

SERVO MOTOR

ÜRÜN KATALOĞU



LS ROBOTICS MAKİNA İMALAT İTHALAT İHRACAT TİCARET LİMİTED ŞİRKETİ

TEL : +905323423496

bilgi@lsrobotics.com

www.LSrobotics.com

LS
ROBOTICS

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UYGULAMA ALANLARI



İÇİNDEKİLER

ŞİRKET PROFİLİ

CHENGDU NEWKer CNC TECHNOLOGY CO. LTD. cnc kontrolör, endüstriyel robot kontrolör, robot kol, am dijital servo sürücü ve endüstriyel otomasyon ürün geliştirme, üretim, yüksek teknoloji modern işletmelerin birinde pazarlama hizmeti alanlarında profesyonel olarak tasarım ve üretim yapan 14 yıllık bir fabrikadır. Önce kalite ve hizmet odaklı iş geliştirme felsefemizdir. Geçtiğimiz yıllarda, müşteri önerilerine ve profesyonel teknoloji ve yeniliğin sürekli gelişimine dayanarak, yüksek kaliteli, kolay kullanımlı, yüksek maliyetli performans ve pratik işlevli, yüksek itibar kazanan çeşitli ideal otomatik ürün türleri otuşturduk bu alanda.



NEWKer CNC tasarım ekibi, Çin cnc'deki ilek gruptandır, torna, freze, VMC makinelerini elektrikli parçalarının üretiminde 30 yılı aşkın zengin deneyime sahiptir, NEWker ürünü ayrıca CNC güçlendirme ve çeşitli planyaların, delme makinelerinin eşleştirilmesi için uygundur. Taşlama makinelere, dişli azdırma makineleri ve diğer özel makineler ile endüstriyel otomasyon üretimi yapmak tadır. Kendi tasarımı ve tam açık PLC makrosu sayesinde müşteri ihtiyaçlarına göre ikincil geliştirme yapılabilir.

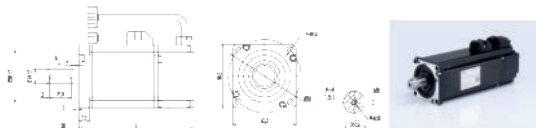
NEWKer Ar-Ge ekibi aktif inovasyonda ısrar ediyor. Robotik kol araştırma ve geliştirme açısından, NEWKer tarafından üretilen robotik kol ve kontrol, kaynak, kesme, paletleme ve taşıma çığınca uygulanmaktadır. Bunlara ek olarak inkjet, kahve yapmak, oymacılık, yazı yazmak gibi çeşitli kişiselleştirilmiş uygulamalar da sağlayabiliriz. Otomotiv, askeri, inşaat, tarım, havacılık ve diğer alanlarda farklı ihtiyaçlar için farklı armatürler sağlayın. NEWker işlemleri de basit ve kullanımı kolaydır. NEWker, Çin'de çift kanallı sürücüye sahip ilk üretimdir ve dünyada bu alanda robotik kollu üne sahip G kodlarını uygulayan ilk üretimdir.

60 SERI SERVO MOTOR

Rated Torque (N·m)	0.537	1.27	1.91
Model	60-00630	60-01330	60-01930
Rated Power (kW)	0.2	0.4	0.6
Rated Current (A)	1.2	2.8	3.5
Max Torque (N·m)	1.91	3.9	5.73
Rated Speed (r/min)	3000	3000	3000
Rotor Inertia (Kg·m ²)	0.175×10 ⁻⁴	0.29×10 ⁻⁴	0.39×10 ⁻⁴
Torque Coefficient(N.m/A)	0.53	0.45	0.55
Voltage Constant(N/1000r/min)	30.9	29.6	34
Wire-wound (Ω)	6.18	2.35	1.93
Wire-inductance (mh)	29.3	14.5	10.7
Electrical Time Constant(Ms)	4.74	6.17	5.5
Weight (Kg)	1.2	1.6	2.1
Input Voltage Of Driver (V)	AC220V		
Number Of Encoder (P/R)	2500/Absolute type 17bit		
Pole-Pairs	4		
Insulation Class	F		
Environment	Temperature: -20°C~+40°C Humidity: Relative<90%		
Protection Class	IP65		

		Connection														
Socket	Leading wire	U	V	W	PE											
	Number	1	2	3	4											
Incremental (Servo type)	Signal	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-	PE
	Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
Absolute type	Signal	PE	E-	E+	SD-	0V	SD+	5V								
	Number	1	2	3	4	5	6	7								

Model	0.6N.m	1.3N.m	1.9N.m
L without brake (mm)	116	141	169
L with brake (mm)	154	179	207

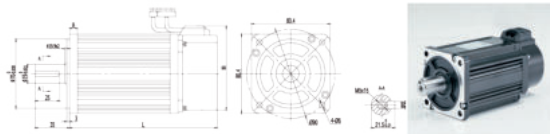


80 SERI SERVO MOTOR

Rated Torque (N·m)	1.27	2.39	3.5	4
Model	80-01330	80-02430	80-03520	80-04025
Rated Power (kW)	0.4	0.75	0.73	1.0
Rated Current (A)	2	3	3	4.4
Max Torque (N·m)	3.8	7.1	10.5	12
Rated Speed (r/min)	3000	3000	2000	2500
Rotor Inertia (Kg·m ²)	1.05×10^{-4}	1.82×10^{-4}	2.63×10^{-4}	2.97×10^{-4}
Torque Coefficient(N.m/A)	0.64	0.8	1.17	0.9
Counter EMF(V/1000r/min)	40	48	71	56
Wire-wound (Ω)	4.44	2.9	3.65	1.83
Wire-inductance (mH)	7.93	6.4	8.8	4.72
Electrical Time Constant(Ms)	1.66	2.22	2.4	2.58
Weight (kg)	1.9	3.0	3.9	4.1
Input Voltage Of Driver (V)	AC220V			
Number Of Encoder (P/R)	2500/Absolute type 17bit			
Pole-Pairs	4			
Insulation Class	F			
Environment Protection Class	Temperature: -20°C~+40°C Humidity: Relative<90% IP65			

		Connection														
Socket	Leading wire	U			V			W			PE					
	Number	1			2			3			4					
Incremental (Servo type)	Signal	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-	PE
	Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
Absolute type	Signal	PE		E-		E+		SD-		0V		SD+		5V		
	Number	1		2		3		4		5		6		7		

Model	1.3N.m	2.4N.m	3.5N.m	4.0N.m
L without brake (mm)	124	151	179	191
L with brake (mm)	178	205	233	245

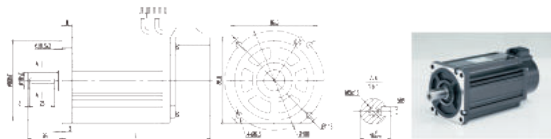


90 SERVO MOTOR

Rated Torque (N·m)	2.4	3.5	4
Model	90-02430	90-03520	90-04025
Rated Power (kW)	0.75	0.73	1.0
Rated Current (A)	3	3	4
Max Torque (N·m)	7.1	10.5	12
Rated Speed (r/min)	3000	2000	2500
Rotor Inertia (Kg·m ²)	2.45×10 ⁻⁴	3.4×10 ⁻⁴	3.7×10 ⁻⁴
Torque Coefficient(N.m/A)	0.8	1.2	1.0
Counter EMF(V/1000r/min)	51	67	60
Wire-wound (Ω)	3.2	4.06	2.69
Wire-inductance (mh)	7.0	9.7	6.21
Electrical Time Constant(Ms)	2.2	2.39	2.3
Weight (Kg)	3.1	3.9	4.2
Input Voltage Of Driver (V)	AC220V		
Number Of Encoder (P/R)	2500/Absolute type 17bit		
Pole-Pairs	4		
Insulation Class	ClassF		
Environment	Temperature: -20°C~+40°C Humidity: Relative<90%		
Protection Class	IP65		

		Connection														
Socket	Leading wire	U	V	W	PE											
	Number	1	2	3	4											
Incremental (Servo type)	Signal	5V	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-	PE
	Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
Absolute type	Signal	PE	E-	E+	SD-	0V	SD+	5V								
	Number	1	2	3	4	5	6	7								

Model	2.4N.m	3.5N.m	4.0N.m
L without brake (mm)	150	172	182
L with brake (mm)	207	229	239

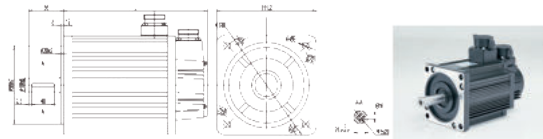


110 SERI SERVO MOTOR

Rated Torque (N·m)	2	4	4	5	6	6
Model	110-02030	110-04020	110-04030	110-05030	110-06020	110-06030
Rated Power (kW)	0.6	0.8	1.2	1.5	1.2	1.8
Rated Current (A)	2.5	3.5	5.0	6.0	4.5	6.0
Max Torque (N·m)	6	12	12	15	12	18
Rated Speed (r/min)	3000	2000	3000	3000	2000	3000
Rotor Inertia (Kg·m ²)	0.31×10 ⁻³	0.54×10 ⁻³	0.54×10 ⁻³	0.63×10 ⁻³	0.76×10 ⁻³	0.76×10 ⁻³
Torque Coefficient(N.m/A)	0.8	1.14	0.8	0.83	1.3	1.0
Counter EMF(V/1000r/min)	56	79	54	62	83	60
Wire-wound (Ω)	3.6	2.41	1.09	1.03	1.46	0.81
Wire-inductance (mh)	8.32	7.3	3.3	3.43	4.7	2.59
Electrical Time Constant(Ms)	2.3	3	3	3.33	3.2	3.2
Weight (Kg)	4.5	6	6	6.8	7.9	7.9
Input Voltage of Driver (V)	AC220V					
Number Of Encoder (P/R)	2500/Absolute type 17bit					
Pole-Pairs	4					
Insulation Class	F					
Environment Protection Class	Temperature: -20°C~+40°C Humidity: Relative<90% IP65					

		Connection														
Socket	Leading wire	U		V		W		PE								
	Number	2		3		4		1								
Incremental (Servo type)	Signal	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE
	Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1
Absolute type	Signal	PE		E-		E+		SD-		0V		SD+		5V		
	Number	1		2		3		4		5		6		7		

Model	110 Series			
Model(Rated Torque) (N·m)	2	4	5	6
L without brake (mm)	159	189	204	219
L with brake (mm)	215	245	260	275

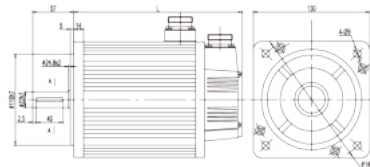


130 SERI SERVO MOTOR

Rated Torque (N·m)	4	5	6	7.7	10	10	10	15	15
Model	130-04025	130-05025	130-06025	130-07725	130-10010	130-10015	130-10025	130-15015	130-15025
Rated Power (kW)	1.0	1.3	1.5	2.0	1.0	1.5	2.6	2.3	3.8
Rated Current (A)	4.0	5.0	6.0	7.5	4.5	6.0	10	9.5	13.5
Max Torque (N·m)	12	15	18	22	20	25	25	30	30
Rated Speed (r/min)	2500	2500	2500	2500	1000	1500	2500	1500	2500
Rotor Inertia (Kg·m ²)	0.85×10^{-4}	1.06×10^{-4}	1.26×10^{-4}	1.53×10^{-4}	1.94×10^{-4}	1.94×10^{-4}	1.94×10^{-4}	2.77×10^{-4}	2.77×10^{-4}
Torque Coefficient(N·m/A)	1.0	1.0	1.0	1.03	2.2	1.67	1.0	1.58	1.11
Counter EMF(V/1000r/min)	72	68	65	68	140	103	70	114	67
Wire-wound (Ω)	2.76	1.84	1.21	1.01	2.7	1.5	0.73	1.1	0.49
Wire-inductance (mh)	6.42	4.9	3.87	2.94	8.8	4.37	2.45	2.45	1.68
Electrical Time Constant(Ms)	2.32	2.66	3.26	2.91	3.26	2.91	3.36	4.05	3.43
Weight (Kg)	6.2	6.6	7.4	8.3	10.2	10.2	9.8	12.6	11.7
Input Voltage of Driver (V)	AC220V								
Number Of Encoder (P/R)	2500/Absolute type 17bit								
Pole-Pairs	4								
Insulation Class	F								
Environment	Temperature: -20°C~+40°C Humidity: Relative<90%								
Protection Class	IP65								

		Connection																	
Socket	Leading wire	U				V				W				PE					
	Number	2				3				4				1					
Incremental (Servo type)	Signal	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE			
	Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1			
Absolute type	Signal	PE			E-			E+			SD-			0V		SD+		5V	
	Number	1			2			3			4			5		6		7	

Model	130 Series								
Model(Rated Torque) (N·m)	4	5	6	7.7	10		15		
					1000rpm	1500rpm	2500rpm	1500rpm	2500rpm
L without brake (mm)	166	171	179	192	213		209	241	231
L with brake (mm)	236	241	249	262	283		279	311	301

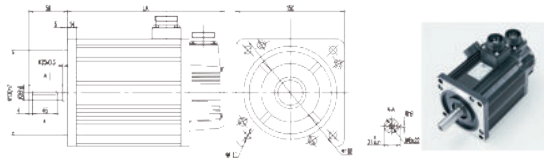


150 SERI SERVO MOTOR

Rated Torque (N·m)	15	15	18	23	27
Model	150-15025	150-15020	150-18020	150-23020	150-27020
Rated Power (kW)	3.8	3.0	3.6	4.7	5.5
Rated Current (A)	17	14	17	21	27
Max Torque (N·m)	30	30	36	46	54
Rated Speed (r/min)	2500	2000	2000	2000	2000
Rotor Inertia (Kg·m ²)	3.88×10^{-3}	3.88×10^{-3}	4.6×10^{-3}	5.8×10^{-3}	6.8×10^{-3}
Torque Coefficient(N.m/A)	0.88	1.07	1.05	1.09	1.0
Counter EMF(V/1000r/min)	59	70	71	72	64
Wire-wound (Ω)	0.23	0.34	0.255	0.2	0.125
Wire-inductance (mh)	1.08	1.55	1.3	1.06	0.7
Electrical Time Constant(Ms)	4.7	4.56	5.1	5.3	5.6
Weight (Kg)	15.2	15.2	17.2	21	22.7
Input Voltage of Driver (V)	AC220V/380V				
Number Of Encoder (P/R)	2500/Absolute type 17bit				
Pole-Pairs	4				
Insulation Class	Class F				
Environment Protection Class	Temperature: -20°C~+40°C Humidity: Relative <90% RH No dewing IP65				

		Connection																				
Socket	Leading wire	U				V				W				PE								
	Number	2				3				4				1								
Incremental (Servo type)	Signal	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE						
	Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1						
Absolute type	Signal	PE			E-			E+			SD-			0V			SD+			5V		
	Number	1			2			3			4			5			6			7		

Model	150 Series				
Model(Rated Torque) (N·m)	15		18	23	27
	2500rpm	2000rpm			
L without brake (mm)	230	230	248	278	302
L with brake (mm)	303	303	321	351	375



180 SERI SERVO MOTOR

Rated Torque (N·m)	17.2	19	21.5	27	35	35	48
Model	180-17215	180-19015	180-21520	180-27015	180-35010	180-35015	180-48015
Rated Power (kW)	2.7	3.0	4.5	4.3	3.7	5.5	7.5
Rated Current (A)	10.5/6.5	12/7.5	16/9.5	16/10	16/10	24/12	32/20
Max Torque (N·m)	43	47	53	67	70	70	96
Rated Speed (r/min)	1500	1500	2000	1500	1000	1500	1500
Rotor Inertia (Kg·m ²)	6.5×10 ⁻³	7.0×10 ⁻³	7.96×10 ⁻³	9.64×10 ⁻³	12.25×10 ⁻³	12.25×10 ⁻³	16.72×10 ⁻³
Torque Coefficient(N·m/A)	1.7	1.58	1.34	1.69	2.2	1.45	1.5
Counter EMF(V/1000r/min)	112/167	97/170	84/140	103/172	134/223	90/181	94/156
Wire-wound (Ω)	0.7	0.4	0.31	0.28	0.31	0.27	0.11
Wire-inductance (mh)	4.0	2.42	1.93	1.74	3.28	1.0	0.77
Electrical Time Constant(Ms)	6.6	6.05	6.22	6.2	10.58	7.14	7
Weight (Kg)	19.5	20.5	22.3	25.5	30.5	30.5	40
Input Voltage of Driver (V)	AC220V/380V						
Number Of Encoder (P/R)	2500/Absolute type 17bit						
Pole-Pairs	4						
Insulation Class	F						
Environment Protection Class	Temperature: -20°C~+40°C Humidity: Relative<90% IP65						

		Connection																	
Socket	Leading wire	U				V				W				PE					
	Number	2				3				4				1					
Incremental (Servo type)	Signal	5V	0V	A+	B+	Z+	A-	B-	Z-	U+	V+	W+	U-	V-	W-	PE			
	Number	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1			
Absolute type	Signal	PE			E-			E+			SD-			0V		SD+		5V	
	Number	1			2			3			4			5		6		7	

Model	180Series					
Model(Rated Torque) (N·m)	17N.m	19N.m	21.5N.m	27N.m	35N.m	48N.m
L without brake (mm)	226	232	243	262	292	346
L with brake (mm)	308	314	325	344	382	436

