

1.8° 42mm (NEMA 17) GM42BYGH with 42mm Gearbox

● General Specification

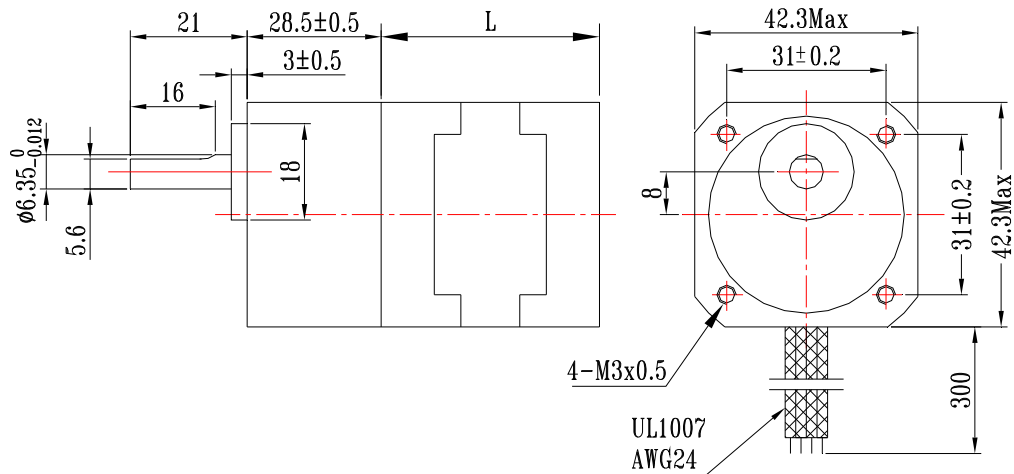
Item	Specifications
Step Angle Accuracy	± 5% (full step, no load)
Resistance Accuracy	± 10%
Inductance Accuracy	± 20%
Temperature Rise	80°C Max. (rated current, 2 phase on)
Ambient Temperature	- 10°C ~ +50°C
Insulation Class	B
Dielectric Strength	500 VAC for one minute
Shaft Radial Play	0.06 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)



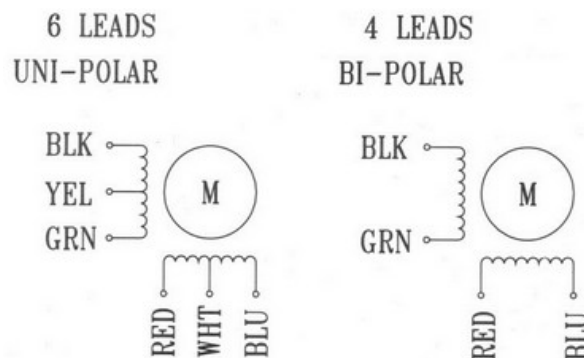
● Technique Specifications

Model No.	Voltage	Current	Resistance	Inductance	Output Torque		Holding Torque		# of Leads	Step Angle	Gear ratio	Length
	V	A	W	mH	Oz-in	Kg-cm	Oz-in	Kg-cm		Full step		mm
GM42BYGH010-G36	1.65	1.5	1.1	1.6	747	53.8	32	2.3	4	0.050°	36	34
GM42BYGH102-G18	3.6	1.2	3	3.2	453	32.6	36	2.59	6	0.100°	18	40
GM42BYGH113-G10	5.4	0.85	6.3	10	400	28.8	50	3.6	4	0.180°	10	40
GM42BYGH405-G7.2	5.3	0.85	6.2	11	352	25.3	62	4.4	4	0.250°	7.2	48
GM42BYGH416-G3.6	6	0.8	7.5	6.3	127	9.13	44	3.17	6	0.500°	3.6	48
GM42BYG9001-G10	4	0.95	4.2	3.2	176	12.6	22	1.58	6	0.090°	10	34
GM42BYG9102-G5	2.8	1.68	1.65	3.8	200	14.4	50	3.6	4	0.180°	5	40
GM42BYG9404-G3.6	2.8	1.68	1.65	4.8	176	12.7	62	4.4	4	0.250°	3.6	48

- Dimensions (mm)



- Wiring Diagram



- Custom Motor Options

Custom housing to meet your dimensional requirements

Custom shaft options: extended, slotted, cross drilled, hollow shaft etc

Custom winding to meet your specific application needs

Lead wire options: special lengths, heat shrink, Teflon leads, pins, connectors, cable harnesses etc

Bearing & lubricant options for high temperature/humid operations

Encoders, gearboxes, sprockets and pulleys installation