

2 phase 1.8 degree NEMA 23 (size 57mm) Hybrid Stepper Motor



Technique parameter:

Item	Specification
Step Angle Accuracy	±5% (full step,no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80 Max.(rated current,2 phase on)
Ambient Temperature	-10 -+50
Insulation Resistance	100MΩMin.500VDC
Dielectric Strength	500VAC for one minute



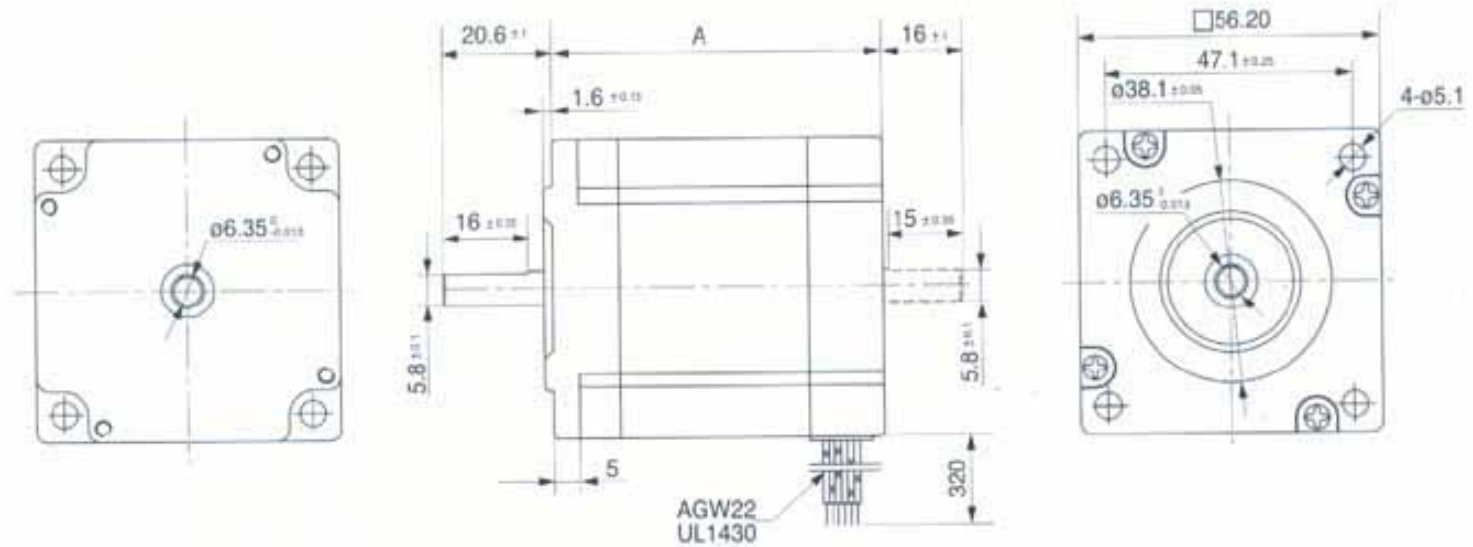
Electrical Specifications:

Series	Model		Holding Torque N.m +-10%	Rated Current A/phase	Resistance ohm/phase +-10%	Inductance mH/phase +-20%	Rotor Inertia (g.cm ²)	Motor Weight (kg)	Motor Lenth (mm)	Lead Wire (NO.)
"A" single shaft										
"B" double shaft										
	23H239-04-4A(B)		0.4	0.4	15.5	30	110	0.42	39	4
	23H242-062-4A(B)		0.64	0.62	12	24	120	0.5	42	4
	23H242-10-6A(B)		0.4	1.0	5.0	8.0	120	0.5	42	6
23H242-10-8A(B)	Parallel		0.64	1.4	2.85	7.8	120	0.5	42	8
	Series		0.64	0.7	11.4	31.2				
	Unipolar		0.45	1.0	5.7	7.8				
	23H242-14-4A(B)		0.64	1.4	2.8	6.0	120	0.5	42	4
	23H242-20-4A(B)		0.64	2.0	1.1	2.8	120	0.5	42	4
	23H242-20-6A(B)		0.4	2.0	1.4	1.4	120	0.5	42	6
23H242-21-8A(B)	Parallel		0.64	3.0	0.43	1.09	120	0.5	42	8
	Series		0.64	1.5	1.72	4.36				
	Unipolar		0.45	2.12	0.86	1.09				
	23H242-30-4A(B)		0.64	3.0	0.43	1.09	120	0.5	42	4
	23H252-038-6A(B)		0.7	0.38	32	38	260	0.7	52	6
	23H252-062-4A(B)		1.0	0.62	13	28	260	0.7	52	4
	23H252-080-6A(B)		0.7	0.8	7.0	9.2	260	0.7	52	6
	23H252-10-6A(B)		0.7	1.0	4.0	5.7	260	0.7	52	6
	23H252-20-4A(B)		1.0	2.0	1.4	5.0	260	0.7	52	4
	23H252-21-8A(B)	Parallel	1.0	2.0	0.54	1.09	260	0.7	52	8

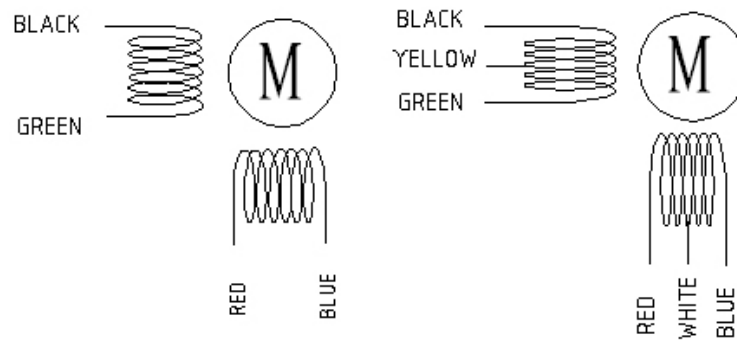
	Series	1.0	1.5	2.14	7.92				
	Unipolar	0.7	2.12	1.07	1.98				
23H252-25-4A(B)		1.0	2.5	1.2	3.2	260	0.70	52	4
23H252-30-4A(B)		1.0	3.0	0.54	1.98	260	0.70	52	4
23H256-10-4A(B)		1.2	1.0	9.3	30	280	0.85	56	4
23H256-10-6A(B)		0.9	1.0	6.0	12	280	0.85	56	6
23H256-18-4A(B)		1.2	1.8	1.8	5.5	280	0.85	56	4
23H256-20-4A(B)		1.2	2.0	1.6	5.5	280	0.85	56	4
23H256-20-6A(B)		0.9	2.0	1.8	2.8	280	0.85	56	6
23H256-21-8A(B)	Parallel	1.28	3.0	0.62	2.1	280	0.85	56	8
	Series	1.28	1.5	1.46	8.4				
	Unipolar	0.9	2.12	1.23	2.1				
23H256-28-4A(B)		1.2	2.8	0.9	2.8	280	0.85	56	4
23H256-30-4A(B)		1.2	3.0	0.62	2.1	280	0.85	56	4
23H276-075-4A(B)		2.0	0.75	16	57	480	1.00	76	4
23H276-10-6A(B)		1.4	1.0	8.8	26	480	1.00	76	6
23H276-15-4A(B)		2.0	1.5	3.7	16.7	480	1.00	76	4
23H276-15-6A(B)		1.4	1.5	3.8	6.8	480	1.00	76	6
23H276-20-4A(B)		2.0	2.0	2.1	10.0	480	1.00	76	4
23H276-21-8A(B)	Parallel	2.0	3.0	0.82	3.8	480	1.00	76	8
	Series	2.0	1.5	3.26	15.2				
	Unipolar	1.35	2.12	1.63	3.8				
23H276-28-4A(B)		2.0	2.8	1.2	4.7	480	1.00	76	4
23H276-30-4A(B)		2.0	3.0	0.82	3.8	480	1.00	76	4
23H276-30-6A(B)		2.0	3.0	1.0	1.6	480	1.00	76	6
23H276-30-8A(B)	Parallel	2.0	4.2	0.46	2.2	480	1.00	76	8
	Series	2.0	2.1	1.84	8.8				

	Unipolar	1.4	3.0	0.92	2.2				
23H276-42-4A(B)		2.0	4.2	0.6	1.8	480	1.00	76	4
23H2100-30-4A(B)		2.5	3.0	1.4	5.5	680	1.3	100	4
23H2100-30-8A(B)	Parallel	2.5	4.2	0.7	2.5	680	1.3	100	8
	Series	2.5	2.12	2.8	10				
	Unipolar	1.8	3.0	1.4	2.5				
23H2100-42-4A(B)		2.5	4.2	0.8	3.0	680	1.3	100	4
23H2112-25-4A(B)		2.8	2.5	3.2	12	800	1.4	112	4
23H2112-30-4A(B)		2.8	3.0	1.6	6.8	800	1.4	112	4
23H2112-42-4A(B)		2.8	4.2	0.9	3.8	800	1.4	112	4
Series Model		Holding Torque N.m	Rated Current A/phase	Resistance ohm/phase	Inductance mH/phase	Rotor Inertia (g.cm ²)	Motor Weight (kg)	Motor Lenth (mm)	Lead Wire (NO.)
“A” single shaft									
“B” double shaft		+ -10%		+ -10%	+ -20%				

Dimensions:



Wiring Diagram:



Pull out torque curve:

