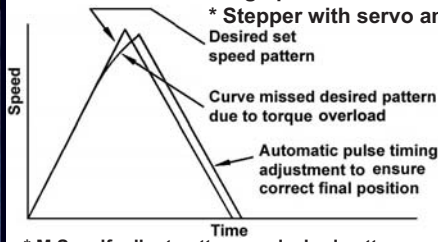
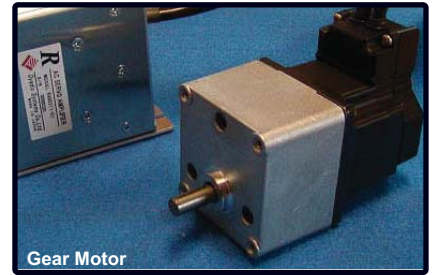


- Features**
- * No lost pulses
 - * Self generation of pulses for stable motion
 - * Controller designed to fully harness high potential of motor
 - * Holds position with excellent stability and torque
 - * High performance in its size
 - * Stepper with servo amp. & controller

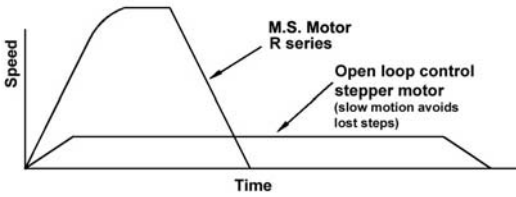


* M.S. self adjust pattern vs desired pattern

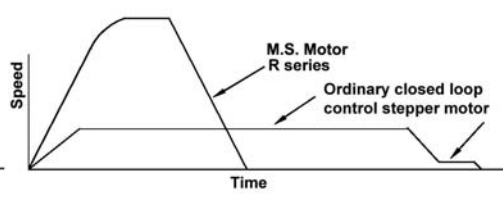


Motor Comparisons

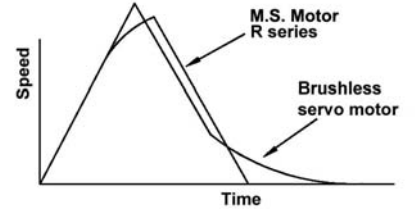
* M.S. vs Openloop step motor



* M.S. vs Closedloop step motor

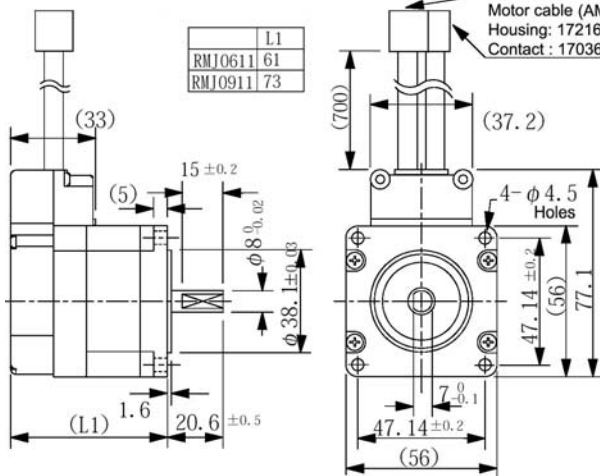


* M.S. vs Brushless servo motor



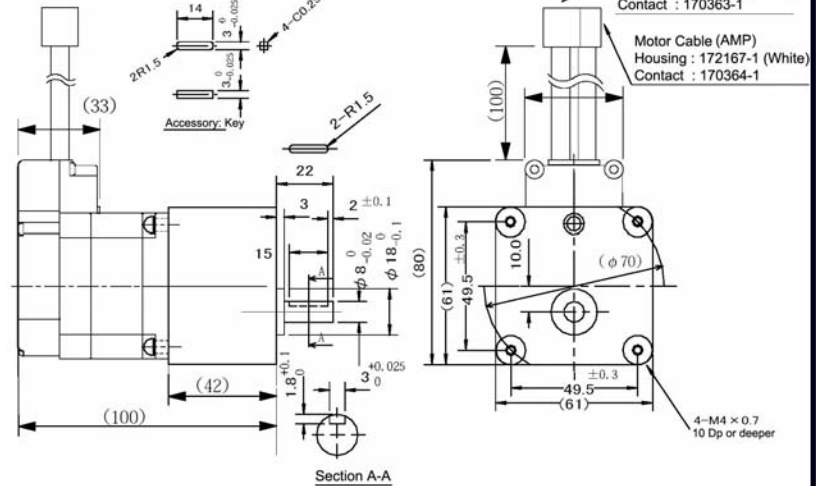
Dimensions - Standard Motor

Encoder cable (AMP)
Housing: 172169-1 (White)
Contact: 170363-1
Motor cable (AMP)
Housing: 172167-1 (White)
Contact: 170364-1

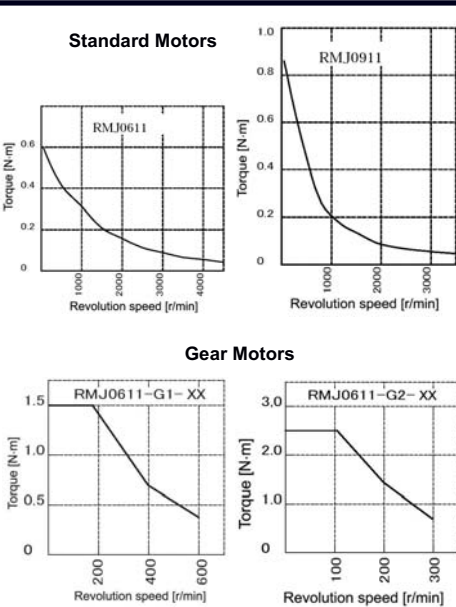


Dimensions - Gear Motor

Encoder Cable (AMP)
Housing: 172169-1 (White)
Contact: 170363-1
Motor Cable (AMP)
Housing: 172167-1 (White)
Contact: 170364-1



Speed-Torque Curves



Specifications

Model	Standard Motor		Gear Motor	
	RSA0611-XXYY	RSA0911-XXYY	RSA0611-G1-XXYY	RSA0611-G2-XXYY
Price	US\$530	US\$590	US\$675	US\$675
Motor Type	RMJ0611-XX	RMJ0911-XX	RMJ0611-G1-XX	RMJ0611-G2-XX
Amplifier Type	RAD0311-YY	RAD1311-YY	RAD0311-YY	RAD0311-YY
Output Power *Note 1	W	90	60	Reduction Ratio 1/5
Max. RPM	RPM	4,500	3,500	300
Max. Torque	N·m	0.6	0.9	1.5
Rotor Inertia	Kgs·m ²	0.115 x 10 ⁻⁴	0.188 x 10 ⁻⁴	0.14 x 10 ⁻⁴
Max. Load Inertia Limit *Note 2	Kgs·m ²	1.15 x 10 ⁻⁴	1.88 x 10 ⁻⁴	-
Max. Friction Load	N·m	0.229	0.36	-
Max. Unbalanced Load *Note 3	N·m	0.229	0.36	-
Incremental encoder	200 P/R (x 4)		1000 P/R (x 4)	
Power Supply	DC24V ± 10% (Drive:3.0 Amps Max., Control:0.2A Max.)			
Program Capacity	16 position steps (incl. Position, speed, acceleration, torque control, etc.)			
Amplifier weight	Kgs approx. 0.4			
Motor insulation classification	Class E			
Motor protection	IP-40 equivalent			
Radial Load Capacity	N (kgf)		49 (5) or smaller	
Thrust Load Capacity	N (kgf)		19.6 (2) or smaller	
			29.4 (3) or smaller	

Note 1: Reference only.
Note 2: This data is for reference use only. For actual use, please use the RM-Inertia curve.
Note 3: In case of lower positioning current limit, this unbalance load will be lower as well. In case of the use for vertical axis, this unbalance load will be the max. vertical load.
Note 4: Max. power dissipation of Amplifier will be 15W.