

1.8°

3.6°

3.75°

1.2°

2-PHASE

3-PHASE

HB MOTOR

DIGITAL LINEAR ACTUATOR

INTERGRATED STEPPING MOTOR

MOTOR DRIVER

□0.39in.
(□10mm)

□1.10in.
(□28mm)

□1.38in.
(□35mm)

□1.53in.
(□39mm)

□1.65in.
(□42mm)

□2.22in.
(□56.4mm)

⌀2.25in.
(⌀57.2mm)

□2.36in.
(□60mm)

□3.35in.
(□85mm)

⌀3.39in.
(⌀86mm)
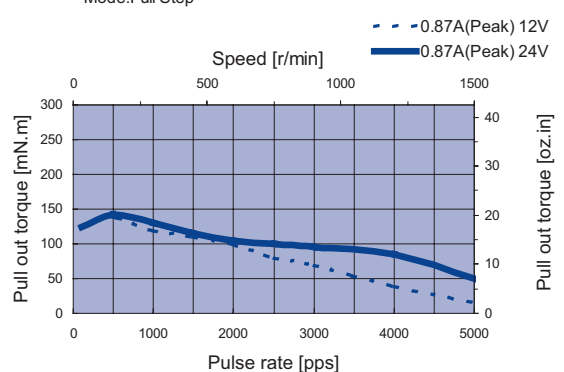
Dynamic Torque Curves

17HA4606N

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

- - - 0.5A(Peak) 12V
——— 0.5A(Peak) 24V
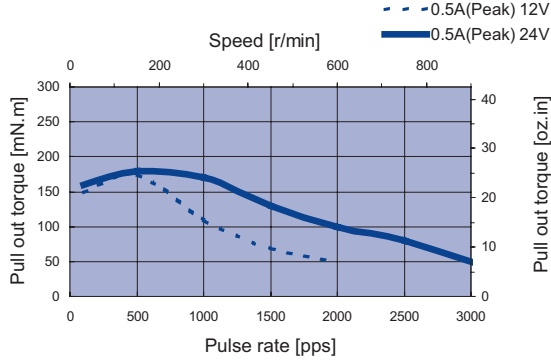
17HA7602

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

- - - 0.65A(Peak) 12V
——— 0.65A(Peak) 24V