RMD-L Series Product Manual

Brushless DC Servo Motor designed to deliver exceptional performance with its high torque and fast rotation speed. With its advanced technology and seamless integration of motor and drive, this servo motor offers unparalleled precision and efficiency in various industrial applications.

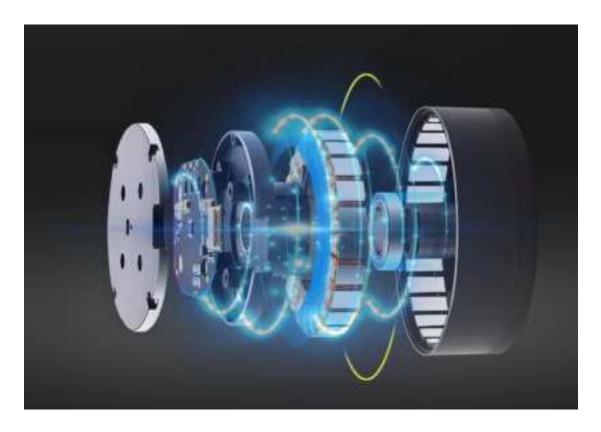


Our servo motor with high-performance bearings, to withstand pressure, wear, and shocks. With advanced manufacturing techniques, this motor reduces noise and friction during operation while maintaining high speed. It also exhibits excellent hardness and durability.



With Integrated Mechanical and Electrical Design

Equipped with built-in drive and position sensors, this motor offers powerful performance and enhanced stability. With its efficient heat dissipation system, it ensures a longer lifespan for uninterrupted usage.



The built-in drive allows for smooth operation while the position sensors provide accurate feedback for precise control. Whether you're in need of high power output or reliable stability, our motor delivers on both fronts.

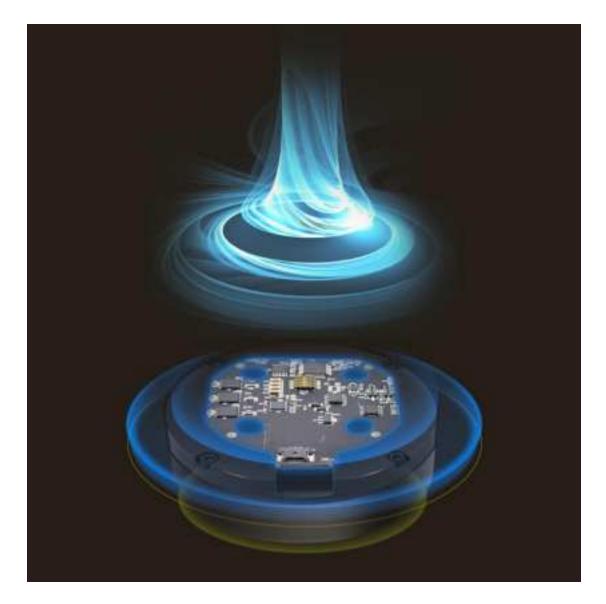
Its exceptional heat dissipation capability ensures that even during prolonged use, preventing any potential damage caused by overheating.

Our motor with multiple protection features and an intelligent chip for enhanced safety. It supports temperature sensor. This means that you can easily monitor the temperature in real-time, allowing you to make informed decisions regarding your operations or take necessary actions promptly if needed.

Furthermore, we prioritize safety by multiple protection mechanisms such as overload protection, overcurrent protection, external battery, overvoltage protection and short circuit protection. This guarantees optimal performance while safeguarding both equipment and personnel.

More Stable | More Durable | More Precise

Featuring high-precision alloy resistive sampling technology, our motor ensures accurate current control like never before. Experience safety and silence with precise control. With its advanced design and engineering, this motor guarantees stability, durability, and precision in use. The high-precision alloy resistive sampling enables precise current regulation, ensuring optimal efficiency and accuracy in all your operations.

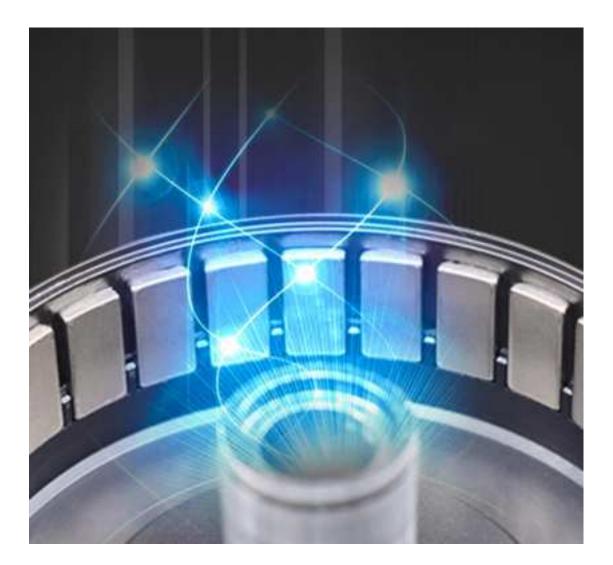


High-performance Neodymium Iron Boron Permanent Magnets

Rotor designed in an arc shape, these magnets offer a smaller air gap and higher coercivity, resulting in greater torque output.

The use of neodymium iron boron permanent magnets ensures exceptional performance and efficiency. By reducing the air gap between the magnet and armature, our motor achieves improved power transmission and enhanced torque capabilities.

Its high coercivity allows for precise control over speed and acceleration while maintaining stability under heavy loads.



Supervisory Control and Data Acquisition System

Not only does our integrated servo motor excel in performance, but it also boasts easy installation and user-friendly programming options. With intuitive interfaces and comprehensive software support, configuring the motor to suit your requirements.

Plus, it supports direct command transmission from microprocessors. Experience seamless operation like never before.

With real-time data retrieval capabilities, you can monitor your operations effortlessly. Effortlessly navigate through commands by utilizing the user-friendly interface of our motor's supervisory control system. Send commands directly without any hassle or delay, ensuring efficient communication between devices.



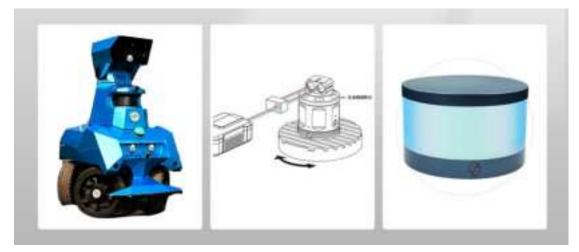
Various Applications

The superior hardness of our servo motor guarantees long-lasting durability under various working conditions. Additionally, the high-speed capabilities enable rapid response times for enhanced productivity. Its high torque capability allows for precise control over heavy loads while maintaining smooth motion.

Featuring a compact design and robust construction, this servo motor ensures reliable operation even in demanding environments, our servo motor is engineered to meet your specific needs.

With its advanced technology and superior performance, our electric motor is suitable for various applications such as industrial machinery, robotics, automotive systems, and more. Trust in its reliability to meet your specific needs.

Whether you need precise control in robotics or automation systems or seek a reliable solution for industrial machinery, our servo motor offers the perfect combination of high performance and durability.



Power inspection robot

Industrial inspection

Laser radar

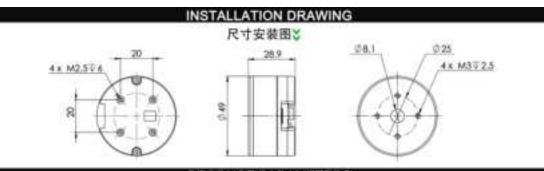


Industrial head and turntable

Pipeline robot

drone

RMD-L-5010-35T

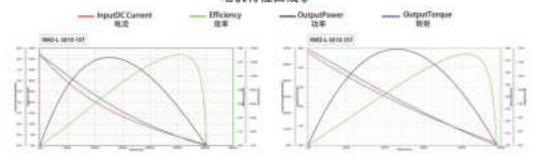


PRODUCT PARAMETERS

产品参数~

P254	Disti Barral	HMES L BOTO SOT	REALD-L-SETTI-DAY.	
観察地道	[Herminal Voltage] V	18	1.167	
MEAX	[Nortical Connect] A	1.06	LAV.	
联定出版	[Norsinal Torgas] NLM	0.26	0.2%	
發足物源	(Neurainal Second) reate	:2405	600	
着大空劇特進	[Max Speed] rpm [Reas Instant Pumpse], N.M.	3050	3015	
#SM的知識 最大能的考虑	Colors brokkert Partyne 3, W.M.	4.0	5.03	
最大瞬时电波	[Mas bettart Current] A	1.8	4.8	
NAME OF COMMENTS	{Unellesingers] G.	0.23	3.2	
接电方式	(Wire Connect)	N	(W)	
Moni M.M.	[Phase to Plane Industry of mill.	0.13	11.2	
特遇发展	Elpand Constant2 rareiv	191	1.63	
新田田市 利波文在 建設会社 取予信葉	[Phone to Phone Industry of 1996] [Speed Constant] reprint [Program Constant] # MMA	0.05	8.76	
转子供量	[Rotor Inertia] gcat	302	202	
· 待对费	Provident of Pole Parm?	2.196	314.	
物机准备	[Mator Weight] g	115	1.85	
工作講座工具	Divertinen Samtanutural C.	20 -	20 - 83 2	
工作講座支援 目在手信工作	(Max Demagnetian Temperature) 'C	120°C		
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家田器和成白屋	(Current) A Discriminat Review) VI	Normal 54 Instant 84		
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通貨方式	[Communication]	85-485 /CAN INS		
10120102	[frendet]	14 bit magnetic encloses		
派特准	[Reart Farts]	9600, 10200, 57600, 1152000/default)		
NONE CONTRACTOR	Communication frequency]	CAN BUS #THEPS 7007 - PSAKE# 1112000PL53087		
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	[S-Curve]	YE5		
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建筑地质器	[investor]	10		

MOTOR CHARACTERISTIC CURVE



RMD-L-5015-10T

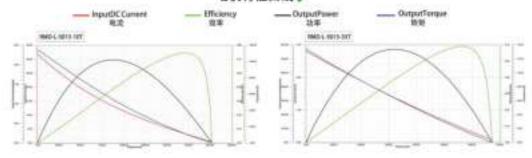


PRODUCT PARAMETERS

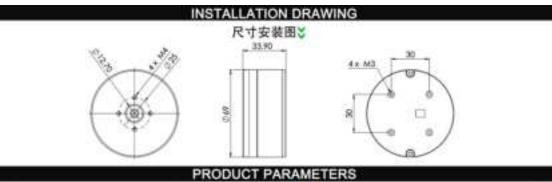
产品参数》

P234	(Herri Barris)	RMD-L-BETS-10Y	HMD-L-SIVE-801
銀星珠道	[Nervinal Voltage] V	10	10
MEAK	[Norminal Commit] A	43	1.37
REEN	(Norrinal Torgas) 16.88	0.38	0.36
新艾特浦	(Number of Several 2 reads	7550	150
着大空劇特准	[Max Special] rpm (Max Instant Jungue], W.M.	2040	880
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最大綱封电道	[Mas bettarit Carrent] A		162
MAD DOCTOR	[Une lisentance] (C.	8.44	G (43)
用电力式	(Wire Connect)	¥	
1616.9.2	[Phase to Phase Industry of 1994.	8.19	1.25
新田市道 利達文泉 建築東湖 新子信泉	[Phone to Phone Industrierin] (mH) [Speed Constant] reprint [Deeper Constant] H Mith	120	43
推奨文材	Chierpow Company 2 36 Mile	0.54	0.71
转子供量	[Rotor Inertia] gcat	268	268
· 每月数	Plastydawr ull Plater Paters	14	2340
物的運動	[Motor Weight] g	124	174
工作連定工作	DWartery Sertpensture C	20 - 83 2	
882438	[Max Demagnatize Temperature] 'C	12010	
12.42	東亚語 Matched Driver	25W3810 # Matched Driver	
经政策定案目	(Drive)	DR.	CDR
秋初始於入水正注意	Deput Vellage] V	AND DESCRIPTION OF A DE	
家田器考试作業	(Current) A Discrete Fusion VI	Normal 3A Instant: 8A	
林豊広県 通知方式		12000000	00 000000000000000000000000000000000000
	[Communication]	85-485 /CAN IM5	
補料課 体致	[frendet]	TA Lit magnetic encodes	
派特准	(Bout Fate)	9600. 10200. 57600. 115200xdofau/C	
MINA .	(Communication thegainney)	CAN BUS #1MIPS 2002 - RSAFE# 1112008PS 532HZ	
	[Control Intervence]	Torrest inco 256H7 / Isseed Issee 80H7 / Pastron Isse 46H7	
控制模式	Conversion member 2	Targate Inspirationent Inspirit speet lange (position lange)	
加速度曲线	[S-Curver]	YES	
新規連續算業	[ID centure] [77	100 March 100	
接着外	[ransetai]	2013/6604	
建筑地质器	Lorencios:	10	

MOTOR CHARACTERISTIC CURVE



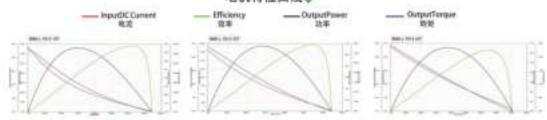
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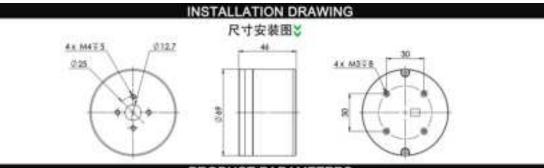
产品参数~

や温田寺	(Harris Harris)	INVESTIGATION TO A	MARTER TOTAL PROPERTY AND INCOME.	BWOLL-TILLAUS
展前市道	[Herminal Voltage] V	34	24	.24
MEAK	[Normanal Comment] A	K.15	342	103.83
教室出版	(Norvinel Torpes) N.M.	3.00	1.00	0.99
新艾特港	(Normanial Speed) runts	13990	1 1993	220
最大空劇物准	1Max Special I rpm	1898	805	41D
#SMRUB	Eldas breitiert Torrace 3. W.M.	113	36	3.42
最大編封电波	[Max bettarit Clament] A	15.00	15.00	4.75
NAME OF COMMENTS	[Une listingers] (3.	0.28	E14	(3.90)
用电方式	(Wire Connect)	1	10	
NAME OF COLUMN	[Phase to Phase Industry of 1994	6.24	125	0430
特殊发展	Speed Constant2 rare/v	79	34	17
经复生效	Clientes Contant 14 Mile	0.12	0.28	0.17
教学情景	Rotor Inertia] gc e Norther of Pole Pater	913	935	935
NAME OF COLUMN	Number of Pole Parts	ta	14	14
电机道器	[Motor Weight] g	360	360	360
工作連進工程	[Working Semperature] C		20-80.5	
882438	[Mas Demagnetize Temperature] 'C		120°C	
15.67	IEID III Matched Driver		IERCELE B Matched Drive	<i>i</i>
信息法定美国	(Drive)		DRC10	
NUMBER	Deput Vehage] W		8-35 C	7
家田田和太白屋	(Current) A		Normal : 64 Instant: 15	A.
REDA	Discontrated Paraset? W	-	200	-
通貨方式	[Communication]		RS-485/CAN 845	
IN LUE IN X	[Incoder]		14 Lit magnetic errouter	
派特准	[Roart Farts]	9600	10000. 57600. 115300ut	ofaulto
ANNE	(Communication threadency)	CAN BUS #1	MEPS 2002 : RS485ar 115	2008/5/55042
ITNEE /	[Control frequence]	Torque lings/24	WHZ / Spend loop: 10HZ / Pro	uttion loop 4KHZ
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加速度条件	[S-Gurver]		YES	
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MOTOR CHARACTERISTIC CURVE



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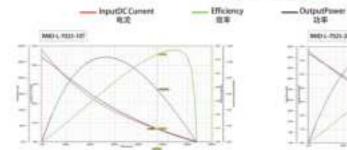


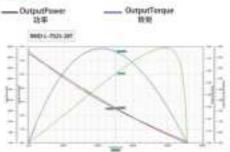
PRODUCT PARAMETERS

产品参数》

P234	Diant Barris)	HME14 2023,107	EM25-C 7925-367
報道來這	[Herninal Voltage] V	24	1 24
MEAK	[Northinal Connerst] A	8.30	1.00
REEN	(Nominal Torque) 16.84	1.60	1.60
新艾特浦	(Newsarral Second) mate	1500	285
着大空救转准	[Max Special] rpm [Max Instant Jumpse] H.M.	1890	510
	EMax britant Junges 3, m.M.	/ 304	1
最多期的規算 最大規則有且	[Max betdarit Current] A	#1.00	8.50
NAME OF COMMENTS	[Unellesintens] (I.	0.28	2.20
接电方式	[Wire Connect]	¥	1. V.V.
15-1-1.1	[Phase to Place Inductorial roll.	0.29	2.01
性液发展	Speed Constant2 rare/v	79	21
112X0 112X0	[How in How Industrial mit. [Speed Constant] nprov (Deque Constant] H.M.A	0.70	5.51
對子懷蒙	(Rotor Inertia) gc e	933	1640
待对我	Number of Pole Paint	14	1
10.0138.00	[Metor Weight] g	160	348
工作通貨工業	[Women Servicesture] C	- 70 - H3 T	
845438	[Max Demagenetize Temperature] C	120%	
58	TE CH Matched Driver	IERC# ICIB Matched Driver	
适爱能信素目	(Drive)	DBC10	
MOMMAN.ED.B.	Digut Vehicle 7	A REAL PROPERTY AND A REAL PROPERTY A REAL PROPERTY AND A REAL PROPERTY AND A REAL PRO	
家田田和太白田	(Current) &	Mormal : 6A Instant: 15A	
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通貨方式	[Communication]	85-485/CAN 865	
101221432	[frender]	14 ket magnetic enume	
派特准	[Rout Rate]	9600. 10000. 57600. 115200x/b/sart	
MINA .	Community manufactures	9600, 19200, 57600, 111200(default) CAN BUS #TMIP'S 2007 ; ISSA114 111200(HS-58042	
ITNHE /	[Control Intervence]	Tampie lings 24012 / Speed loop 1002 / Painton loop 4012 Tampie lengthalter loop / speed loop performation	
控制模式	Construct mented	Targase Rengel (arrent loog) / speet longs permitted longs	
加速度条件	[S-Curve]	YES	
新建筑得开车	[10 cont(5.]	1000 H 2000	
接着件	[rannector]	2013.7879	
建筑的建筑	interestion!	111	

MOTOR CHARACTERISTIC CURVE





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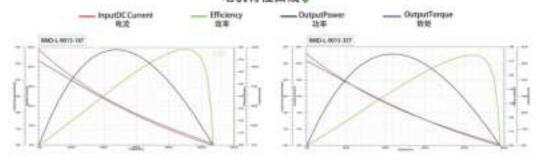


PRODUCT PARAMETERS

产品参数~

P234	Diani Barral	HMC-L-BOLL LAT	HME3-L-0013-341
観察地道	[Nerrinal Voltage] V	34	24
MEAK	[Nortical General] A	7.01	3.16
REEN	(Norninal Torgan) 16.88	1.54	1.62
發了於連	(Nontring) Second 2 mate	783	290
着大空救转走	[Max Special] rpm [Reas Instant Timpse], IS.M	1045	500
BOMRUM.	ERfass brokkert Durrage 2 Milde	5.4	al contra
最多期料型量 最大期时未近	[Max bestary Current] A	15.00	11.00
NAME OF COMMENTS	[Unellegitzers] ().	0.15	1.31
用电力式	[Wire Connect]	- X	1
1511 18.25	[Phase to Place Inductorian] rold	0.41	1.01
1475	Speed Constant), spenty	45	31
经发发时	Charges Constant 3 MMA	0.10	G41
助子信葉	[Rotor Inertia] gcat	5271	3275
助子信服 (取引数 	Provention of Pole Parent	74	0.0045
物机准备	[Mator Weight] g	650	650
工作课意思解	[Warting Semperature] C	- 70 - 83 5	
882438	(Mas Demagnetiae Temperature) 'C	120°C	
	EDB Matched Driver	IEE'RI II B Matched Driver	
成和限定表目	(Drive)	DRC10	
秋田朝鮮人為出自由	Deput Vellage W	1.4.7 Cont 1.4.1	
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通貨方式	[Communication]	R5-485 /CAN BL5	
#12143	[frendet]	14 Lit magnetic encoder	
派特准	[Roart Farts]	9600 10000 57600 115200.44444() CAN 865 #1MEPS 2002 1 154414 1152008/553042	
MINAS .	(Communication Respancy)	CAN BUS #1M8P5 2002 ; R5445# 1152008P5.550H2	
1211日本	[Control frequency] Construitmented	Torque imgr.246HZ / Spend loop:80HZ / Position loop:46HZ	
控制模式	Conversion member 2	Tangue Tempforgeners (sogil / speed lange/peritted lange	
加速度曲线	[S-Curve]	and a second data second and YES are challed as the second second	
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MOTOR CHARACTERISTIC CURVE



RMD-L-Series Servo Motor

A Highly Integrated Power Output Module

The L-Series Servo Motor is a cutting-edge product designed to meet your power output needs. This motor module offers three key components: a high-performance FOC driver, a high-power density brushless motor, and a high-precision absolute position encoder.

Suitable for medium to high-speed scenarios ranging from **20RPM to 250RPM**, the L-Series Servo Motor provides exceptional performance and reliability. Its advanced features ensure smooth operation and precise control in various applications.

Experience seamless motion control with our state-of-the-art FOC driver that optimizes torque efficiency while minimizing energy consumption. The integrated brushless motor delivers impressive power density, allowing for compact designs without compromising on performance.

Whether you're looking to optimize industrial automation processes or enhance robotics systems, the L-Series Servo Motor is your go-to solution for efficient power output. Trust in its superior integration capabilities and enjoy unparalleled performance in demanding environments.

The main application scenarios:

Mechanical arm Manipulator Lead screw drive 3D printing PTZ/Pan-tilt head Turntable Inspection robot

Revolutionizing Traditional Distributed Design

Experience a breakthrough in product design with innovative L-Series Servo Motor. By breaking away from traditional distributed design, this cutting-edge motor enables a simpler and more streamlined structure for your end products. With enhanced internal wiring, you can enjoy effortless connectivity and improved overall performance.

The L-Series Servo Motor is designed to meet the demands of modern industries, offering unparalleled stability and reliability. Its advanced technology ensures smooth operation and precise control, allowing for seamless integration into various applications.

With its sleek and compact design, the L-Series Servo Motor not only optimizes space utilization but also simplifies installation processes. Say goodbye to complex wiring systems as this motor provides convenient internal wire routing options that save time and effort during assembly.