24HC SERIES 1.2°

Key Features

- 3-phase Motor
- Low Noise
- Smooth Movement
- Low Vibration

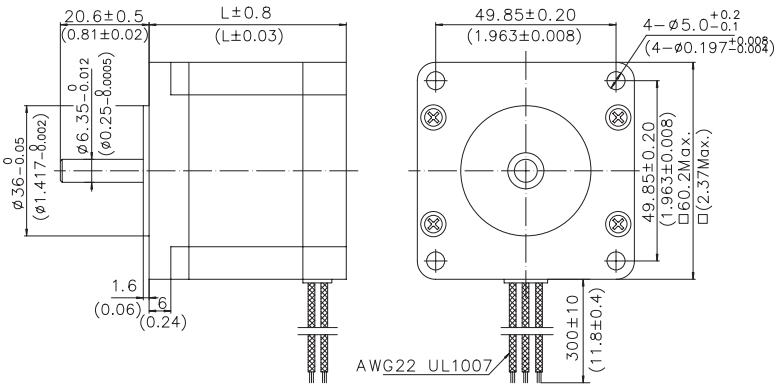
General Specifications

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
24HC2301	0.32	0.76	5.8	900	127.48	40	5.67	260	1.43
24HC3301	0.45	1.30	5.8	1500	212.46	70	9.92	460	2.53
24HC4301	6	10.2	1.5	540	76.49	25	3.54	180	0.99

Mechanical Dimension

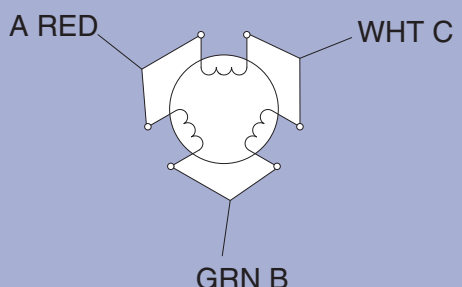
Model Number	L	Mass
	mm (in.)	kg (lb.)
24HC2**	54.5 (2.13)	0.8 (1.76)
24HC3**	76.5 (2.98)	1.3 (2.86)
24HC4**	45.5 (1.77)	0.5 (1.10)



mm (inch)

Wrie Diagram and Drive Sequence model

Wire Diagram



Drive Sequence model

When seen from the flange side of the motor

STEP	A	B	C
1	+	−	
2		−	+
3	−		+
4	−	+	
5		+	−
6	+		−

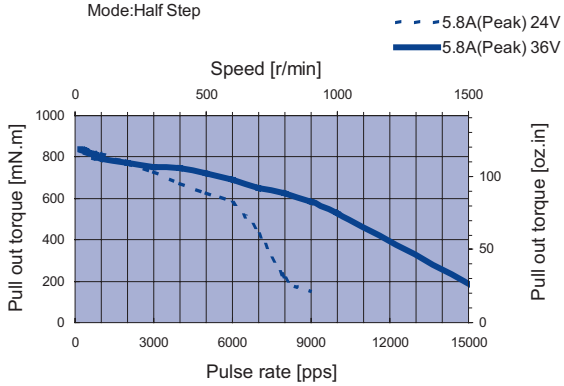
CW

CW(CLOCKWISE) ROTATION

Dynamic Torque Curves

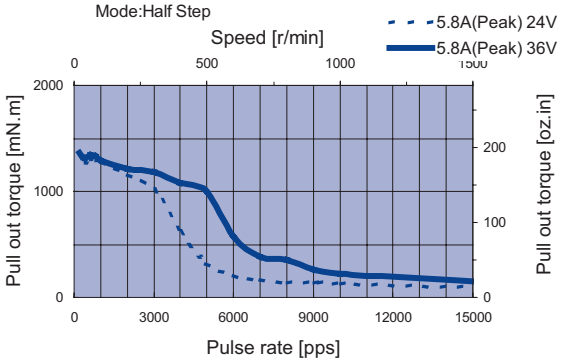
24HC2301

Conditions: 3-Phase Constant Current Driver
IC: AMA 3MS5860M
Mode:Half Step



24HC3301

Conditions:3-Phase Constant Current Driver
IC: AMA 3MS5860M
Mode:Half Step



24HC4301

Conditions: 3-Phase Constant Current Driver
IC: AMA 3MS5860M
Mode:Full Step