

## 2 phase 0.9 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

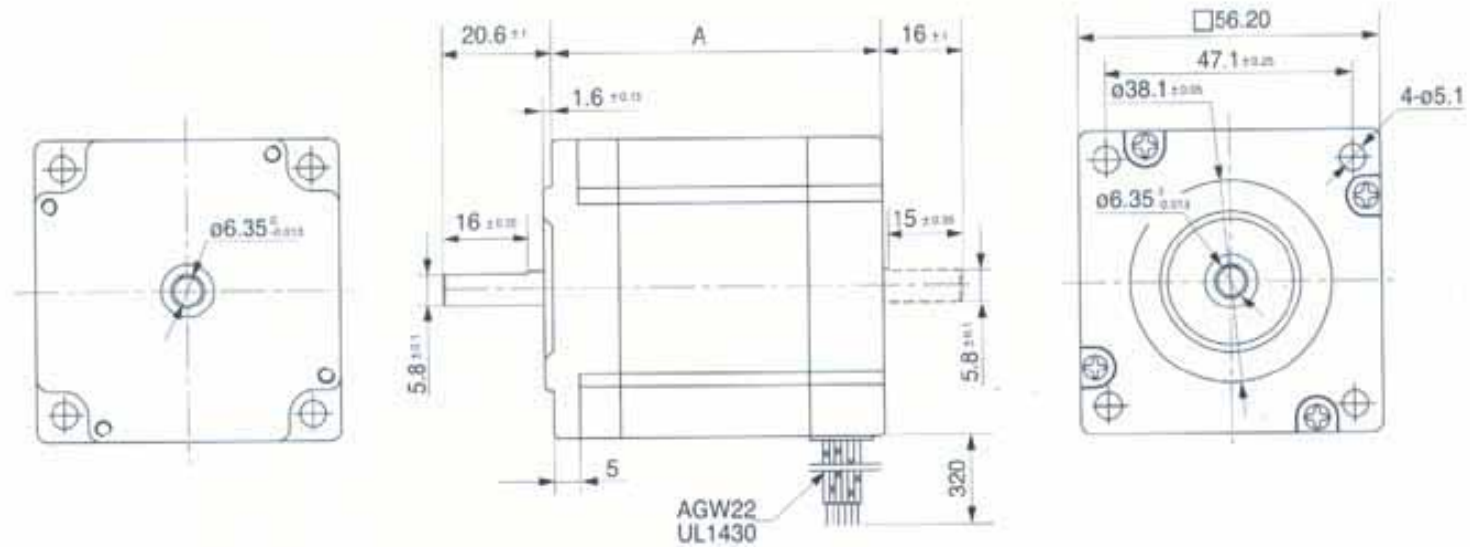


## Electrical Specifications:

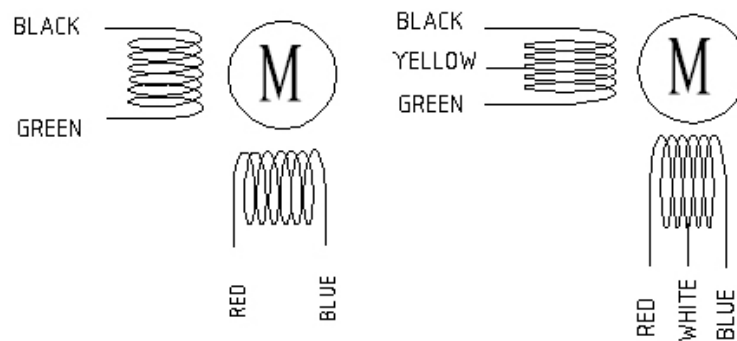
Series Model		Holding Torque N.m +-10%	Rated Current A/phase	Resistance ohm/phase +-10%	Inductance mH/phase +-20%	Rotor Inertia (g.cm <sup>2</sup> )	Motor Weight (kg)	Motor Lenth (mm)	Lead Wire (NO.)
23HM242-21-8A	Parallel	0.56	3.0	0.53	1.6	120	0.5	42	8
	Series	0.56	1.5	2.12	6.4				
	Unipolar	0.4	2.1	1.06	1.6				
23HM242-20-4A		0.56	2.0	1.40	3.4	120	0.5	42	4
23HM242-30-4A		0.56	3.0	0.7	2.2	120	0.5	42	4
23HM242-10-6A		0.4	1.0	5.70	8.0	120	0.5	42	6
23HM242-20-6A		0.4	2.0	1.40	2.2	120	0.5	42	6
23HM242-30-6A		0.4	3.0	0.53	0.7	120	0.5	42	6
23HM251-21-8A	Parallel	0.9	3.0	0.68	3.0	200	0.65	51	8
	Series	0.9	1.5	2.72	12				
	Unipolar	0.65	2.1	1.36	3.0				
23HM251-20-4A		0.9	2.0	1.76	6.6	200	0.65	51	4
23HM255-21-8A	Parallel	1.1	3.0	0.73	3.8	280	0.70	55	8
	Series	1.1	1.5	2.92	15				
	Unipolar	0.8	2.1	1.46	3.8				
23HM255-10-6A		1.1	1.0	7.4	17.5	280	0.70	55	6
23HM255-20-6A		1.1	2.0	1.8	4.5	280	0.70	55	6
23HM255-20-4A		1.1	2.0	1.88	8.2	280	0.70	55	4
23HM255-30-4A		1.1	3.0	0.9	4.5	280	0.70	55	4

23HM276-21-8A	Parallel	1.7	3.0	1.0	6.0	480	1.0	76	8
	Series	1.7	1.5	4.0	24				
	Unipolar	1.2	2.1	2.0	6.0				
23HM276-10-6A		1.7	1.0	8.6	23	480	1.0	76	6
23HM276-20-6A		1.7	2.0	2.25	5.6	480	1.0	76	6
23HM276-20-4A		1.7	2.0	2.6	13	480	1.0	76	4
23HM276-30-4A		1.7	3.0	1.0	5.6	480	1.0	79	4
Series Model		Holding Torque N.m +-10%	Rated Current A/phase	Resistance ohm/phase +-10%	Inductance mH/phase +-20%	Rotor Inertia (g.cm <sup>2</sup> )	Motor Weight (kg)	Motor Lenth (mm)	Lead Wire (NO.)

**Dimensions:**



**Wiring Diagram:**



Pull out torque curve:

