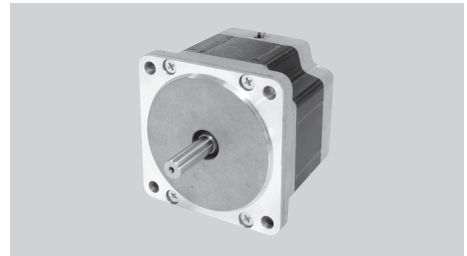


34HD SERIES 1.8°

Key Features

- High Torque
- High Accuracy
- Smooth Movement



General Specifications

- Bi-polar

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 ²	oz-in ²
34HD0 66.5 mm (2.62 in.)	34HD0401	3300	467.7	1.4	4.4	29.6	150	21.25	1100	6.05
	34HD0402	3300	467.7	2.1	2.2	7.4				
	34HD0403	3300	467.7	3.18	0.96	6.8				
	34HD0404	3300	467.7	6.3	0.24	1.7				
34HD1 96 mm (3.78 in.)	34HD1401	6000	850.3	1.4	6.4	56	250	35.41	1850	10.17
	34HD1402	6000	850.3	2.1	3.2	14				
	34HD1403	6000	850.3	3.18	1.32	10.8				
	34HD1404	6000	850.3	6.3	0.33	2.7				
34HD2 125.5 mm (4.94 in.)	34HD2401	8800	1247.2	1.4	7.6	86.4	350	49.58	2750	15.12
	34HD2402	8800	1247.2	2.8	1.94	21.6				
	34HD2403	8800	1247.2	5.6	0.49	5.6				

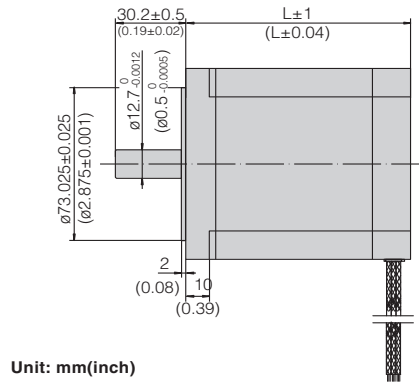
- 8-Leadwire Motors

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 ²	oz-in ²
34HD0 66.5 mm (2.62 in.)	34HD0801 Bi-polar Parallel	2800	396.8	6.3	0.24	1.7	150	21.25	1100	6.05
	34HD0801 Bi-polar Series	2800	396.8	3.18	0.96	6.8				
34HD1 96 mm (3.78 in.)	34HD1801 Bi-polar Parallel	5600	793.7	6.3	0.33	2.5	250	35.41	1850	10.17
	34HD1801 Bi-polar Series	5600	793.7	3.18	1.32	10				
34HD2 125.5 mm (4.94 in.)	34HD2801 Bi-polar Parallel	8400	1190.5	5.6	0.49	5.6	350	49.58	2750	15.12
	34HD2801 Bi-polar Series	8400	1190.5	2.8	1.94	21.6				

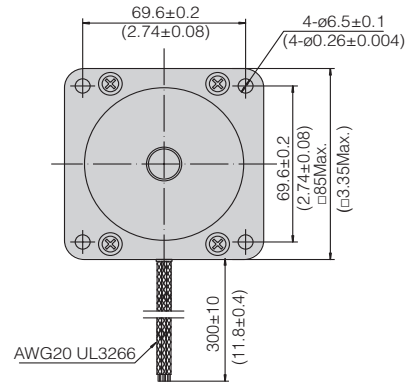
- Wiring Connection, Lead Wires, Schematic Diagrams & Stepping Sequence.....Page 62 - 64

Mechanical Dimension

Series	L	Mass
	mm (in.)	kg (lb.)
34HD0	66.5 (2.62)	1.6 (3.52)
34HD1	96 (3.78)	2.7 (5.94)
34HD2	125.5 (4.94)	3.8 (8.36)



Unit: mm(inch)

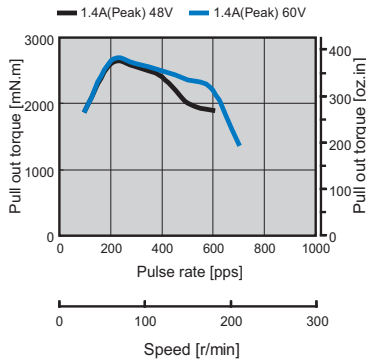


Dynamic Torque Curves

Bi-polar

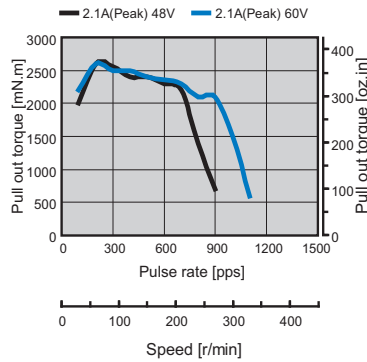
34HD0401 Bi-polar series

Conditions: Bi-polar Constant Current Driver
Driver: AMA MS7080M
Mode: Full Step



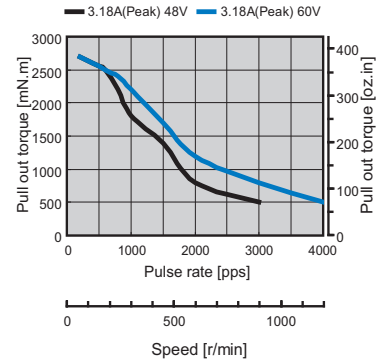
34HD0402 Bi-polar series

Conditions: Bi-polar Constant Current Driver
Driver: AMA MS7080M
Mode: Full Step



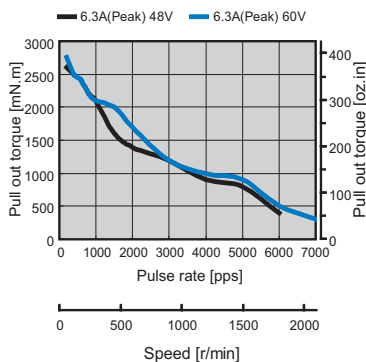
34HD0403 Bi-polar

Conditions: Bi-polar Constant Current Driver
Driver: AMA MS7080M
Mode: Full Step



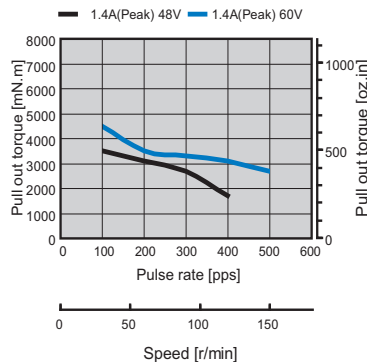
34HD0404 Bi-polar parallel

Conditions: Bi-polar Constant Current Driver
Driver: AMA MS7080M
Mode: Full Step



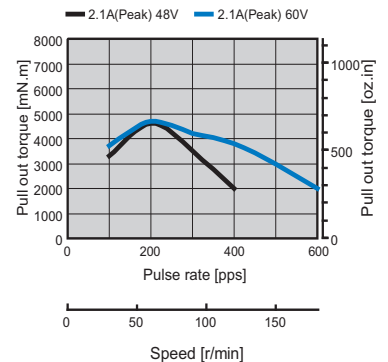
34HD1401 Bi-polar series

Conditions: Bi-polar Constant Current Driver
Driver: AMA MS7080M
Mode: Full Step



34HD1402 Bi-polar series

Conditions: Bi-polar Constant Current Driver
Driver: AMA MSST10
Mode: Full Step

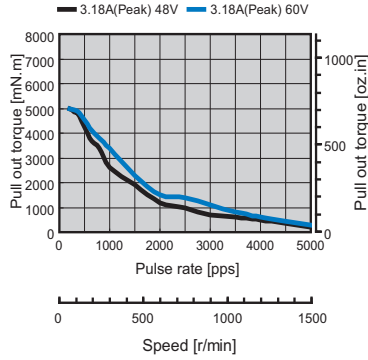


Dynamic Torque Curves

- Bi-polar

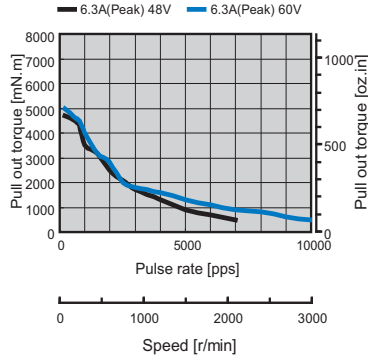
34HD1403 Bi-polar series

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step



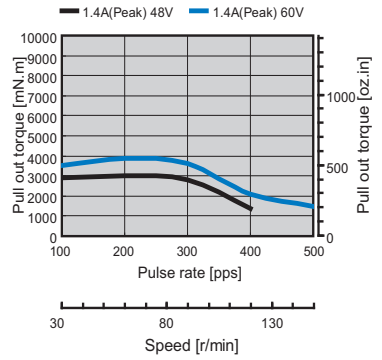
34HD1404 Bi-polar parallel

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step



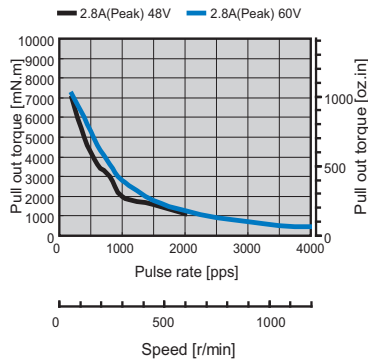
34HD2401 Bi-polar series

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step



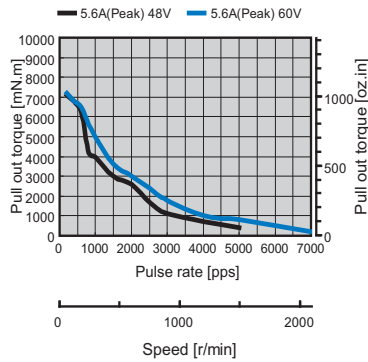
34HD2402 Bi-polar series

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step



34HD2403 Bi-polar parallel

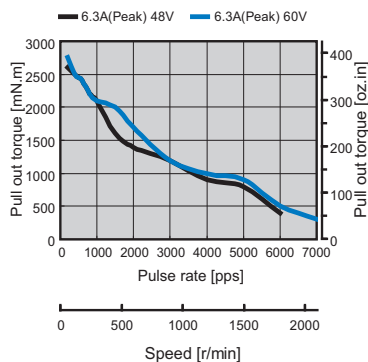
Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step



- 8-Leadwire Motors

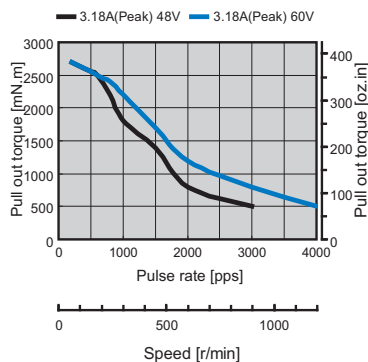
34HD0801 Bi-polar parallel

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step



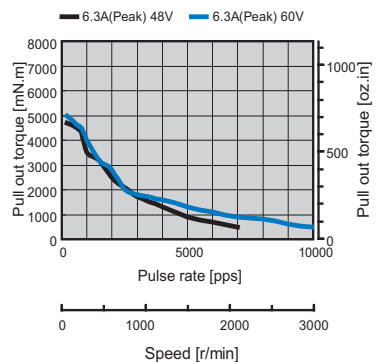
34HD0801 Bi-polar series

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step



34HD1801 Bi-polar parallel

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step

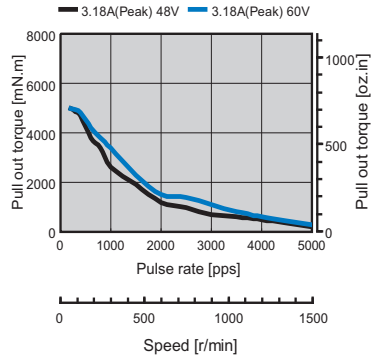


Dynamic Torque Curves

- 8-Leadwire Motors

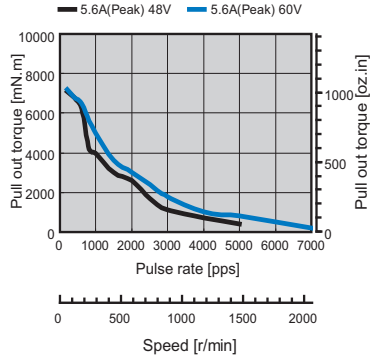
34HD1801 Bi-polar series

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step



34HD2801 Bi-polar parallel

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step



34HD2801 Bi-polar series

Conditions: Bi-polar Constant Current Driver
 Driver: AMA MS7080M
 Mode: Full Step

