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International Market

whatsapp | EN website | Youtube

Domestic Market

Sales Manager | CN website | WeChat Official Account

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MYACTUATOR®

Professional · Reliable · Innovative

2026 CATALOG

RMD-X V4.1 Series Planetary Actuator (New)
RMD-X V4 Series Planetary Actuator
RH Series Harmonic Actuator
HM Series Harmonic Mini Actuator
CEM Series Cycloidal Actuator
H Series Hollow Direct Drive Actuator
L Series Direct Drive Actuator
FL Series Frameless Motor
FLO Series Frameless Motor

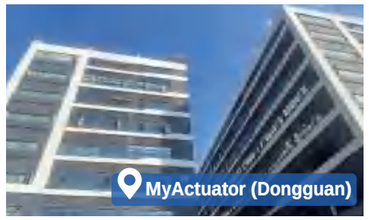
Micro Servo · Robot Solutions
Raybot: Ready Robotic Solutions

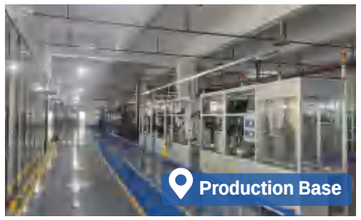
Company Profile

MyActuator develops advanced actuator and motion control systems designed for robotics, industrial automation, medical devices, smart systems and next-generation intelligent machines. We are a globally renowned provider of rotary planetary actuators, harmonic actuators and cycloidal actuators.

Through our diverse product offerings, we are accelerating their adoption across diverse industries and bringing next-generation intelligent machines into households worldwide. Our technologies are widely applied in robotics, industrial automation, medical devices, and smart systems.









Embodied Robotics Micro Power System Solution

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RB-A575-3 Robot Arm P25
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Applications

- Robotic Applications
- Healthcare
- Agriculture
- Industrial Automation
- Smart warehousing
- Other industries

RMD-X V4.1 Series Planetary Actuator For 2026

Special Series For Robot

Front and rear installation / Dual outlet / Hollow Design / EtherCAT & CAN BUS **V4.1**



Product Parameters

Parameters	Unit	X4-10-L	X4-36-L	X5-50	X6-80	X8-150	X10-200
Gear ratio	-	12.5	36	25.2	30	19.61	20
Rated Voltage	V	24	24	48	48	48	48
Rated Power	W	100	100	180	260	574	465
Rated Torque	N.m	4	10.5	14.5	25	43.0	60
Rated Speed	RPM	238	83	120	100	127	74
Peak Torque	N.m	11	30	45	80	150	170
No-Load Speed	RPM	317	111	130	117	158	80
Torque constant	N.m/A(rms)	0.62	1.8	2.9	2.6	2.97	5.1
	N.m/A(peak)	0.44	1.3	/	/	2.1	3.6
Back-EMF Constant	Vdc/Krpm	5	4.3	15.9	16	13.74	24.9
Efficiency	%	69	64.7	70	/	75	80
Control Accuracy	Degree	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Inertia	Kg.cm²	0.22	0.82	/	/	10.23	33.87
Weight	Kg	0.33	0.36	0.75	0.81	1.33	1.64
Communication	—	EtherCAT & CAN BUS					
Encoder	—	Dual Encoder					
Interface	—	ABS-17BIT/18BIT		ABS-17BIT/19BIT			
Voltage Range	V	20-55					

Note:

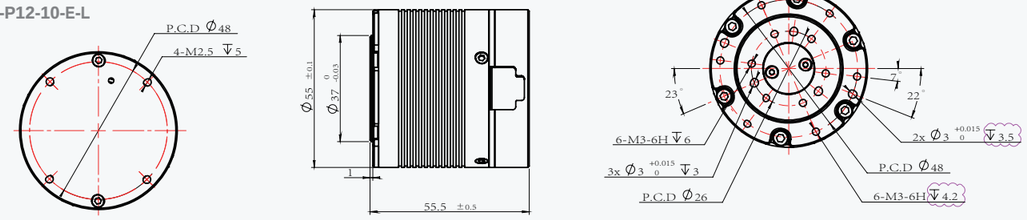
1.The maximum operating voltage of the motor is 55V. It is recommended that customers add an external capacitor to regulate voltage, so as to ensure stable battery power supply and protect the PCB from damage caused by voltage fluctuations.

2. If voltage exceeds the rated value, the operating speed must not exceed the motor's rated speed.

Installation Drawing

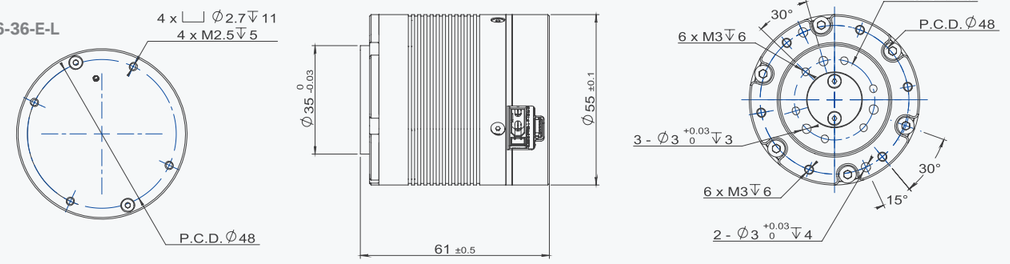
X4-10-L

RMD-X4-P12-10-E-L



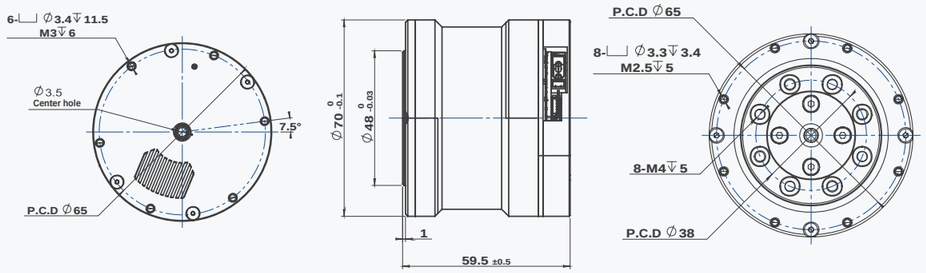
X4-36-L

RMD-X4-P36-36-E-L



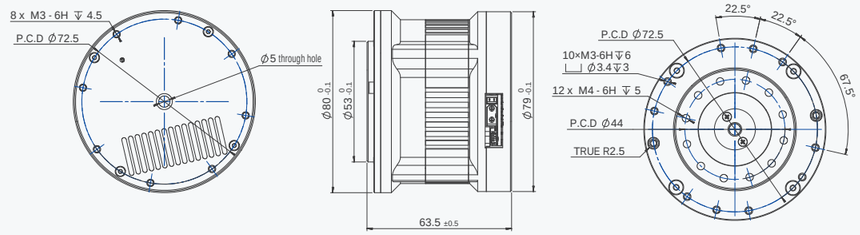
X5-50

RMD-X5-P25-50-E



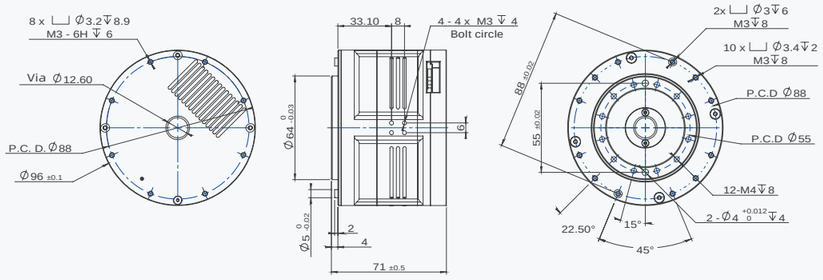
X6-80

RMD-X6-P30-80-E



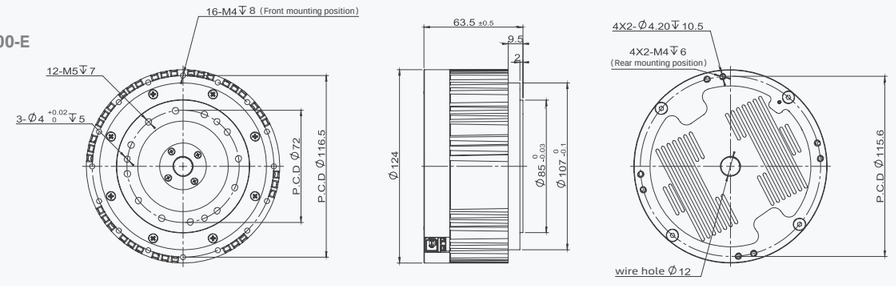
X8-150

RMD-X8-P20-150-E



X10-200

RMD-X10-P20-200-E



RMD-X V4 Series Planetary Actuator

Special Series For Robot

Dual Encoder / Hollow Design / CAN BUS / EtherCAT **RMD-V4**



Product Parameters

Parameters	Unit	X2-7	X6-60	X8-120	X12-320	X15-450
Gear ratio	-	28.17	19.61	19.61	20	20.25
Rated Voltage	V	24-48	48	48	48	72
Rated Power	W	37	320	574	900	1480
Rated Torque	N.m	2.5	20.0	43.0	85	145
Rated Speed	RPM	142	153	127	100	98
Peak Torque	N.m	7	60	120	320	450
No Load Speed	RPM	178	176	158	125	108
Torque constant	N.m/A	0.8	2.1	2.4	3.3	5.8
Back-EMF Constant	Vdc/Krpm	4.3	16.0	19.2	17.9	29.9
Efficiency	%	63	72.7	79.0	75	82.4
Control Accuracy	Degree	<0.01	<0.01	<0.01	<0.01	<0.01
Inertia	Kg.cm²	0.17	0.66	1.5	12.9	31.6
Weight	Kg	0.26	0.82	1.40	2.37	3.50
Communication	—	EtherCAT & CAN BUS				
Encoder	—	Dual Encoder				
Interface	—	ABS-17BIT/18BIT	ABS-17BIT/17BIT			
Voltage Range	V	20-55			20-70	20-80

Note:

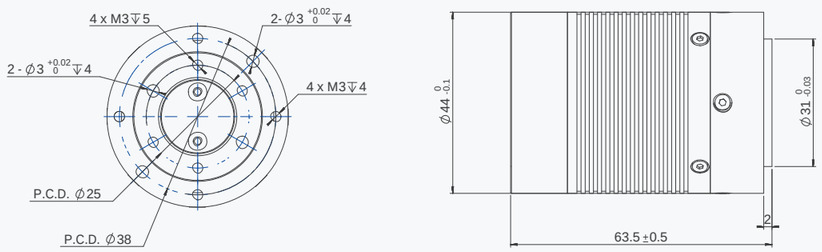
1.The maximum operating voltage of the motor is 55V. It is recommended that customers add an external capacitor to regulate voltage, so as to ensure stable battery power supply and protect the PCB from damage caused by voltage fluctuations.

2. If voltage exceeds the rated value, the operating speed must not exceed the motor's rated speed.

Installation Drawing

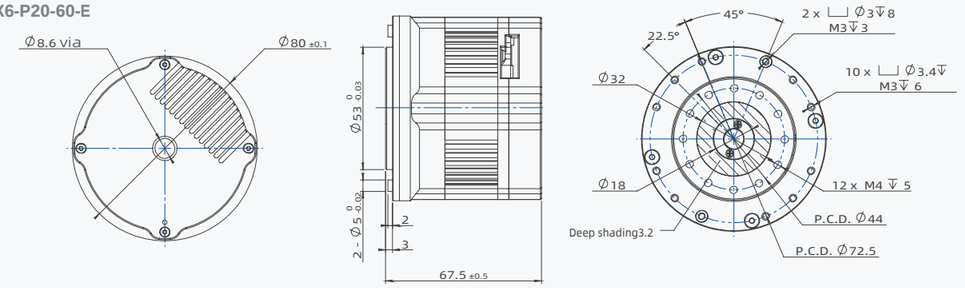
X2-7

RMD-X2-P28-7-E



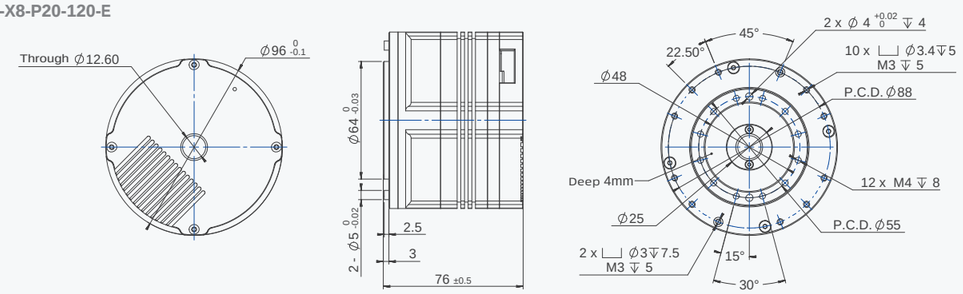
X6-60

RMD-X6-P20-60-E



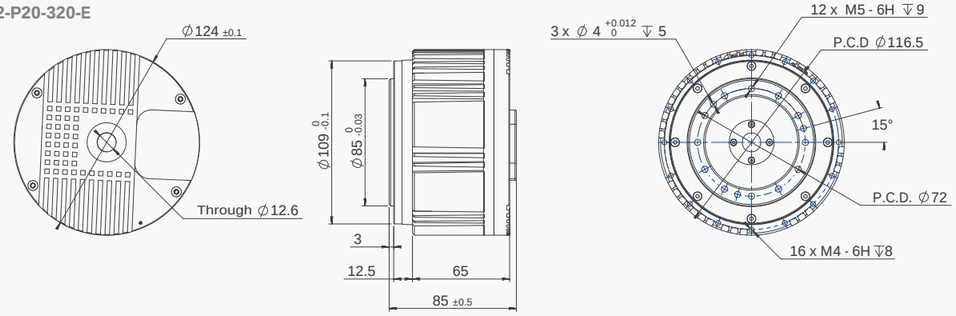
X8-120

RMD-X8-P20-120-E



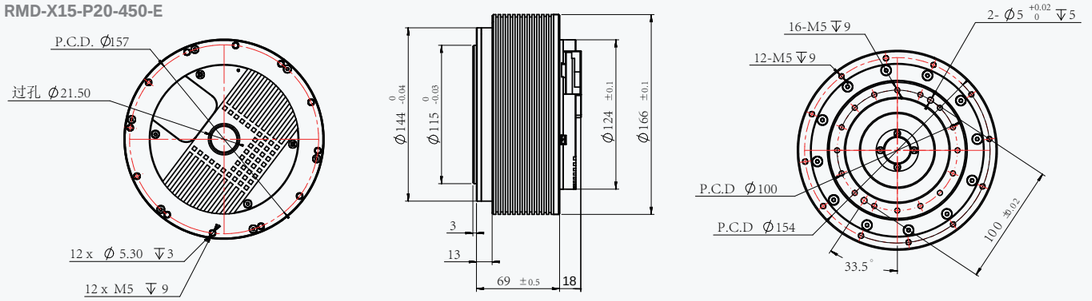
X12-320

RMD-X12-P20-320-E



X15-450

RMD-X15-P20-450-E



RH Series Harmonic Actuator

Dual Encoder / CAN BUS / EtherCAT **EPS-RH**



Product Parameters

Parameters		Unit	RH-14	RH-17	RH-20	RH-25	RH-32
Gear ratio		—	50 | 100	50 | 100	50 | 100	50 | 100	50 | 100
Rated Voltage		V	48	48	48	48	48
Rated Power		W	28	91	130	282	282
Rated Torque		N.m	5.5 | 11	17.5 | 35	25 | 50	54 | 108	75 | 150
Rated Speed		RPM	50 | 25	50 | 25	50 | 25	50 | 25	36 | 18
Peak Torque		N.m	14 | 28	27 | 54	40 | 80	78.5 | 157	114.5 | 229
No Load Speed		RPM	60 | 30	60 | 30	60 | 30	60 | 30	40 | 20
Torque constant		N.m/A	2 | 4	3.7 | 7.4	3.65 | 7.3	5.05 | 10.1	3.45 | 6.9
Back-EMF Constant		Vdc/Krpm	19.2	19.2	19.2	19.2	26.7
Efficiency		%	—	—	—	—	—
Control Accuracy		Degree	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Inertia	N	kg.cm²	0.11 | 0.29	0.16 | 0.52	0.21 | 0.87	0.51 | 1.94	0.82 | 6.86
	B	kg.cm²	—	0.18 | 0.56	0.24 | 0.95	0.59 | 2.32	2.05 | 8.32
Weight	N	Kg	0.78	1.11	1.45	2.42	4.32
	B	Kg	/	1.28	1.75	2.74	4.74
Communication		—	CAN BUS /EtherCAT				
Encoder		—	Dual Encoder ABS-17bit/ABS-17bit				
Voltage Range		V	20-55				

Note:

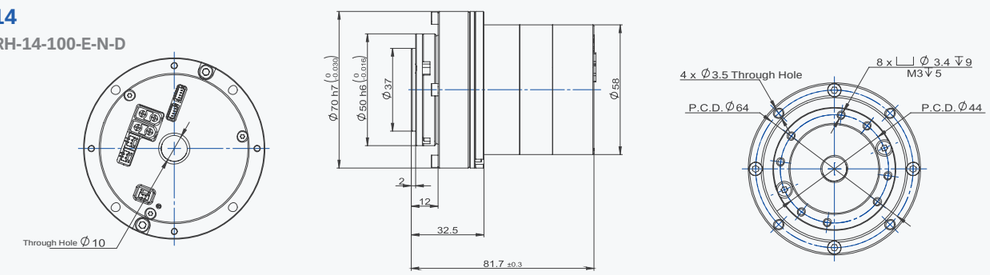
1.The maximum operating voltage of the motor is 55V. It is recommended that customers add an external capacitor to regulate voltage, so as to ensure stable battery power supply and protect the PCB from damage caused by voltage fluctuations.

2. If voltage exceeds the rated value, the operating speed must not exceed the motor's rated speed.

Installation Drawing

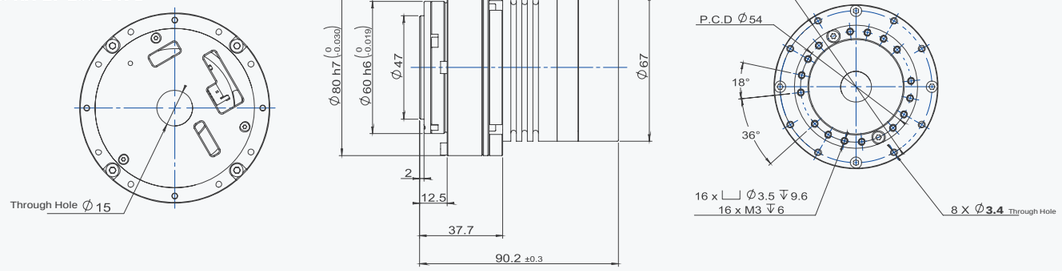
RH-14

EPS-RH-14-100-E-N-D



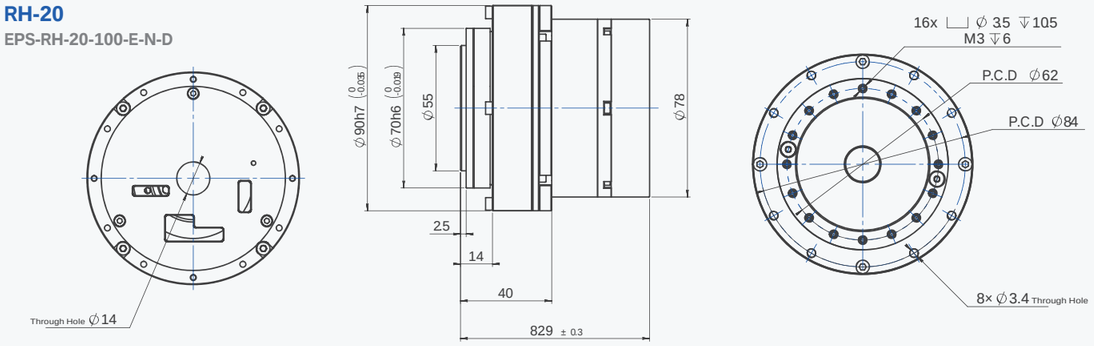
RH-17

EPS-RH-17-100-E-N-D



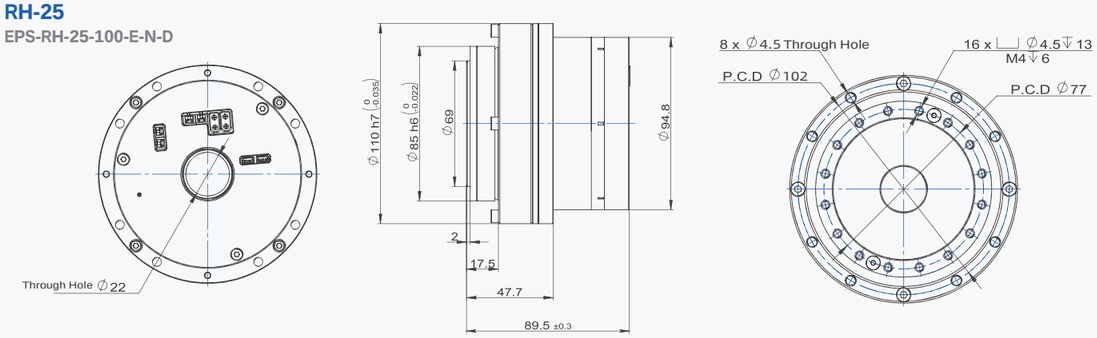
RH-20

EPS-RH-20-100-E-N-D



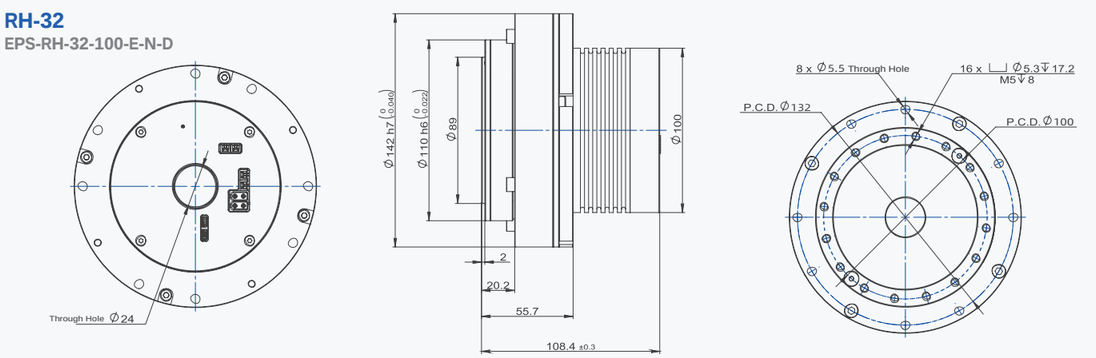
RH-25

EPS-RH-25-100-E-N-D



RH-32

EPS-RH-32-100-E-N-D



HM Series Harmonic Mini Actuator

Hollow Design / EtherCAT / Dual encoder **EPS-HM**



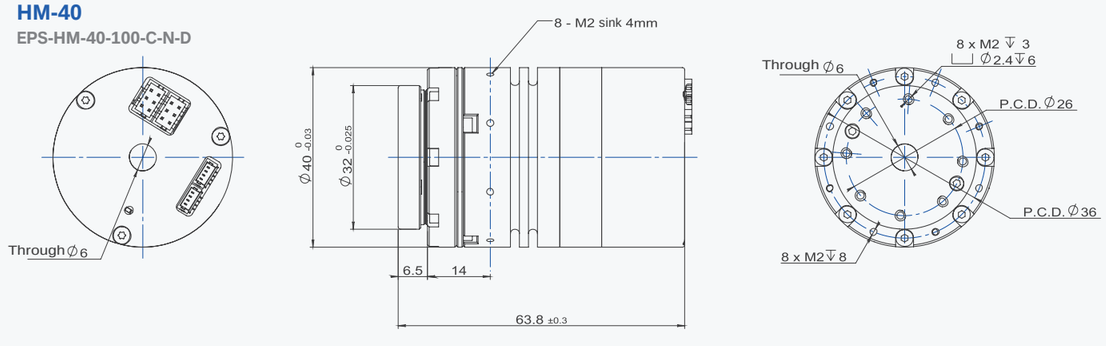
Product Parameters

Parameters	Unit	HM-40	HM-50	HM-60	HM-70
Gear ratio	—	100	80	100	100
Rated Voltage	V	48	48	48	48
No Load Speed	RPM	50	50	25	25
Rated Speed	RPM	30	40	20	20
Rated Torque	N.m	3.5	8	15	26
Rated Power	W	11	33	31	55
Peak Torque	N.m	10	25	37	65
Back-EMF Constant	Vdc/Krpm	16	15	24	24
Torque constant	N.m/A	/	5.84	3	5.17
Efficiency	%	/	/	/	/
Inertia	kg.cm²	/	0.29	0.1	0.32
Encoder	—	Dual Encoder			
Interface	—	ABS-17BIT/17BIT			
Repeat Position Accuracy	Degree	<0.01			
Communication	—	CAN BUS	CAN BUS / EtherCAT		
Weight	Kg	0.2	0.4	0.65	0.92

Installation Drawing

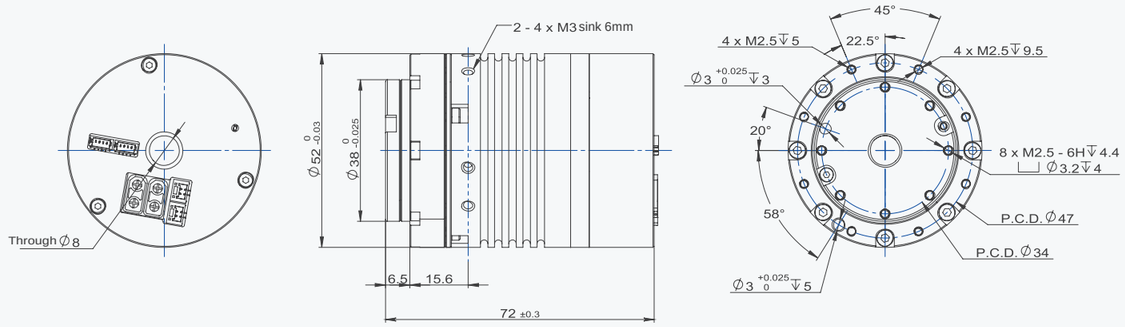
HM-40

EPS-HM-40-100-C-N-D



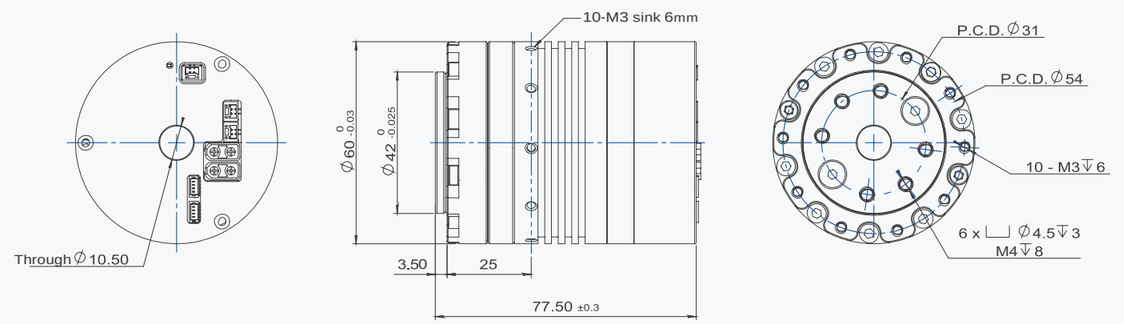
HM-50

EPS-HM-50-80-E-N-D



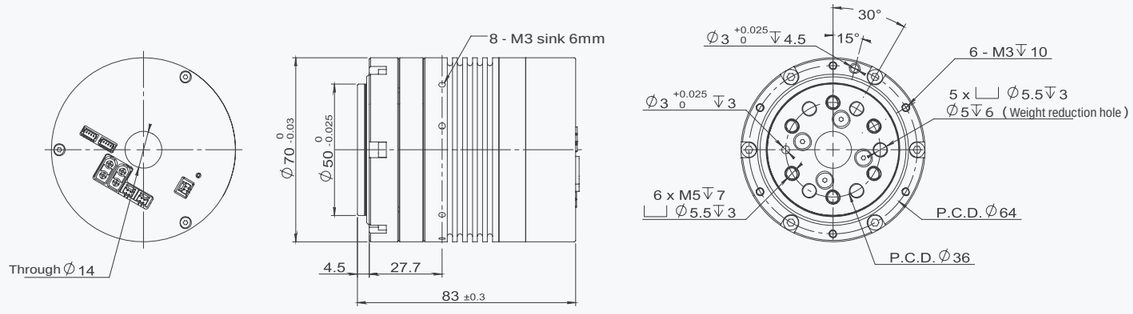
HM-60

EPS-HM-60-100-E-N-D



HM-70

EPS-HM-70-100-E-N-D



CEM Series Cycloid Actuator

Dual Encoder / CAN BUS / EtherCAT **EPS-CEM**



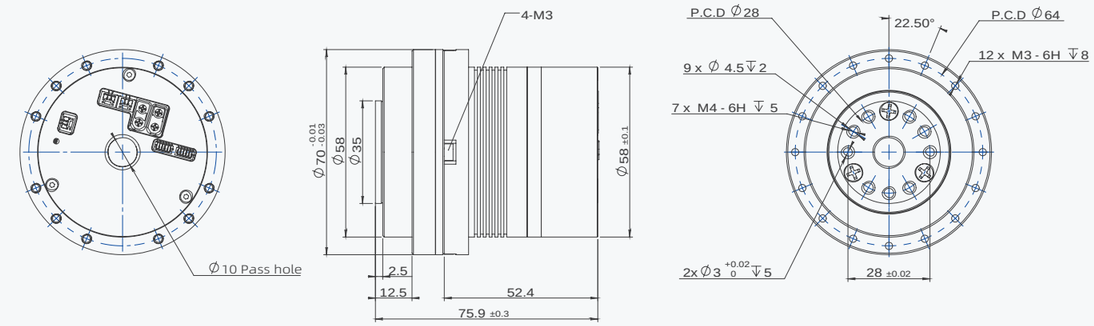
Product Parameters

Parameters	Unit	CEM-15	CEM-25	CEM-45
Gear Ratio	—	30	30	30
Input Voltage	V	48	48	48
No Load Speed	RPM	170	130	100
Rated Speed	RPM	140	100	80
Rated Torque	N.m	9	15	25
Rated Output Power	W	132	157	210
Rated Phase Current	A(rms)	2.3	2.6	5.7
Peak Torque	N.m	15	25	45
Peak Phase Current	A(rms)	6.5	7.2	16.8
Motor Back-EMF Constant	Vdc/Krpm	5.58	8.37	9.77
Module Torque Constant	N.m/A	2.4	3.6	4.2
Motor Phase Resistance	Ω	0.62	0.7	0.25
Motor Phase Inductance	mH	0.43	0.47	0.38
Pole Pair	—	10	10	10
3 Phase Connection	—	Y	Y	Y
Backlash	Arcmin	<5	<5	<5
Max axial load	KN	1	1	1
Max radial load	KN	2	2	2
Inertia	Kg.cm²	0.7	0.7	0.7
Encoder Type	—	ABS-17bit (Input) /17bit (Output)		
Repeat Position Accuracy	Degree	< 0.01	< 0.01	< 0.01
Communication	—	CAN BUS & EtherCAT	CAN BUS & EtherCAT	CAN BUS & EtherCAT
Weight	Kg	0.81	0.94	1.09
Insulation Grade	—	F	F	F

Installation Drawing

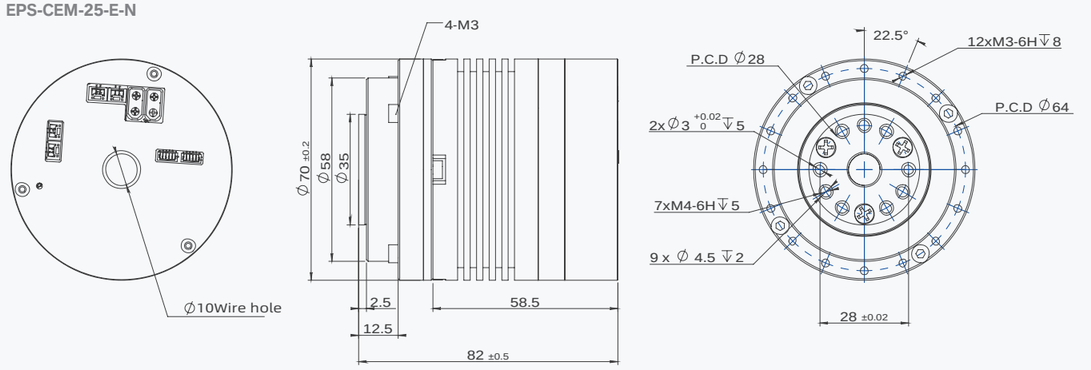
CEM-15

EPS-CEM-15-E-N



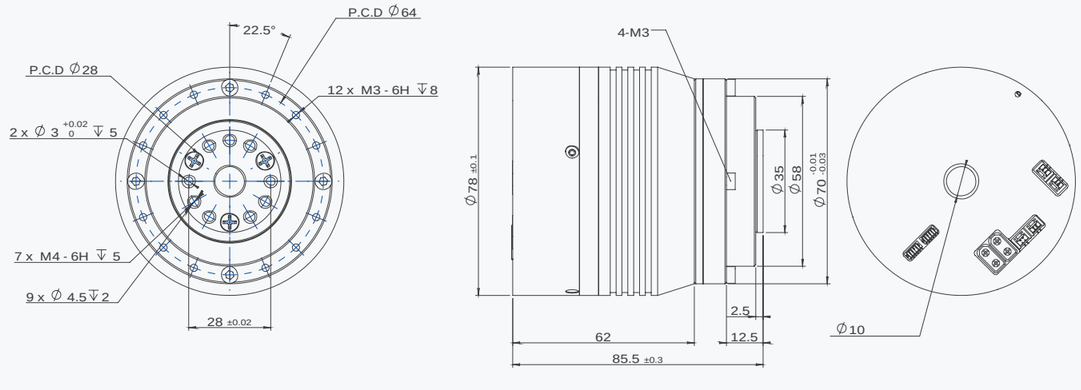
CEM-25

EPS-CEM-25-E-N



CEM-45

EPS-CEM-45-E-N



H Series Hollow Direct Drive Actuator

Hollow Design / Single Encoder / CAN BUS **RMD-H**

Outer Rotor



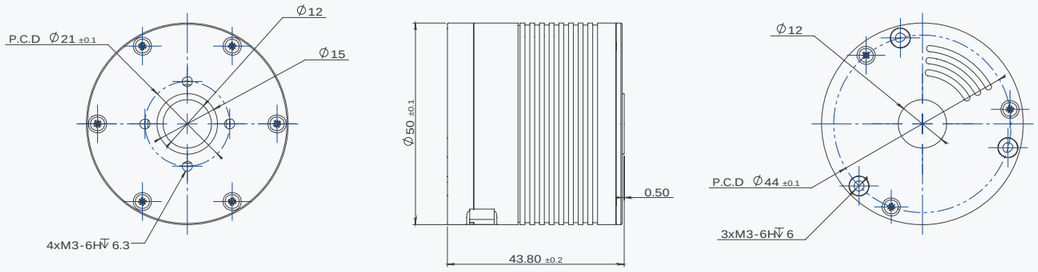
Product Parameters

Parameters	Unit	H-50-15	H-62-20	H-70-15	H-90-15
Input Voltage	Vdc	24-48	24-48	48	48
Rated Speed	RPM	2500	1500	2400	1600
Rated Torque	N.m	0.35	1	0.8	1.5
Rated phase current	rms/A	4.9	8	4.4	6.6
Peak speed	RPM	/	/	/	/
Peak Torque	N.m	0.9	2.5	2	3.75
Line Resistance	Ω	0.475	0.317	0.559	0.444
Line Inductance	mH	0.194	0.675	0.476	0.346
Pole Pair	/	14	7	14	21
Insulation class	/	F	F	F	F
Duty cycle	/	S2	S2	S2	S2
Weight	g	208	463	438	680

Installation Drawing

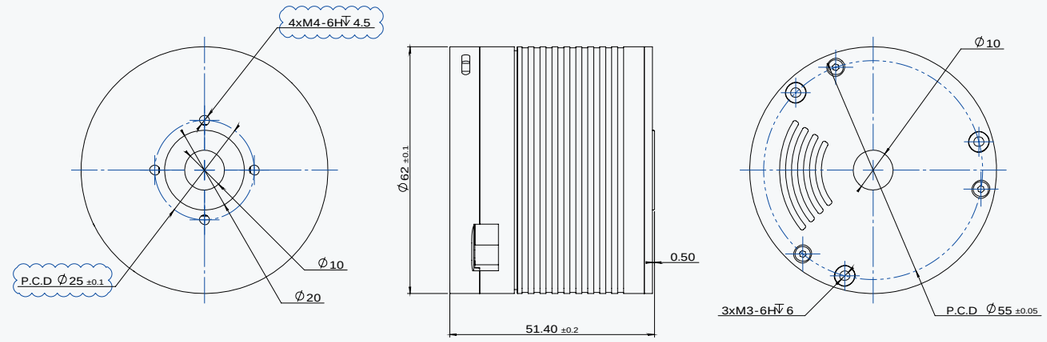
H-50-15

RMD-H-50-15-100-C



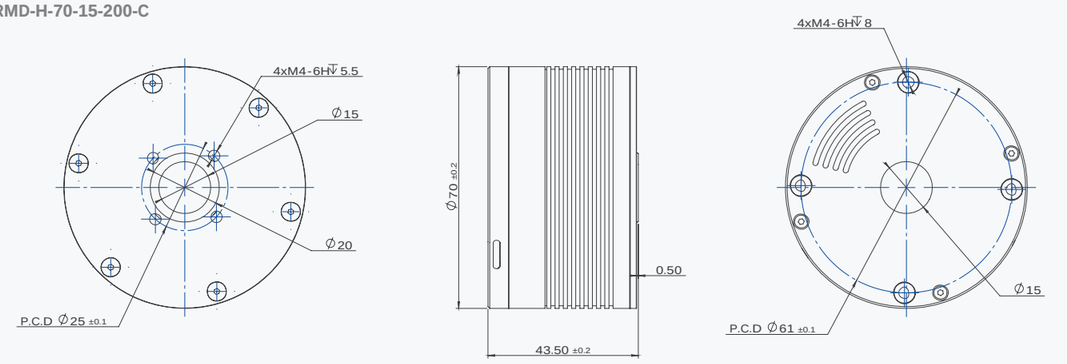
H-62-20

RMD-H-62-20-160-C



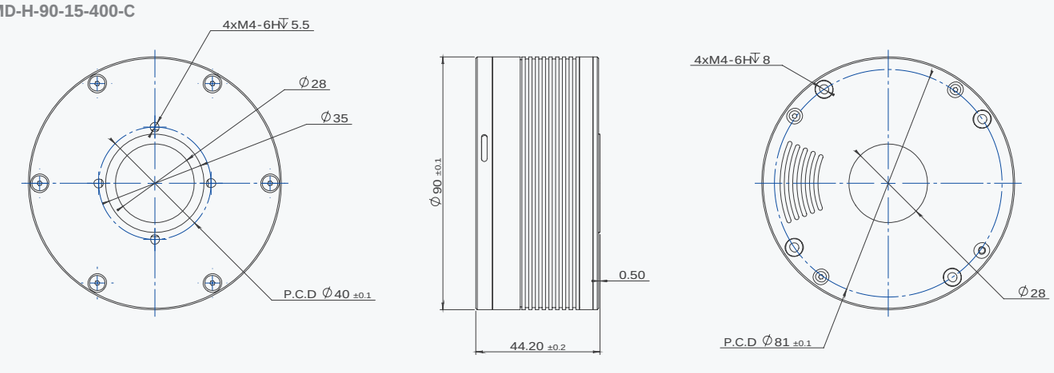
H-70-15

RMD-H-70-15-200-C



H-90-15

RMD-H-90-15-400-C



L Series Direct Drive Actuator

Hollow Design / CAN BUS / RS485 **RMD-L**



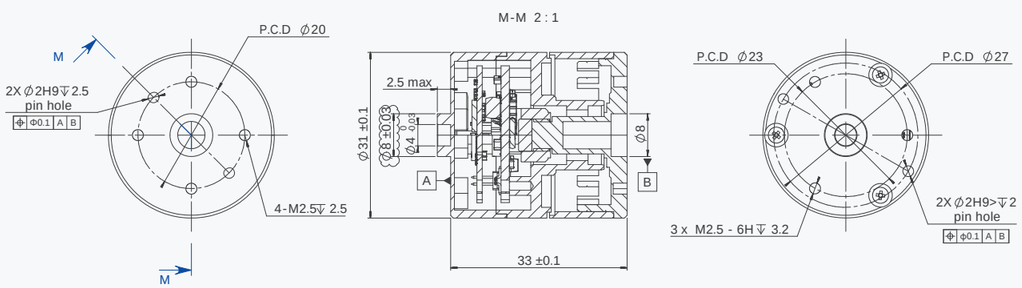
Product Parameters

Parameters	Unit	L-3108	L-4005	L-4010	L-4015	L-5005	L-5010	L-5015	L-7015	L-7025
Rated Voltage	V	24	24	24	24	24	24	24	24	24
Rated Current	A	0.94	1.44	1.43	1.88	1.67	1.65	1.57	3.62	3
Rated Torque	N.M	0.04	0.07	0.15	0.22	0.13	0.26	0.36	1	1.6
Rated Speed	RPM	2400	1600	560	520	1360	600	350	580	280
No Load Speed	RPM	3450	2390	1120	1010	1970	1015	680	805	510
Peak Torque	N.M	0.1	0.25	0.33	0.49	0.42	0.65	0.82	3.8	4.1
Peak Current	A	1.92	5.8	3.2	4.3	5	4.8	3.62	15	8.5
Torque Constant	N.M/A	0.052	0.05	0.1	0.12	0.08	0.16	0.23	0.28	0.53
Inertia	gcm^2	36.5	56	81	105	136	202	268	933	1040
Number of Pole Pairs	-	7	13	13	13	14	14	14	14	14
Weight	Kg	0.059	0.065	0.092	0.12	0.092	0.135	0.174	0.36	0.54
Control Accuracy	Drgee	0.001°								

Installation Drawing

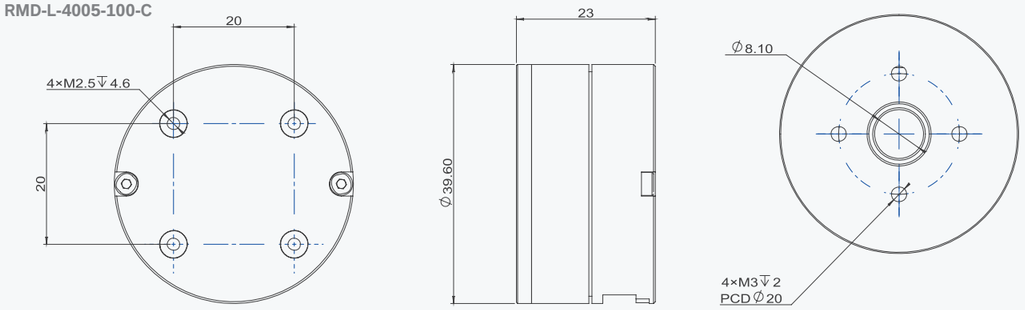
L-3108

RMD-L-3108-10-C



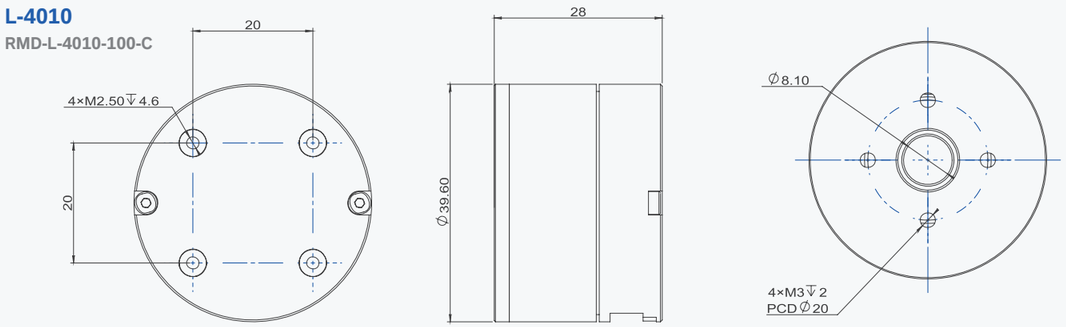
L-4005

RMD-L-4005-100-C



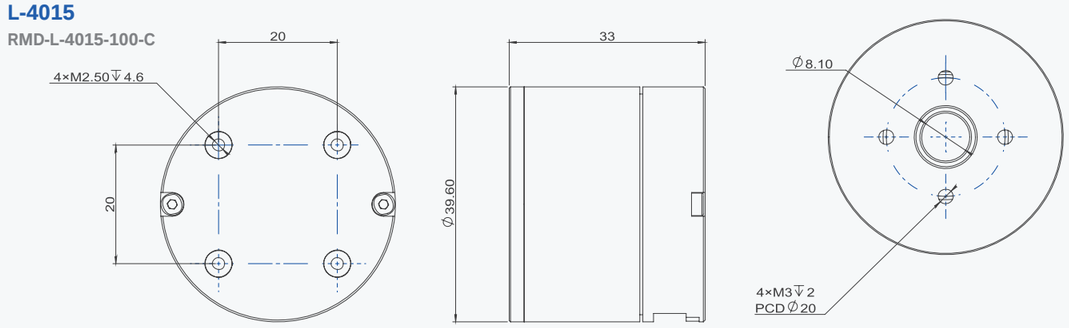
L-4010

RMD-L-4010-100-C



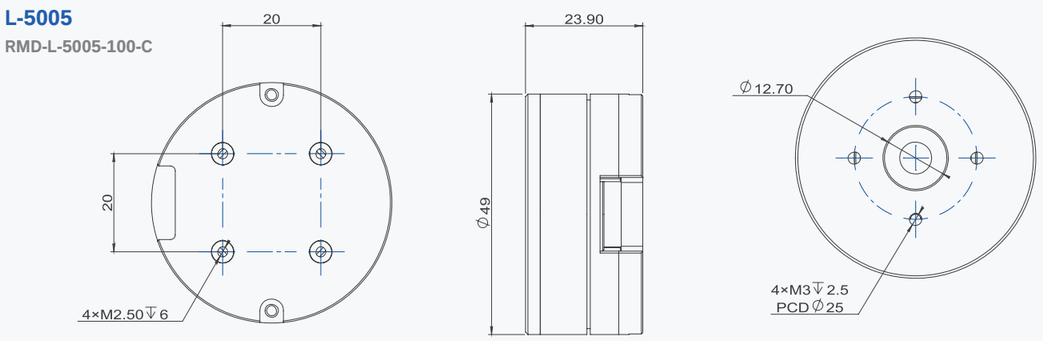
L-4015

RMD-L-4015-100-C



L-5005

RMD-L-5005-100-C



L Series Direct Drive Actuator

Hollow Design / CAN BUS / RS485 **RMD-L**



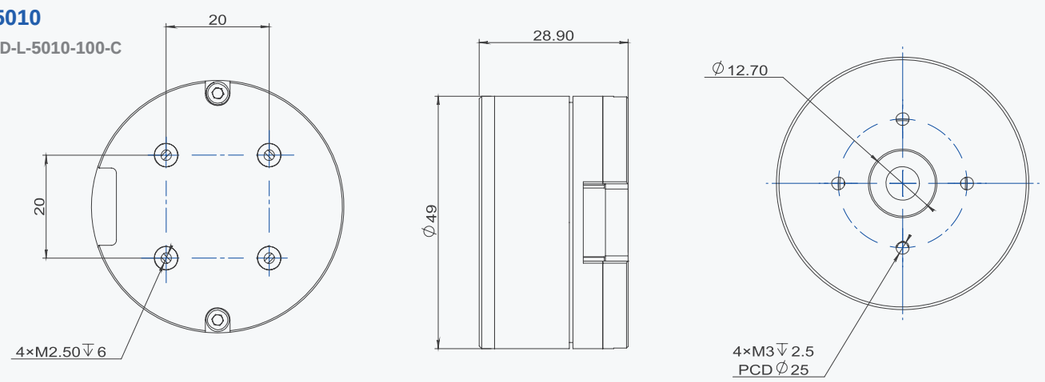
Product Parameters

Parameters	Unit	L-3108	L-4005	L-4010	L-4015	L-5005	L-5010	L-5015	L-7015	L-7025
Rated Voltage	V	24	24	24	24	24	24	24	24	24
Rated Current	A	0.94	1.44	1.43	1.88	1.67	1.65	1.57	3.62	3
Rated Torque	N.M	0.04	0.07	0.15	0.22	0.13	0.26	0.36	1	1.6
Rated Speed	RPM	2400	1600	560	520	1360	600	350	580	280
No Load Speed	RPM	3450	2390	1120	1010	1970	1015	680	805	510
Peak Torque	N.M	0.1	0.25	0.33	0.49	0.42	0.65	0.82	3.8	4.1
Peak Current	A	1.92	5.8	3.2	4.3	5	4.8	3.62	15	8.5
Torque Constant	N.M/A	0.052	0.05	0.1	0.12	0.08	0.16	0.23	0.28	0.53
Inertia	gcm²	36.5	56	81	105	136	202	268	933	1040
Number of Pole Pairs	-	7	13	13	13	14	14	14	14	14
Weight	Kg	0.059	0.065	0.092	0.12	0.092	0.135	0.174	0.36	0.54
Control Accuracy	Drgee	0.001°								

Installation Drawing

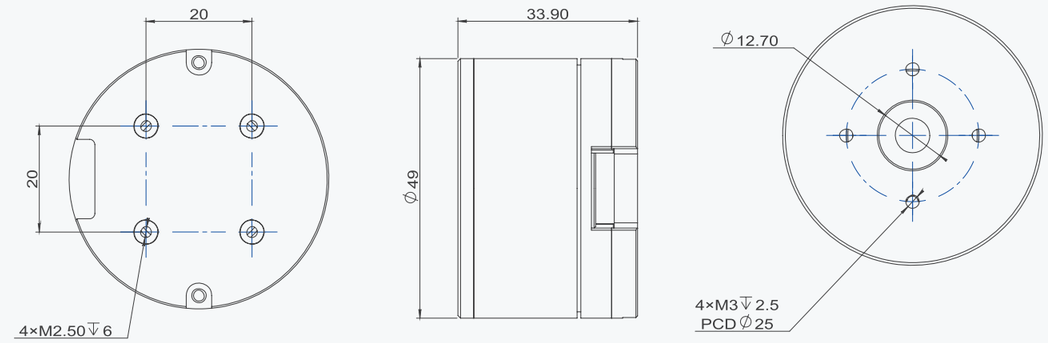
L-5010

RMD-L-5010-100-C



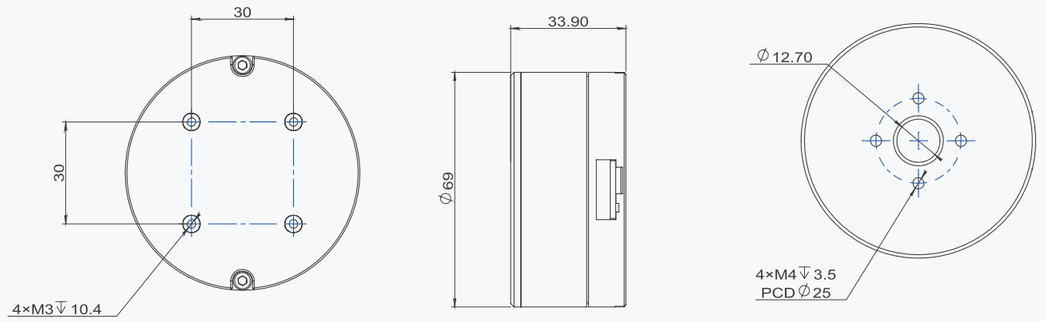
L-5015

RMD-L-5015-100-C



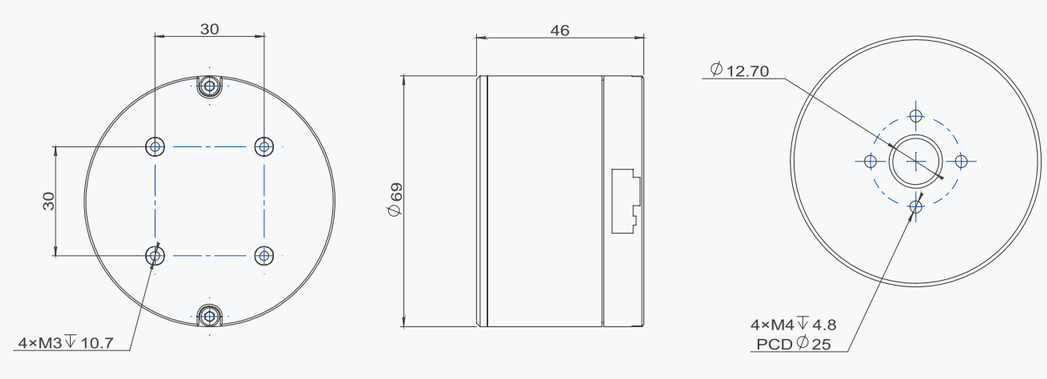
L-7015

RMD-L-7015-200-C



L-7025

RMD-L-7025-200-C



FL Series Frameless Torque Motor

Hollow Design / High Precision / High Power Density **RMD-FL**

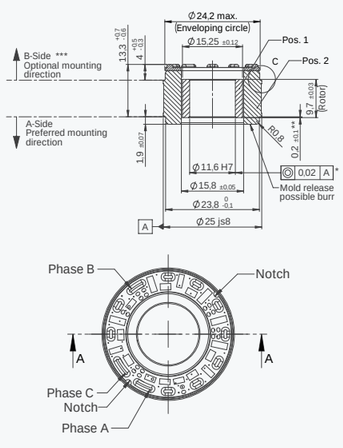


Product Parameters

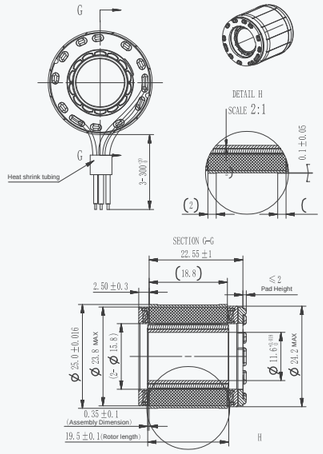
Parameters	Unit	FL-25-08	FL-25-18	FL-38-08	FL-38-12	FL-50-08	FL-50-15	FL-70-10	FL-70-16	FL-85-13	FL-85-23
Input voltage	V	24	24	48	48	48	48	48	48	48	48
Rated speed	RPM	6289	4000	9000	9970	5200	3800	3500	3000	2400	3500
Rated torque	N.m	0.063	0.15	0.1	0.23	0.3	0.51	0.55	1.3	1.3	2
Rated power	W	89	95.5	94	240	163	203	201	408	408	733
Rated current	A	4.3	4.2	2.75	6.1 (REF)	3.9	4.3	4.4	9.2	9.4	14.5
Peak torque	N.m	0.204	0.45	0.32	0.47 (REF)	0.96	1.5	1.65	2.6	3.9	6
Torque constant	N.m/A	14.7	0.035	0.04	0.04	0.08	0.12	0.12	0.14	0.14	0.14
Encoder type	—	-	—	Absolute	Absolute	Hall+INC	Hall+INC	Hall+INC	Hall+INC	Hall+INC	Absolute
Weight	kg	0.025	0.04	0.05	0.10	0.12	0.16	0.25	0.32	0.46	0.61

Installation Drawing

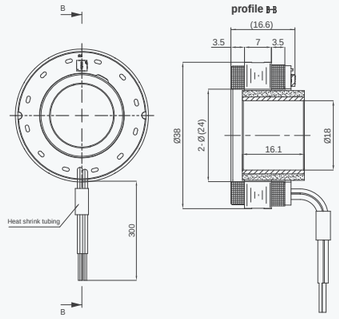
FL-25-08
RMD-FL-25-08-100



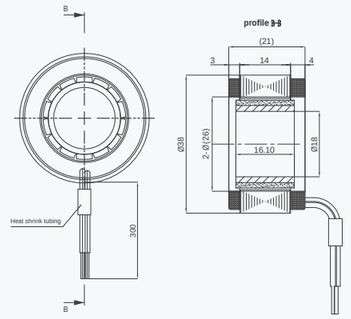
FL-25-18
RMD-FL-25-18-100



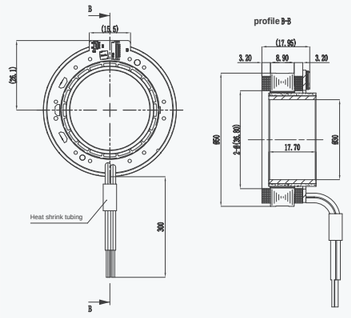
FL-38-08
RMD-FL-38-08-100



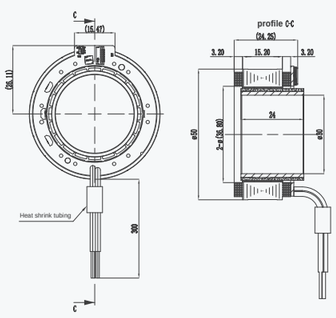
FL-38-12
RMD-FL-38-12-240



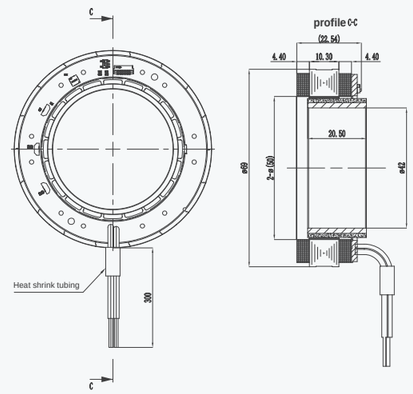
FL-50-08
RMD-FL-50-08-180



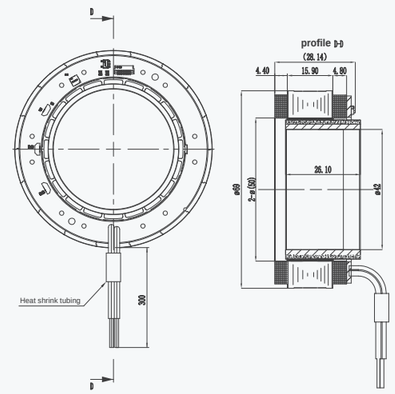
FL-50-15
RMD-FL-50-15-200



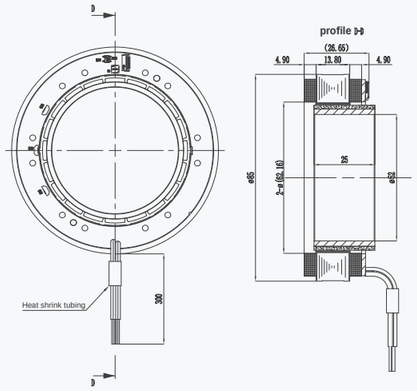
FL-70-10
RMD-FL-70-10-250



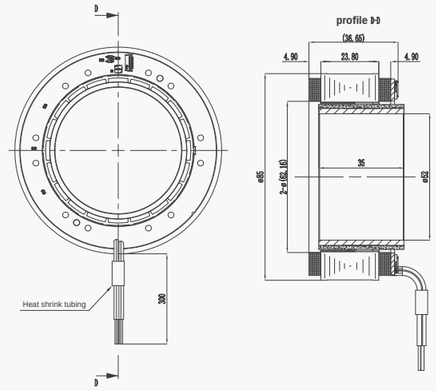
FL-70-16
RMD-FL-70-16-360



FL-85-13
RMD-FL-85-13-500



FL-85-23
RMD-FL-85-23-750



FLO Series Frameless Torque Motor

Hollow Design / High Precision / High Power Density **RMD-FLO**



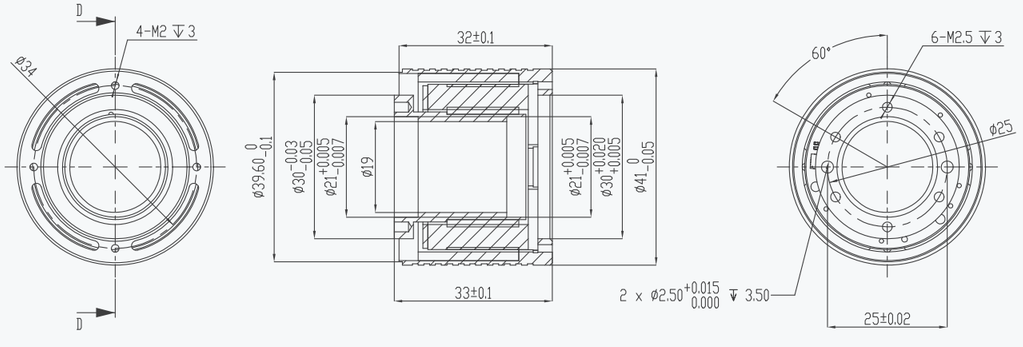
Product Parameters

Parameters	Unit	FLO-40-15	FLO-50-15	FLO-70-15	FLO-90-15
Input voltage	V	24	24	48	48
Rated speed	RPM	3000	2500	2400	1600
Rated torque	N.m	0.15	0.35	0.8	1.5
Rated power	W	47	91.6	200	252
Rated current	A	5.1	4.9	4.4	6.6
Peak torque	N.m	0.3	0.87	2	3.75
Torque constant	N.m/A	0.03	0.07	0.18	0.23
Encoder type	–	Absolute (Multi-pole)	Absolute (Multi-pole)	Absolute (Multi-pole)	Absolute (Multi-pole)
Weight	kg	0.13	0.19	0.33	0.46

Installation Drawing

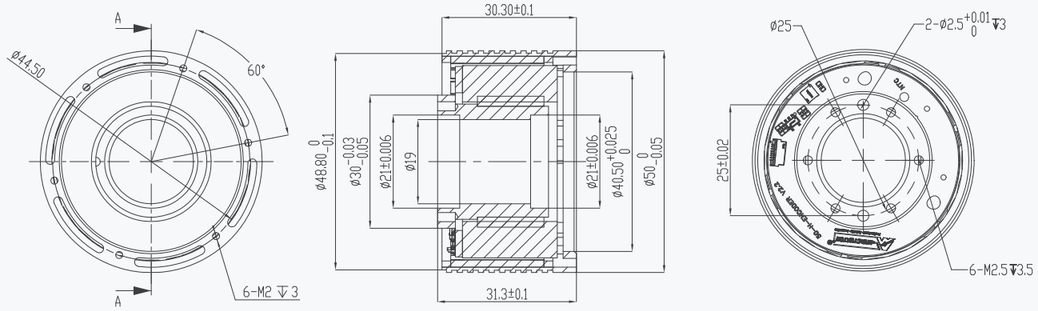
FLO-40-15

RMD-FLO-40-15-50



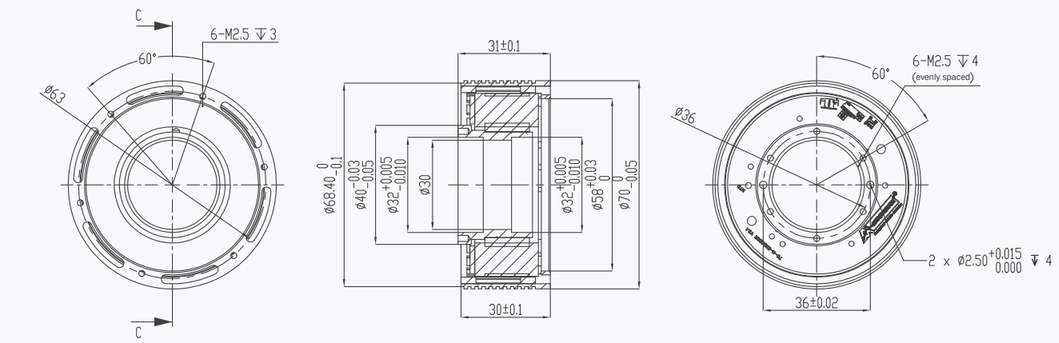
FLO-50-15

RMD-FLO-50-15-100



FLO-70-15

RMD-FLO-70-15-200



FLO-90-15

RMD-FLO-90-15-400

