

2-Phase Stepping Motors

Standard Type

□ 57.15mm

Step Angle 1.8°

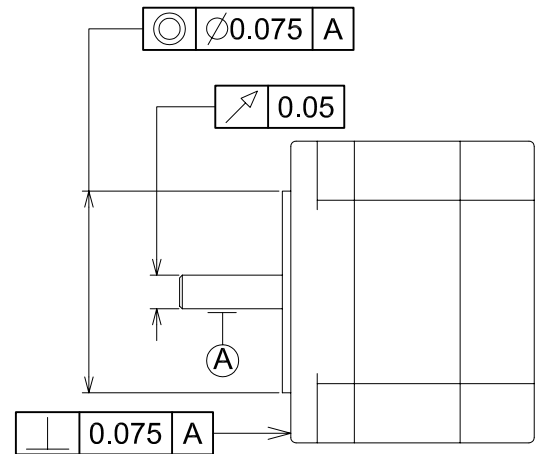
Specifications

Model Single Shaft Double Shaft	Connection Type	Holding Torque ± 10% N.m	Current per Phase A/phase	Voltage V DC	Resistance per Phase ± 10% Ω/phase		Inductance (1KHz) ± 20% mH/phase	Rotor Inertia J kg.m ²	Lead Wires (Pin)	Connection Diagram
23H246-01EA 23H246-01EB	Bipolar(parallel)	0.64	3.0	1.3	0.43	1.09	1.2X10 ⁻⁵	8	A	
	Bipolar(Series)	0.64	1.5	2.6	1.72	4.36			B	
	Unipolar	0.45	2.12	1.8	0.86	1.09			C	
23H255-01EA 23H255-01EB	Bipolar(parallel)	1.0	3.0	1.6	0.54	1.98	2.0X10 ⁻⁵	8	A	
	Bipolar(Series)	1.0	1.5	3.2	2.14	7.92			B	
	Unipolar	0.7	2.12	2.26	1.07	1.98			C	
23H262-01EA 23H262-01EB	Bipolar(parallel)	1.28	3.0	1.86	0.62	2.1	3.0X10 ⁻⁵	8	A	
	Bipolar(Series)	1.28	1.5	3.72	1.46	8.4			B	
	Unipolar	0.9	2.12	2.6	1.23	2.1			C	
23H280-01EA 23H280-01EB	Bipolar(parallel)	2.0	3.0	2.46	0.82	3.8	4.8X10 ⁻⁵	8	A	
	Bipolar(Series)	2.0	1.5	4.92	3.26	15.2			B	
	Unipolar	1.35	2.12	3.45	1.63	3.8			C	

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General Specifications

Item	Specifications
Shaft Runout	0.05(mm)
Perpendicularity	0.075(mm)
Concentricity	Ø0.075(mm)
Shaft Radial Paly	0.025Max of 5N
Shaft Axial Paly	0.075 mm Max of 10N
Step Angle	1.8°
Positional Accuracy	± 5%
Insulation Resistance	100 MΩ DC 500V 25° C
Dielectric Strength	DC500V 1minute
Insulation Class	Class B 130° C
Temperature Rise	80° C
Operating Temperature	-10° C~+40° C



Wirings and Connections

Motor Wirings

4 Leads Motor	6 Leads Motor	8 Leads Motor
1	2	3

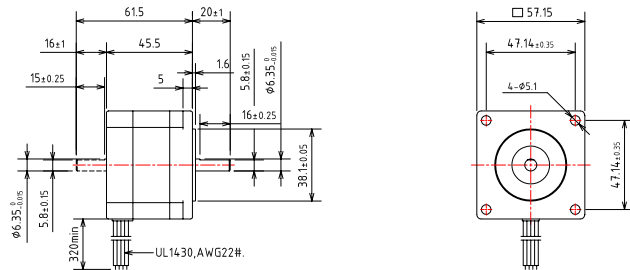
Wirings Connection Diagram

8 Leads Bipolar (Parallel) Connection	8 Leads Bipolar (Series) Connection	8 Leads Unipolar Connection
A	B	C

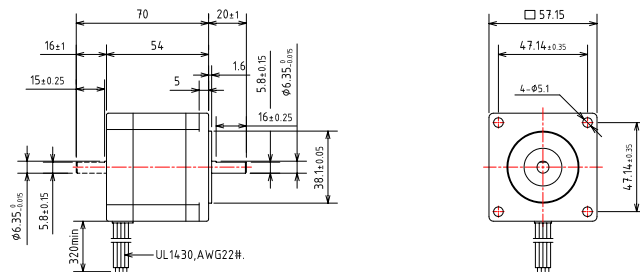
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Dimensions unit: mm

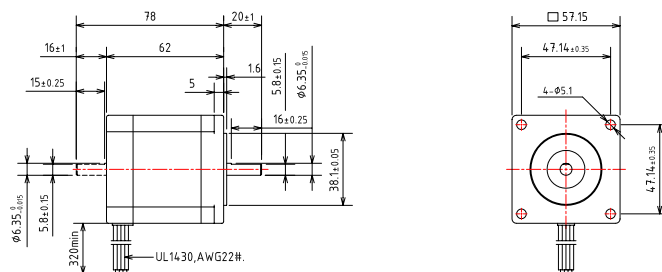
23H246-0--A,23H246-01EA(Single Shaft) Mass 0.5kg
23H246-0--B,23H246-01EB(Double Shaft) Mass 0.5kg



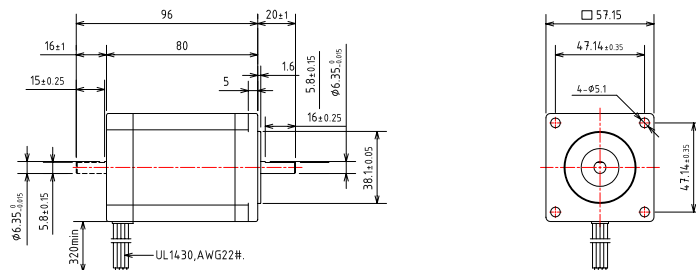
23H255-0--A,23H255-01EA(Single Shaft) Mass 0.7kg
23H255-0--B,23H255-01EB(Double Shaft) Mass 0.7kg



23H262-0--A,23H263-01EA(Single Shaft) Mass 0.85kg
23H262-0--B,23H262-01EB(Double Shaft) Mass 0.85kg



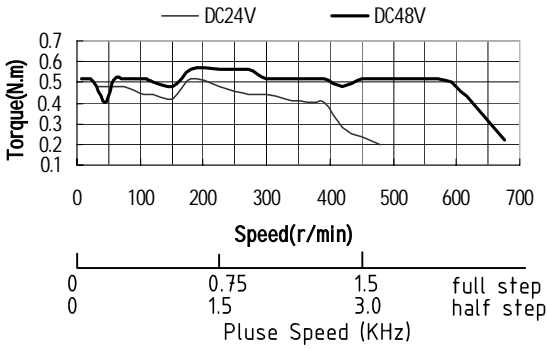
23H280-0--A,23H280-01EA(Single Shaft) Mass 1.15kg
23H280-0--B,23H280-01EB(Double Shaft) Mass 1.15kg



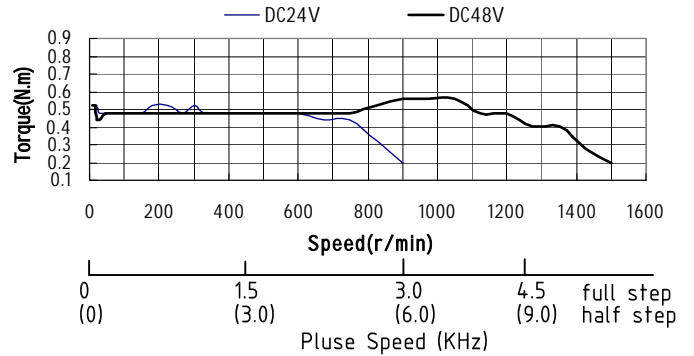
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Speed-Torque Characteristic

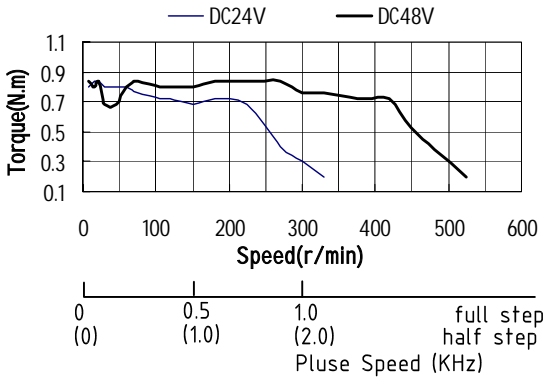
● 23H246-01EA Bipolar(Seriell) 1.5A/Phase



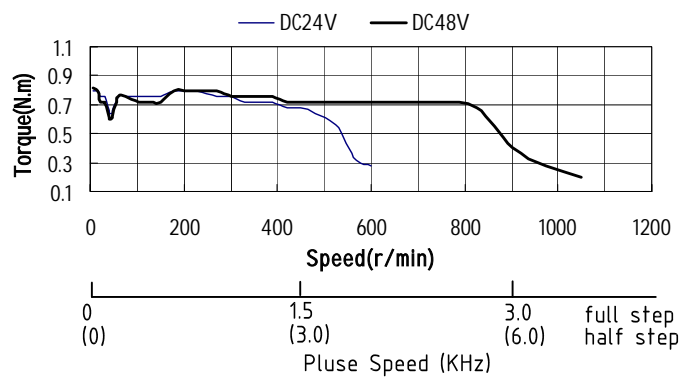
● 23H246-01EA Bipolar(parallel) 3.0A/Phase



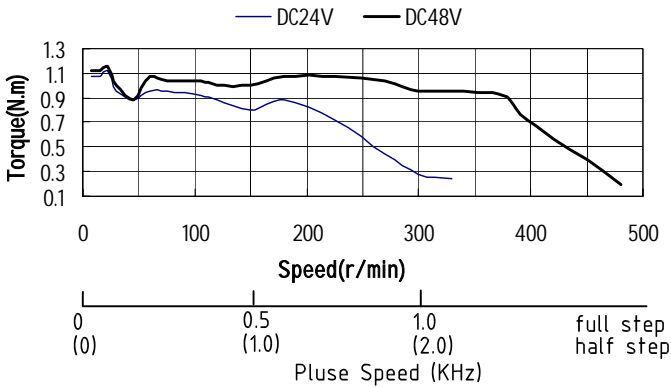
● 23H255-01EA Bipolar(seriell) 1.5A/Phase



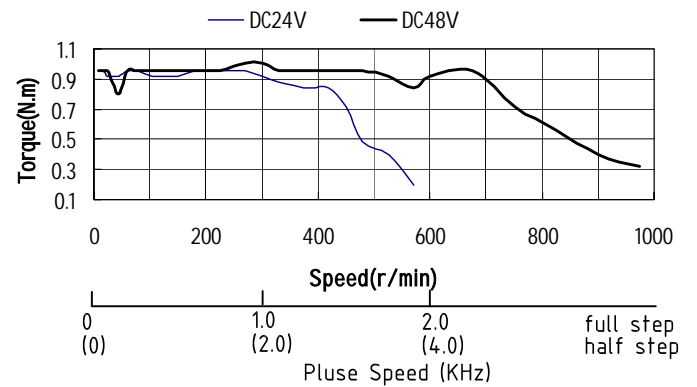
● 23H255-01EA Bipolar(Parallel) 3.0A/Phase



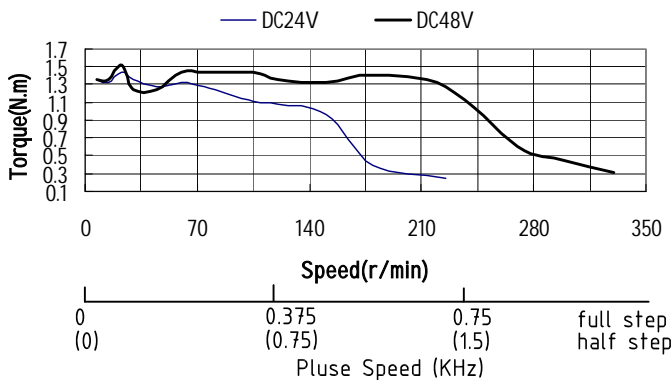
● 23H262-01EA Bipolar(Seriell) 1.5A/Phase



● 23H262-01EA Bipolar(Parallel) 3.0A/Phase



● 23H280-01EA Bipolar(Seriell) 1.5A/Phase



● 23H280-01EA Bipolar(Parallel) 3.0A/Phase

