

EXCELLENT QUALITY PRODUCTS

Exceeding Our Customer Expectations



AEROSPACE



INDUSTRY



DEFENSE



GREEN POWER
PRODUCTS

- Actuator
- Servo Motor
- Torque Motor
- Positioners
- Resolver
- Brush & Brushless Motor
- Drive Director Motor
- Potentiometer



六俊電機儀具股份有限公司



伺服致動器系列一

(一)、RA-900S1 伺服致動器:

No.	項目	規格
1. 電器	規格	
1-1	最大負載扭矩 (Stall Torque)	≧900in-lb
1-2	動態負載扭矩 (Rated Torque)	≧450±20in-lb
1-3	無載轉速 (No Load Speed)	≧150°/Sec
1-4	負載轉速 (Rated Speed) at rated torque	≥100°/Sec
1-5	操作電壓 (Supply Voltage)	28VDC
1-6	操作電壓範圍 (Supply Voltage Range)	22 29VDC
1-7	靜態負載電流 (Rated Current) at stall torque	≦9A
1-8	動態負載電流 (Peak current) at rated	≦15A
2 機械	torque 特性規格	
2-1	外觀尺寸 (Case Dimensions)	≤219(W)× 124(L)× 54(H)mm
2-1		
2-2	機械齒隙 (Backlash (Mechanical))	≦0.5°@1.5in-lb
2-3	電控行程(Electric Travel Angle)	±45° (Error: ± 2°)
2-4	機械行程(Mechanical Travel Angle)	±50° (Error: ± 2°)
2-5	重量 (Weight)	≦2.7kg
3. 控制	, 特性規格	
3-1	通訊介面 (Communication Interface)	Dual CAN @ver. 2.0B
3-2	控制精準度(Control Accuracy)	≦0.3°
3-3	操作温度(operative temperature)	-40°C~71°C



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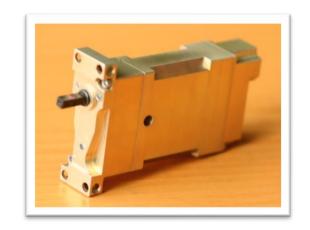
伺服致動器系列二

(二)、RA-120 伺服致動器:

No.	項目	規格
1.電器規	格	
1-1	最大負載扭矩 (Stall Torque)	≧120in-lb
1-2	動態負載扭矩 (Rated Torque)	≧60±20in-lb
1-3	無載轉速 (No Load Speed)	≧300°/Sec
1-4	負載轉速 (Rated Speed) at rated torque	≥200°/Sec
1-5	操作電壓 (Supply Voltage)	28VDC
1-6	操作電壓範圍 (Supply Voltage Range)	22 29VDC
1-7	靜態負載電流 (Rated Current) at rated torque	≦1.5A
1-8	動態負載電流 (Peak current) at stall torque	≤4A
2.機械特	性規格	
2-1	外觀尺寸 (Case Dimensions)	≤101(L) x 101(W) x 43.2(H)mm
2-2	機械齒隙 (Backlash (Mechanical))	≦0.5°@1.5in-lb
2-3	電控行程(Electric Travel Angle)	±45° (Error: ± 2°)
2-4	機械行程(Mechanical Travel Angle)	±50° (Error: ± 2°)
2-5	重量 (Weight)	≤0.75kg
3.控制特	性規格	
3-1	通訊介面 (Communication Interface)	CAN @ver. 2.0B
3-2	控制精準度(Control Accuracy)	≦0.3°
3-3	操作温度(operative temperature)	-40°C~71°C



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伺服致動器系列三

(三)、RA-105(R)(E)伺服致動器:

No.	項目	規格
1.電器規	•••	2012
1-1	最大負載扭矩 (Stall Torque)	≧45in-lb
1-2	動態負載扭矩 (Rated Torque)	≧25±2in-lb
1-3	無載轉速 (No Load Speed)	≥200°/Sec
1-4	負載轉速 (Rated Speed) at rated torque	≧150°/Sec
1-5	操作電壓 (Supply Voltage)	28VDC
1-6	操作電壓範圍 (Supply Voltage Range)	22 29VDC
1-7	靜態負載電流 (Rated Current) at rated torque	≦1A
1-8	動態負載電流 (Peak current) at stall torque	≦2A
2.機械特	性規格	
2-1	外觀尺寸 (Case Dimensions)	≤160(L)x85(W) x30(H) mm
2-2	機械齒隙 (Backlash (Mechanical))	≦0.5°@1.5in-lb
2-3	電控行程(Electric Travel Angle)	±45° (Error: ± 2°)
2-4	機械行程(Mechanical Travel Angle)	±50° (Error: ± 2°)
2-5	重量 (Weight)	≦0.35kg
3.控制特	性規格	
3-1	通訊介面 (Communication Interface)	Dual CAN @ver. 2.0B or PWM (option)
3-2	控制精準度(Control Accuracy)	≦0.3°
3-3	操作温度(operative temperature)	-40°C~71°C

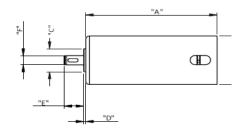


六俊電機儀具股份有限公司

Racing Electric Instrument Co., Ltd

Brushless DC Motor, With Ball Screw





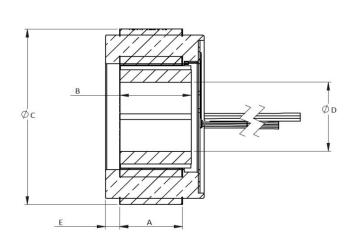
No.	項目(Description)	規格(Specification)
110.		
1	外觀尺寸(Physical Dimension)	12.7(A) x 17.3 (B) x 37.8(C) x 6.4(D) x 4.5(E) x8.8(F) mm
2	額定電壓(Rated Voltage)	60 VDC
3	操作電流(Operating Current)	20 Amp
4	無負載電流(No Load Current)	0.5 Amp
5	繞線電阻(Winding Resistance)	0.95 Ω
6	繞線電感(Winding Inductance)	1.10 Mh
7	輸出轉速與扭力(Rated Speed @ Rated Torque)	5500 rpm @67 oz-in
8	反電動勢常數(BEMF Constant, Kb)	≥0.049 V-sec/rad
9	扭力常數(Torque Sensitivity, Kt)	7.0 oz-in/Amp
10	重量(Weight)	$\leq 0.635 \mathrm{Kg}$
11	轉子慣量(Rotor Inertia(Jm)	6 x 10 ⁻⁴ oz-in-sec ²

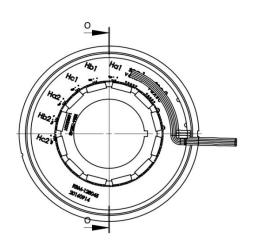




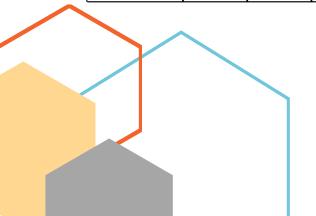
Torque Motor

A. FRAMLESS TYPE





Model	"A"	"B"	"C"	"D"	"E"	"F	Peak torque	Voltage
number	mm	mm	mm	mm	mm	mm	Oz-in	V
namber	(in)	(in)						
RBTM-128010	10.00	16.00	128.90	50.80	10.10	5.50	160	24
KB 1W-120010	(0.39)	(0.63)	(5.07)	(2.00)	(0.40)	(0.22)		
RBTM-037025	12.70	17.30	37.79	6.37	8.50	3.80	21.5	12
KB 1W-037025	(0.50)	(0.68)	(1.49)	(0.25)	(0.33)	(0.15)		
RBTM-229030	14.10	17.50	228.60	161.96	11.00	8.70	1900	24
KB 1W-229030	(0.56)	(0.69)	(9.00)	(6.38)	(0.43)	(0.34)		
RBTM-4935	19.10	23.60	49.20	10.02	10.20	5.20	158	24
KB1W-4933	(0.75)	(0.93)	(1.94)	(0.39)	(0.40)	(0.20)		
RBTM-128045	45.00	51.00	128.90	50.80	15.47	10.20	800	24
RB 1W-120045	(1.77)	(2.01)	(5.07)	(2.00)	(0.61)	(0.40)		
DDTM 6066	50.80	55.37	60.35	12.72	10.16	5.10	424	60
RBTM-6066	(2.00)	(2.18)	(2.38)	(0.50)	(0.40)	(0.20)		
DDTM 6002	74.40	81.50	60.35	12.72	12.60	5.50	566	28
RBTM-6093	(2.93)	(3.21)	(2.38)	(0.50)	(0.50)	(0.22)		

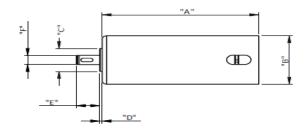




Torque Motor-

B. HOUSED TYPE



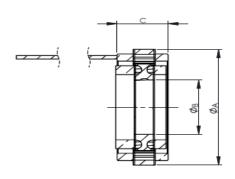


Model	"A"	"B"	"C"	"D"	"E"	"F	Peak torque	Voltage
number	mm	mm	mm	mm	mm	mm	Oz-in	V
number	in	in	in	in	in	in		
RBM-2824	16.9	28	11	3.1	10.7	4	18	24
RDIVF2024	0.67	1.10	0.43	0.12	0.42	0.16		
RBM-4485A	102	44.4	28.6	3.7	70.7	9.29	75	60
K BIVI-4403A	4.02	1.75	1.13	0.15	2.78	0.37		
RBM-4989T	126	57.6	38.1	1.5	18.5	9.52	398	28
K DIVI-4909 I	4.96	2.27	1.50	0.06	0.73	0.37		
CBF-232A	112.8	49	23	5	13.8	5.5	600	180
CBF-232A	4.44	1.93	0.91	0.20	0.54	0.22		



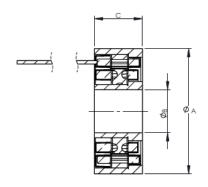
Resolver - Pancake Type

A. Bare



Model	"ψΑ"	"ψB"	″ψC″	Speed	Function	Primary Winding	Input-VRMS	Freq.	Accuracy	Accuracy (optional)
number	mm	mm	mm					Hz		
RHP-7018	69.85	44.32	15.24	1	RX	R	26	400	6′	3′
RHP-9614B	96.01	69.6	17.03	1	RX	R	26	2000	6′	3′
RHP-12619B	126.86	87.76	22.3	1	RX	R	26	2000	6′	3′
RHP-220021	209.55	158.25	21.6	1/32	RX	R	26	400	1"	
RHP-220021A	209.55	158.25	21.6	1	RX	R	26	400	20′	

B. Sleeve and Hub



Model	"ψΑ"	"ψΒ"	"C"	Speed	Function	Primary Winding	Input-VRMS	Freq.	Accuracy	Accuracy (optional)
number	mm	mm	mm					Hz		
RHP-3413	33.34	11.43	12.7	2	RX	R	5	400	8'	
RHP-5513	60.32	27.94	13.46	2	RX	R	26	400	2'	

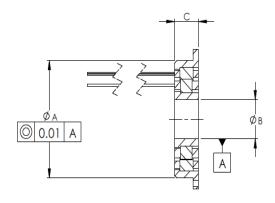






Resolver-Pancake Type-

C. Sleeve and Hub (Flange)



Model	"ψΑ"	"ψΒ"	"C"	Speed	Function	Primary Winding	Input-VRMS	Freq.	Accuracy	Accuracy (optional)
number	mm	mm	mm					Hz		
RHP-3006	34	12	8.1	1	RX	R	10	3200	5'	3
RHP-4210	41.91	13.97	10.16	1	RX	R	5	400	5'	3



RACING ELECTRIC INSTRUMENT CO,.LTD. 2F., No.27-2 Jilin Road., Zhongli District, Taoyuan City 320, Taiwan E-mail: sales@racing.com.tw

Tel: +886-3-462-9511 Fax: +886-3-462-9509