# **Hybrid Linear Actuators**

## **42BYGL Series**

**Hybrid Stepping Motor Series** 

#### **General Specifications**

Step Accuracy	±5%					
Temperature Rise	80°C Max					
Ambient Temperature Range	-20°C ~ +50°C					
Insulation Resistance	100 M $\Omega$ Min. 500 VDC					
Dielectric Strength	500 VAC 1s					
Customized solutions on request.						

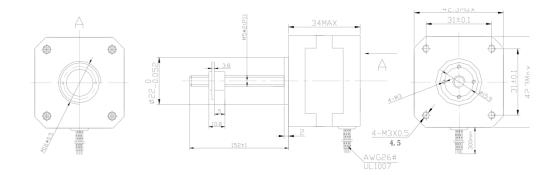




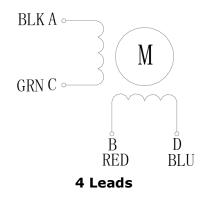
#### **Electrical Specifications**

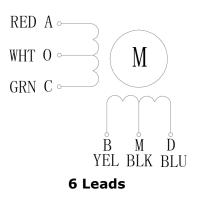
Model	Step distance	Motor Length	Rate Voltage	Rate Current	Phase Resistance	Phase Inductance	Holding Torque	Detent Torque	Rotor Inertia	Lead Wire	Motor Weight
	mm/step	L (mm)	V	Α	Ω	mH	mNm	mNm	kgcm <sup>2</sup>	NO.	kg
42BYGHL240	0.01	34	5.4	0.8	6.7	9.5	2500	19.6	0.034	4	0.2
42BYGHL602	0.02	40	12	0.4	26	23	3000	21.6	0.054	6	0.26
42BYGHL801	0.04	48	12	0.4	30	22	3800	27.5	0.068	6	0.36

### **Mechanical Dimensions**



#### **Connection Diagram**





Datasheet-42BYGL Series-15A-JB



The specifications are believed to be accurate and reliable. However, the suitability has to be determined for a specific application. Specifications are subject to change without notice.