

Dynamixel Specifications

2012년 2월 10일

Model Name	AX-12W	AX-12A	AX-18A	RX-24F	RX-28	MX-28T MX-28R	RX-64	MX-64T MX-64R	EX-106+	MX-106T MX-106R		
Image												
Weight (g)	52.9(g)	54.6(g)	54.6(g)	67(g)	72(g)	72(g)	125(g)	126(g)	154(g)	153(g)		
Weight (oz)	1.86(oz)	1.88(oz)	1.88(oz)	2.36(oz)	2.53(oz)	2.53(oz)	4.40(oz)	4.44(oz)	5.43(oz)	5.39(oz)		
Dimension (mm)	32x50x40(mm)	32x50x40(mm)	32x50x40(mm)	35.6x50.6x35.5(mm)	35.6x50.6x35.5(mm)	35.6x50.6x35.5(mm)	40.2x61.1x41(mm)	40.2x61.1x41(mm)	40.2x65.1x46(mm)	40.2x65.1x46(mm)		
Dimension (inch)	1.25x1.97x1.57(inch)	1.25x1.97x1.57(inch)	1.25x1.97x1.57(inch)	1.40x1.99x1.40(inch)	1.40x1.99x1.40(inch)	1.40x1.99x1.40(inch)	1.58x2.41x1.61(inch)	1.58x2.41x1.61(inch)	1.58x2.56x1.81(inch)	1.58x2.56x1.81(inch)		
Gear Ratio	32:1	254:1	254:1	193:1	193:1	193:1	200:1	200:1	184:1	225:1		
Gear Material	enpla	enpla	enpla+metal	metal	metal	metal	metal	metal	metal	metal		
Network	TTL	TTL	TTL	RS-485	RS-485	TTL / RS-485	RS-485	TTL / RS-485	RS-485	TTL / RS-485		
Position Sensor	Potentiometer	Potentiometer	Potentiometer	Potentiometer	Potentiometer	Contactless Absolute Encoder	Potentiometer	Contactless Absolute Encoder	Magnetic Encoder	Contactless Absolute Encoder		
Operating Angle	300°	300°	300°	300°	300°	360°	300°	360°	251°	360°		
Resolution (Steps)	1024	1024	1024	1024	1024	4096	1024	4096	4096	4096		
Motor	Cored Motor	Cored Motor	Coreless Motor	Coreless Motor	Maxon Motor	Maxon Motor	Maxon Motor	Maxon Motor	Maxon Motor	Maxon Motor		
Operation Voltage (V)	9 11.1 12	9~12V	9~12V	9~12V	12~18.5V	11.1 12 14.8	12~18.5V	11 12 14.8	12~18.5V	11 12 14.8		
Stall Torque (N.m)	N/A			1.5 at 12V	1.8 at 12V	2.6 at 12V	2.5 at 14.8V	2.3 2.5 3.1	4.0 at 14.8V	5.5 6.0 7.3	8.0 at 14.8V	8.0 8.4 10.0
Stall Current (A)	1.1 1.3 1.4	1.5	2.2	2.4	1.5	1.3 1.4 1.7	2.1	3.9 4.1 5.2	6.1	4.8 5.2 6.3		
No Load Speed (RPM)	360 430 470	59	97	126	67	50 55 67	49	58 63 78	69	41 45 55		