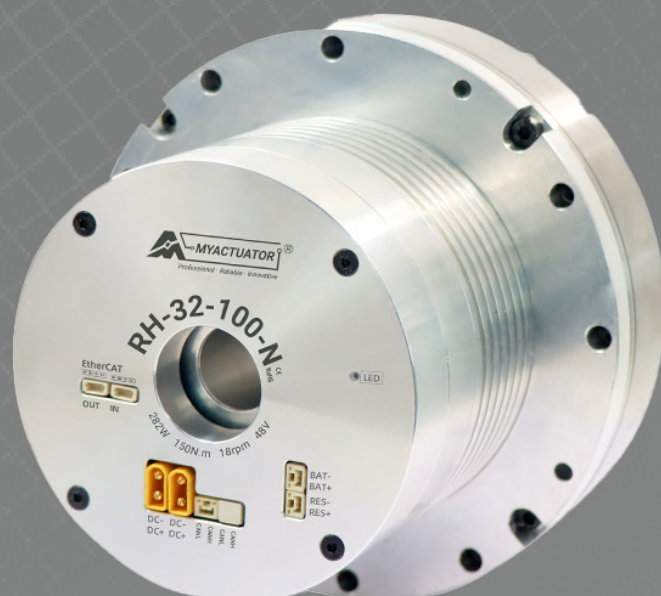
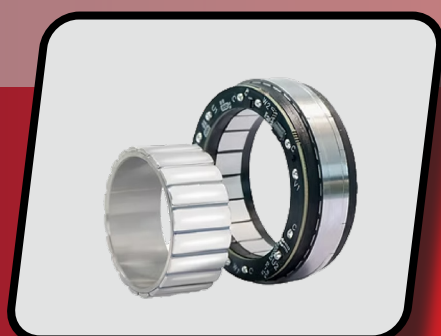


ALL IN ONE CUSTOMIZABLE PANCAKE BRUSHLESS SERVOMOTOR



RMD-H/X SERIES
RH SERIES
EPS-CEM SERIES
RMD-FL / FLO SERIES

V1.2.6



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Changzhou, Jiangsu, China

NEW PLANETARY ACTUATOR

Dual Encoder / Hollow Shaft / EtherCAT RMD-X V4



NEWS X-V4 Series Product Parameters

Parameters	Units	X2-7	X4-36	X6-60	X8-1250	X12-320	X15-450
Gear ratio	-	28,17	36	19,612	19,612	20	20,25
Input Voltage	V	24	24	48	48	48	72
Rated Speed	RPM	142	83	153	127	100	98
Rated Torque	N.m	2,5	11,5	20	43	85	145
Rated Power	W	37	100	320	574	900	1480
Rated Phase Current	A	3	6,1	9,5	17,6	30	25
Peak Torque	N.m	7	34	60	110	320	450
Pole Pair	-	13		10	10	20	20
Encoder Type	-	Dual Encoder ABS-17BIT <input/> / 18BIT(output)			Dual Encoder ABS-17BIT <input/> / 17BIT(output)		
Weight	kg	0,25	0,36	0,82	1,4	2,6	3,6

*1. Standard models do not come with brakes. Customization is available.

*2. Standard models are not waterproof. For IP54, please contact sales before ordering.

*3. Standard models support both CAN BUS and EtherCAT protocols.

Single Encoder RMD-X V2



Dual Encoder RMD-X V3



X-V2 / V3 Series Product Parameters

Parameters	Units	X4-3	X6-7	X6-40	X8-25	X6-8	X8-20	X8-60	X10-40	X10-100
Gear ratio	-	6	6	36	9	8	6	36	7	35
Input Voltage	V	24	48	48	48	48	48	48	48	48
Rated Speed	RPM	200	400	90	110	310	190	40	165	50
Rated Torque	N.m	1,5	3,5	18	10	4,5	10	30	15	50
Rated Power	W	30	150	170	125	135	200	130	265	265
Rated Phase Current	A	2	4	5,2	3,2	3,6	5,2	4	6,5	6,7
Peak Torque	N.m	3	7	40	25	8	20	60	40	100
Pole Pair	-	14	14	14	21	14	20	20	21	21
Encoder Type	-	18bit				14bit/ 14bit				
Weight	kg	0,3	0,35	0,59	0,71	0,49	0,78	0,9	1,15	1,7

*1. Standard models doesn't support brake, support customization.

*2. Standard models doesn't support IP54, support customization.

*3. Standard models support Communication : CAN BUS or RS485.

*Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other heat dissipation methods), the test is performed at the rated speed.

The motor torque reaches temperature balance under the condition of a temperature rise of 60 degrees Celsius, and the long-term working point is the rated torque value of the motor.

HOLLOW DIRECT DRIVE ACTUATOR

CYCLOIDAL ACTUATOR

EtherCAT / High Precision / Hollow Shaft RMD-H



Hollow Direct Drive Actuator

RMD-H Series Product Parameters

Parameters	Units	H-50-15	H-70-15	H-90-15
Input Voltage	V	24	48	48
Rated Speed	RPM	2500	2400	1600
Rated Torque	N.m	0,35	0,8	1,5
Rated Power	W	91,6	200	252
Rated Current	A	4,9	4,4	6,6
Torque Constant	N.m/A	0,07	0,18	0,23
Axial Payload	N	489	1870	2350
Radial Payload	N	100	440	770
Weight	kg	0,24	0,47	0,71

Dual Encoder EPS-CEM



Cycloidal Actuator

CEM series Product Parameters

Parameters	Units	CEM-15	CEM-25	CEM-40
Gear ratio	-	30	30	30
Input Voltage	V	48	48	48
Rated Speed	RPM	140	100	80
Rated Torque	N.m	9	15	25
Rated Power	W	132	157	210
Rated Phase Current	A(rms)	2,3	2,6	5,7
Communication	-	CAN BUS / EtherCAT	CAN BUS / EtherCAT	CAN BUS / EtherCAT
Weight	kg	0,6	0,65	0,94

HARMONIC ACTUATOR

Dual Encoder / Hollow Shaft / EtherCAT EPS-RH



RH Dual Encoder Series Product Parameters

Parameters	Units	RH-14	RH-17	RH-20	RH-25	H-32
Gear ratio	-	100	100	100	100	100
Input Voltage	V	48	48	48	48	48
Rated Speed	RPM	25	25	25	25	18
Rated Torque	N.m	11	35	50	108	150
Rated Power	W	28	91	130	282	282
Rated Current	A	2,8	4,7	6,8	10,6	21,8
Torque Constant	N.m/A	4	7,4	7,3	10,1	6,9
Communication	-	CAN BUS / EtherCAT				
Weight	kg	0,78/-	1,11 / 1,28	1,45 / 1,75	2,42 / 2,74	4,32 / 4,74

*1. Standard models support brake option except RH-14

*2. Standard models are not waterproof. For IP54, please contact sales before ordering.

*3. Standard models support both CAN BUS and EtherCAT protocols.

*4. 50:1 gear ratio is also available, please contact sales to confirm lead time before ordering

Single Encoder / Hollow Shaft EPS-RH



RH Single Encoder Series Product Parameters

Parameters	Units	RH-14	RH-17	RH-20	RH-25	H-32
Gear ratio	-	100	100	100	100	100
Input Voltage	V	48	48	48	48	48
Rated Speed	RPM	25	25	25	25	18
Rated Torque	N.m	11	35	50	108	150
Rated Power	W	100	180	250	400	700
Rated Current	A	6,5	9	13	16	20
Torque Constant	N.m/A	0,02	0,04	0,04	0,07	0,09
Communication	-	CAN BUS	CAN BUS	CAN BUS	CAN BUS	CAN BUS
Weight	kg	0,71	1,1	1,45	2,3	4,3

*1. Standard models support brake option except RH-14.

*2. Standard models are not waterproof. For IP54, please contact sales before ordering.

*3. Standard models only support CAN BUS.

*4. 50:1 gear ratio is also available, please contact sales to confirm lead time before ordering

*Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other heat dissipation methods), the test is performed at the rated speed.

The motor torque reaches temperature balance under the condition of a temperature rise of 60 degrees Celsius, and the long-term working point is the rated torque value of the motor.

FRAMELESS INNER ROTOR MOTOR FRAMELESS OUTER ROTOR MOTOR

Large Diameter / Big Hollow Shaft / Strong Torque

RMD-FL



Frameless Inner Rotor Motor

FL Series Product Parameters

Parameters	Units	FL-38-08	FL-50-08	FL-50-15	FL-70-10	FL-70-16	FL-85-13	FL-85-23
Input Voltage	V	48	48	48	48	48	48	48
Rated Speed	RPM	10470	5200	3800	3500	3000	2400	3500
Rated Torque	N.m	0,1	0,3	0,51	0,55	1,3	1,3	2
Rated Power	W	110	163	203	201	408	408	733
Rated Current	A	2,75	3,9	4,3	4,4	9,2	9,4	14,5
Peak Torque		0,32	0,96	15	1,65	2,6	3,9	6
Torque Constant	N.m/A	0,04	0,08	0,12	0,12	0,14	0,14	0,14
Encoder Type & Interface	N	Hall+INC	Hall+INC	Hall+INC	Hall+INC	Hall+INC	Hall+INC	INC
Weight	kg	0,05	0,11	0,15	0,24	0,24	0,46	-

Large Diameter / Big Hollow Shaft / Strong Torque

RMD-FLO



Frameless Outer Rotor Motor

FLO Series Product Parameters

Parameters	Units	FLO-50-15	FLO-70-15	FLO-90-15
Input Voltage	V	24	48	48
Rated Speed	RPM	2500	2400	1600
Rated Torque	N.m	0,35	0,8	1,5
Rated Power	W	91,6	200	252
Rated Current	A	4,9	4,4	6,6
Peak Torque	N.m	0,87	2	3,75
Torque Constant	N.m/A	0,07	0,18	0,23
Encoder Type & Interface	-	Hall+INC	Hall+INC	Hall+INC
Weight	kg	0,19	0,33	0,46



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