A2V MECATRONIQUE

ALL IN ONE CUSTOMIZABLE PANCAKE BRUSHLESS SERVOMOTOR

RMD-X SERIES

HIGH INTEGRATION PLANETARY SERVOMOTORS

V1.2.2

RMD-X V3 series and RMD-X Bionic series
Both support a second encoder

- The first encoder records the multiturn position, and the second encoder records the output shaft position.
- RMD-X planetary series, with high speed, high dynamic response and high torque density, is suitable for the needs of bionic robots with high sensitivity.
- Multiple protections such as over-current protection, over-temperature protection, and over-voltage protection make the product safer and more secure.

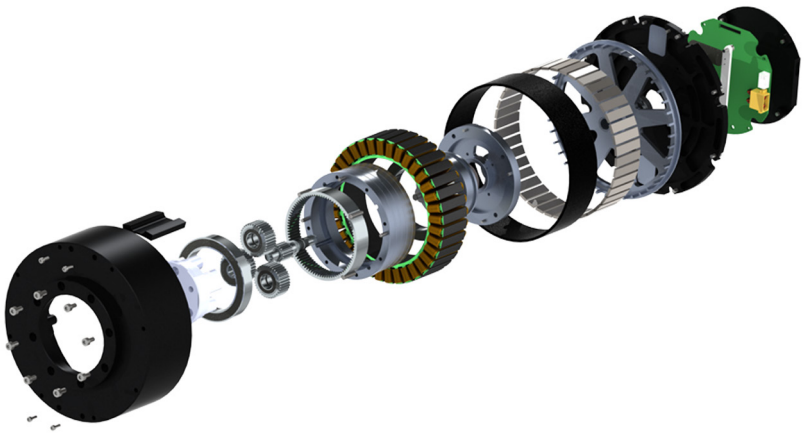
Maximize the performance of your applications while saving space.

Exploration Robot

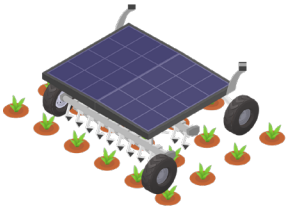
Robotic Arm

AGV

Quadruped Robot



Agricultural Robot



Drone

Exoskeleton Robot

Medical Robot

PRODUCT NAME RULES

RMD-X4-P6-3-C-B

① ② ③ ④ ⑤ ⑥

① Brand Name R-Reducer M-Motor D-drive
② X Stands For The Series Name, 4 represent motor model number e.g : X4 X6 X8 X10 etc
③ Planetary gear ration e.g : P6 P7 P8 etc
④ Peak torque 3N.m
⑤ Communication C : CAN bus R : RS485 E : EtherCAT
⑥ Customizable Brakes : N : No Brake B : Brake

Series Name
RMD-X V2

Previous Name
RMD-X4 1:6 V2

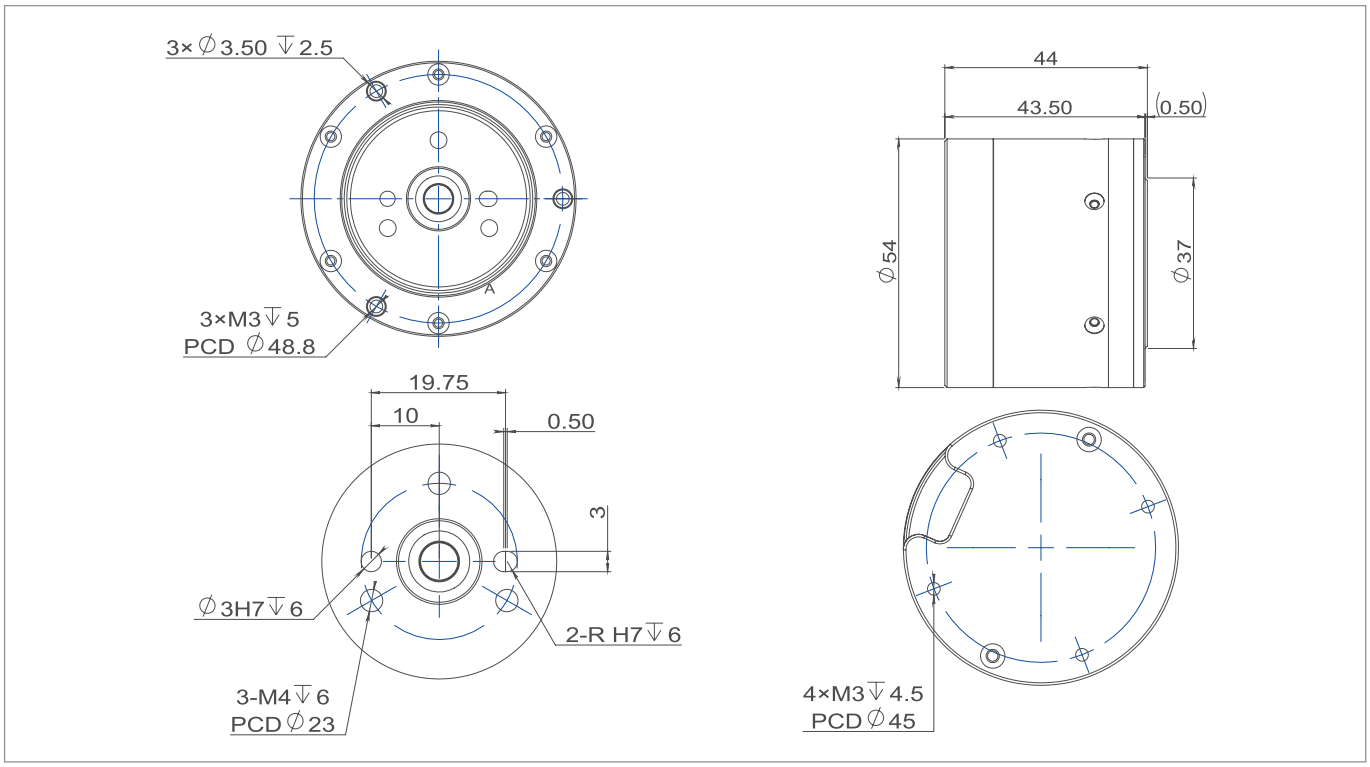
Motor simplified Name
X4-3

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X4-P6-3-R-N	1102010060230100	N (without brake)
RMD-X4-P6-3-C-N	1102010060130100	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

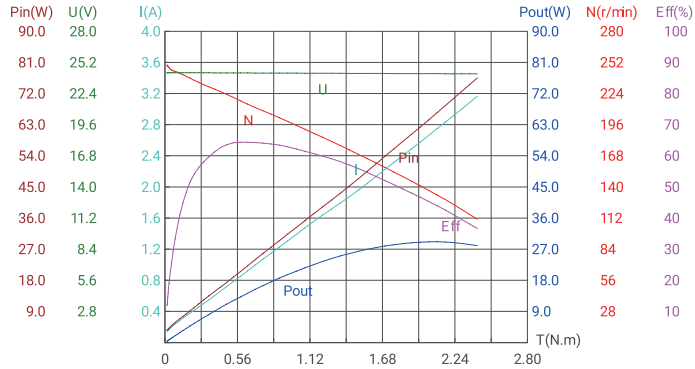


Product Parameters

Item Name		Units	X4-3
Reducer Type		-	Planetary Reducer
Gear Ratio		-	6:1
Input Voltage		V	24
Rated Power		W	30
Rated Torque		N.m	1,5
Rated Speed		RPM	200
Rated Current		A	2
Peak Torque		N.m	3
Peak Current		A	4
Efficiency		%	60
Input Encoder		-	16 bit
Output Encoder		-	/
Communication Method & Baudrate		-	CAN : 1M RS485 : 115200 / 500K / 1M / 2.5M
Axial Payload		N	300
Radial Payload		N	550
Inertia		$Kg.cm^2$	1,2
Pole Pair		-	14
Back Drive Torque		N.m	0,06
Backlash		arc min	10
Weight	N (without brake)	g	300
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.017	250	0.44	24.28	0.151	3.66	11.9
(Max_Eff)	0.583	217	13.22	24.26	0.852	20.54	64.4
(Max_Pout)	2.102	133	29.16	24.19	2.748	66.47	44.0
(Max_Torque)	2.413	111	28.05	24.18	3.166	76.56	36.6
(The End)	2.413	111	28.05	24.18	3.166	76.56	36.6

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0.017	250	0.44	24.28	0.151	3.66	11.9
0.018	249	0.46	24.28	0.152	3.70	12.5
0.021	249	0.56	24.28	0.157	3.80	14.6
0.027	248	0.71	24.28	0.165	4.00	17.6
0.036	247	0.92	24.28	0.179	4.36	20.8
0.052	245	1.32	24.28	0.203	4.94	25.9
0.078	244	1.99	24.28	0.238	5.79	33.3
0.116	242	2.93	24.28	0.286	6.94	41.1
0.165	240	4.12	24.28	0.347	8.34	48.4
0.226	236	5.56	24.27	0.416	10.14	54.1
0.298	232	7.22	24.27	0.501	12.34	58.0
0.382	228	9.10	24.27	0.604	14.76	61.3
0.478	223	11.12	24.26	0.720	17.44	63.6
0.583	217	13.22	24.26	0.852	20.54	64.4
0.698	211	15.39	24.25	0.997	23.98	64.2
0.820	206	17.58	24.25	1.150	27.59	63.8
0.948	199	19.68	24.24	1.308	31.36	62.9
1.081	192	21.64	24.24	1.474	35.29	61.5
1.217	185	23.46	24.23	1.638	39.24	59.9
1.355	177	25.06	24.22	1.795	43.21	58.1
1.493	169	26.40	24.22	1.958	47.37	55.9
1.631	162	27.49	24.21	2.135	51.70	53.4
1.768	153	28.32	24.20	2.314	56.02	50.7
1.903	145	28.85	24.20	2.488	60.21	48.1
2.037	137	29.12	24.19	2.661	64.39	45.4
2.166	129	29.09	24.19	2.833	68.54	42.6
2.291	120	28.67	24.18	3.001	72.57	39.6
2.413	111	28.05	24.18	3.166	76.56	36.6

FGHI :

Series Name
RMD-X V2

Previous Name
RMD-X6 1:6 V2

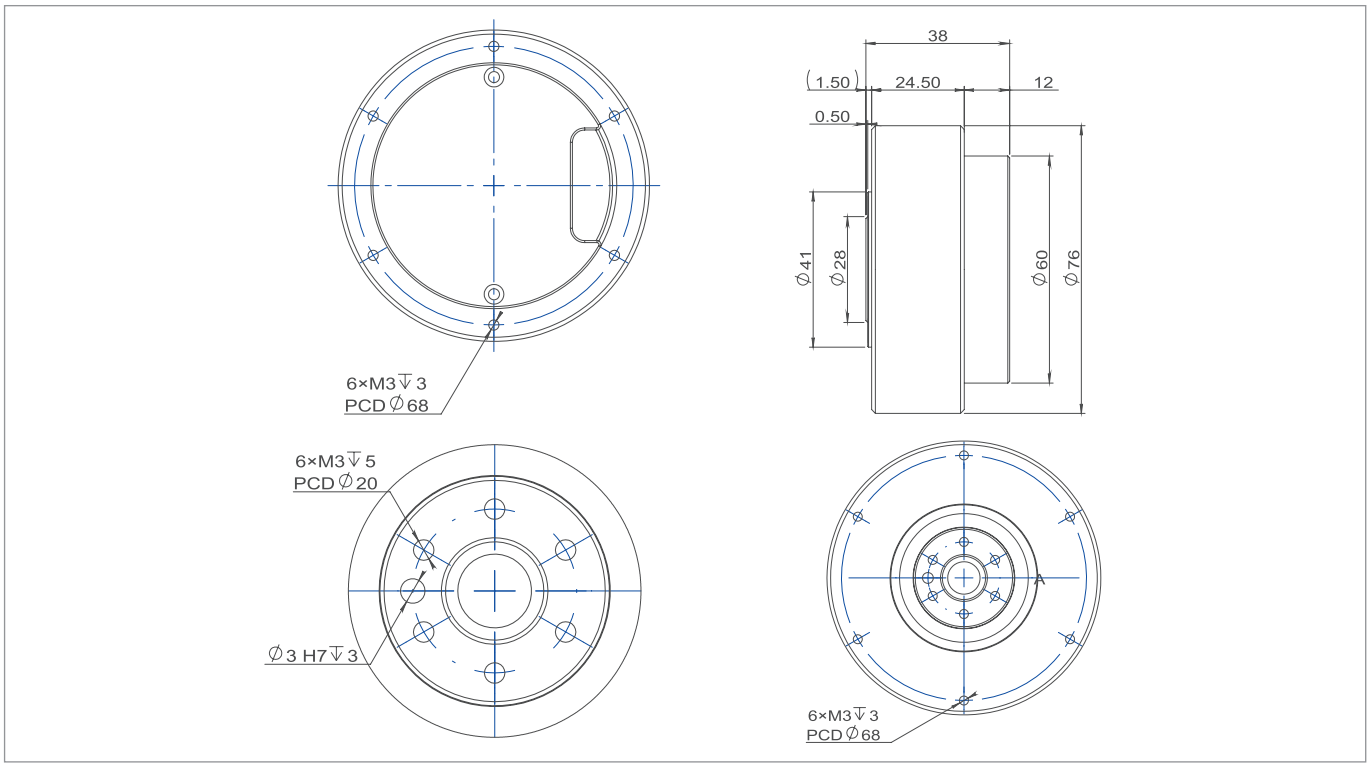
Motor simplified Name
X6-7

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X6-P6-7-R-N	1102150060230100	N (without brake)
RMD-X6-P6-7-C-N	1102150060130100	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

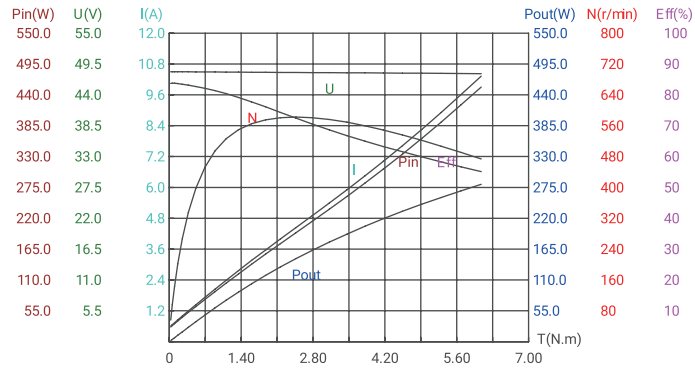


Product Parameters

Item Name		Units	X6-7
Reducer Type		-	Planetary Reducer
Gear Ratio		-	6:1
Input Voltage		V	48
Rated Power		W	150
Rated Torque		N.m	3,5
Rated Speed		RPM	400
Rated Current		A	4
Peak Torque		N.m	7
Peak Current		A	9
Efficiency		%	70
Input Encoder		-	16 bit
Output Encoder		-	/
Communication Method & Baudrate		-	CAN : 1M RS485 : 115200 / 500K / 1M / 2.5M
Axial Payload		N	775
Radial Payload		N	1250
Inertia		$Kg.cm^2$	4,8
Pole Pair		-	14
Back Drive Torque		N.m	0,08
Backlash		arc min	10
Weight	N (without brake)	g	350
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.028	670	1.96	48.13	0.578	27.82	7.0
(Max_Eff)	2.468	580	148.16	48.00	4.241	203.54	72.8
(Max_Pout)	6.076	441	280.59	47.79	9.907	473.47	59.3
(Max_Torque)	6.076	441	280.59	47.79	9.907	473.47	59.3
(The End)	6.076	441	280.59	47.79	9.907	473.47	59.3

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0.028	670	1.96	48.13	0.578	27.82	7.0
0.059	670	4.15	48.13	0.632	30.41	12.0
0.102	670	7.13	48.13	0.704	33.90	18.0
0.165	669	11.53	48.12	0.810	38.96	25.2
0.254	668	17.70	48.12	0.955	45.95	33.5
0.372	665	25.79	48.11	1.143	54.98	41.9
0.519	662	35.71	48.10	1.373	66.03	49.8
0.692	657	47.27	48.09	1.642	78.96	56.5
0.890	651	60.14	48.08	1.947	93.60	61.8
1.109	643	73.99	48.07	2.281	109.66	65.8
1.348	634	88.48	48.06	2.640	126.85	68.7
1.604	622	103.32	48.04	3.016	144.91	70.7
1.876	609	118.29	48.03	3.409	163.71	71.9
2.164	595	133.27	48.01	3.816	183.21	72.6
2.468	580	148.16	48.00	4.241	203.54	72.8
2.786	564	162.94	47.98	4.686	224.84	72.6
3.118	549	177.55	47.96	5.156	247.28	72.0
3.461	534	191.92	47.94	5.651	270.94	71.2
3.814	520	205.94	47.92	6.172	295.80	70.0
4.174	506	219.50	47.90	6.719	321.87	68.6
4.541	493	232.54	47.88	7.294	349.25	67.0
4.916	479	245.06	47.86	7.901	378.14	65.3
5.297	466	257.15	47.84	8.543	408.66	63.4
5.685	454	268.94	47.81	9.216	440.63	61.3
6.076	441	280.59	47.79	9.907	473.47	59.3

FGHI :

Series Name
RMD-X V2

Previous Name
RMD-X6 S2 1:36 V2

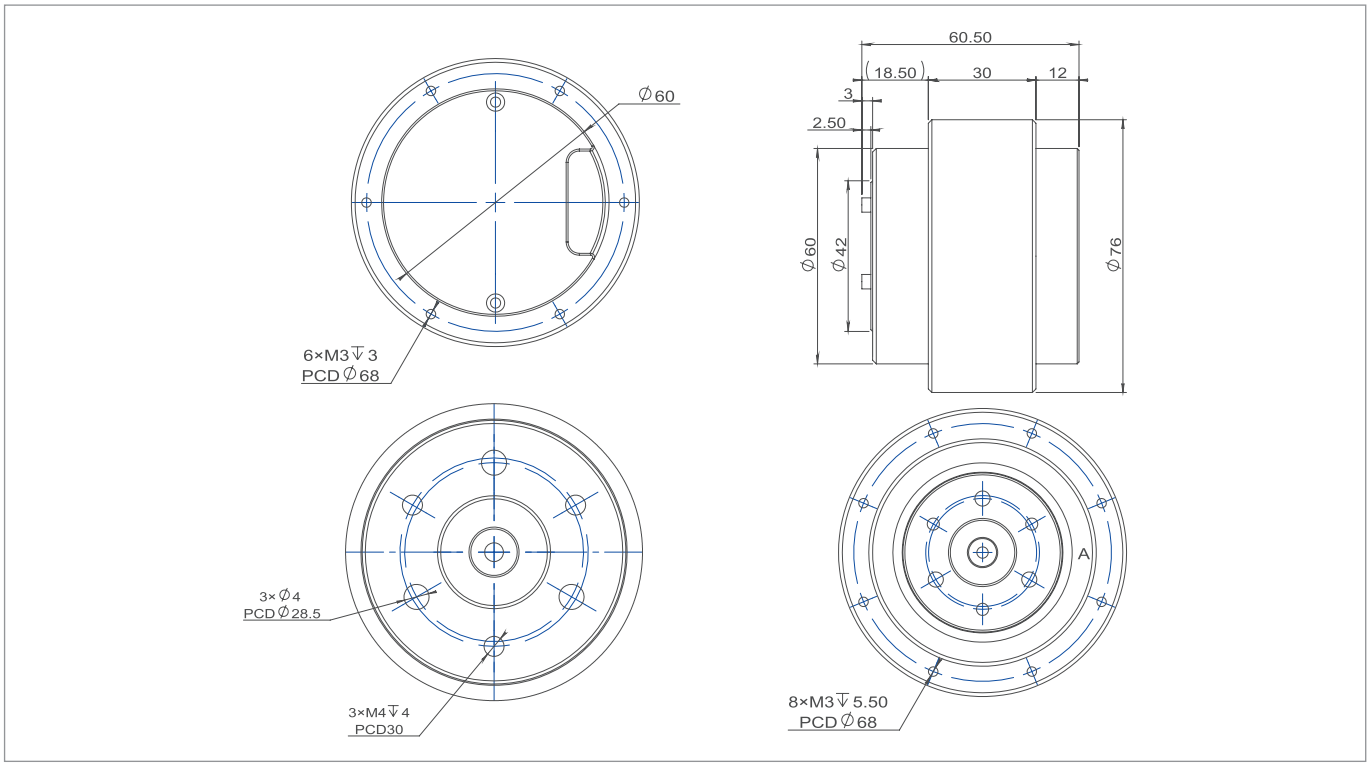
Motor simplified Name
X6-40

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X6-P36-40-R-N	1102050360230100	N (without brake)
RMD-X6-P36-40-C-N	1102050360130100	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing



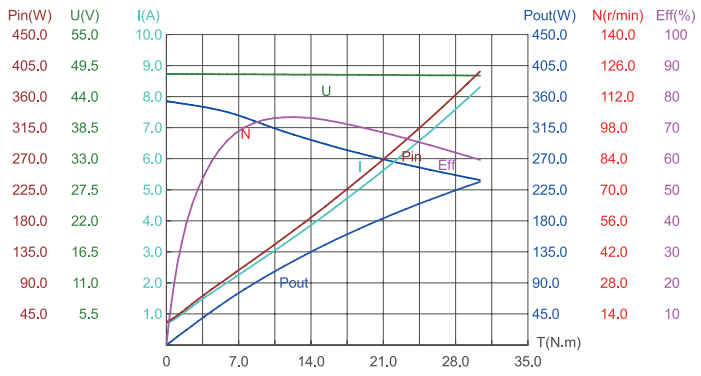
*Subject to change without prior notice

Product Parameters

Item Name		Units	X6-40
Reducer Type		-	Planetary Reducer
Gear Ratio		-	36:1
Input Voltage		V	48
Rated Power		W	170
Rated Torque		N.m	18
Rated Speed		RPM	90
Rated Current		A	5,2
Peak Torque		N.m	40
Peak Current		A	10,5
Efficiency		%	70
Input Encoder		-	16 bit
Output Encoder		-	/
Communication Method & Baudrate		-	CAN : 1M RS485 : 115200 / 500K / 1M / 2.5M
Axial Payload		N	775
Radial Payload		N	1250
Inertia		$Kg.cm^2$	28,8
Pole Pair		-	14
Back Drive Torque		N.m	0,91
Backlash		arc min	15
Weight	N (without brake)	g	590
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.01	109.9	0.13	48.02	0.691	33.19	0.4
(Max_Eff)	12.34	94.8	122.03	47.92	3.469	166.22	73.4
(Max_Pout)	30.37	74.4	236.63	47.74	8.308	396.67	59.7
(Max_Torque)	30.37	74.4	236.63	47.74	8.308	396.67	59.7
(The End)	30.37	74.4	236.63	47.74	8.308	396.67	59.7

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0,01	109,9	0,13	48,02	0,691	33,19	0,4
0,06	109,9	0,69	48,02	0,699	33,57	2,0
0,14	109,8	1,57	48,02	0,712	34,18	4,3
0,26	109,8	3,02	48,02	0,733	35,23	7,9
0,46	109,6	5,23	48,02	0,769	36,94	12,9
0,73	109,4	8,29	48,02	0,822	39,49	19,2
1,07	109,2	12,21	48,01	0,896	43,05	26,1
1,49	108,9	16,89	48,01	0,993	47,67	33,0
1,96	108,6	22,21	48,01	1,110	53,27	39,5
2,48	108,2	28,06	48,00	1,241	59,57	45,2
3,06	107,8	34,41	48,00	1,381	66,30	50,3
3,68	107,3	41,24	47,99	1,527	73,29	54,9
4,36	106,7	48,56	47,99	1,679	80,59	59,1
5,09	106,0	56,30	47,98	1,841	88,34	62,7
5,88	105,1	64,38	47,97	2,015	96,66	65,8
6,71	103,9	72,66	47,97	2,199	105,51	68,3
7,58	102,6	81,02	47,96	2,393	114,79	70,1
8,49	101,1	89,36	47,95	2,594	124,42	71,5
9,42	99,5	97,64	47,95	2,803	134,39	72,5
10,38	97,9	105,84	47,94	3,018	144,69	73,1
11,35	96,3	113,97	47,93	3,240	155,30	73,4
12,34	94,8	122,03	47,92	3,469	166,22	73,4
13,35	93,4	130,00	47,91	3,704	177,48	73,3
14,37	92,0	137,86	47,90	3,948	189,12	73,0
15,40	90,6	145,62	47,89	4,201	201,21	72,5
16,46	89,2	153,29	47,88	4,464	213,73	71,9
17,54	87,9	160,86	47,87	4,735	226,66	71,1
18,64	86,5	168,35	47,86	5,013	239,93	70,3
19,75	85,2	175,72	47,85	5,299	253,55	69,5
20,88	83,9	182,97	47,84	5,592	267,55	68,6
22,02	82,7	190,08	47,83	5,896	281,99	67,6
23,17	81,4	197,06	47,82	6,209	296,91	66,6
24,33	80,2	203,93	47,81	6,533	312,35	65,5
25,51	79,0	210,68	47,79	6,869	328,30	64,4
30,37	74,4	236,63	47,74	8,308	396,67	59,7

FGHI :

Series Name
RMD-X V2

Previous Name
RMD-X8 PRO 1:9 V2

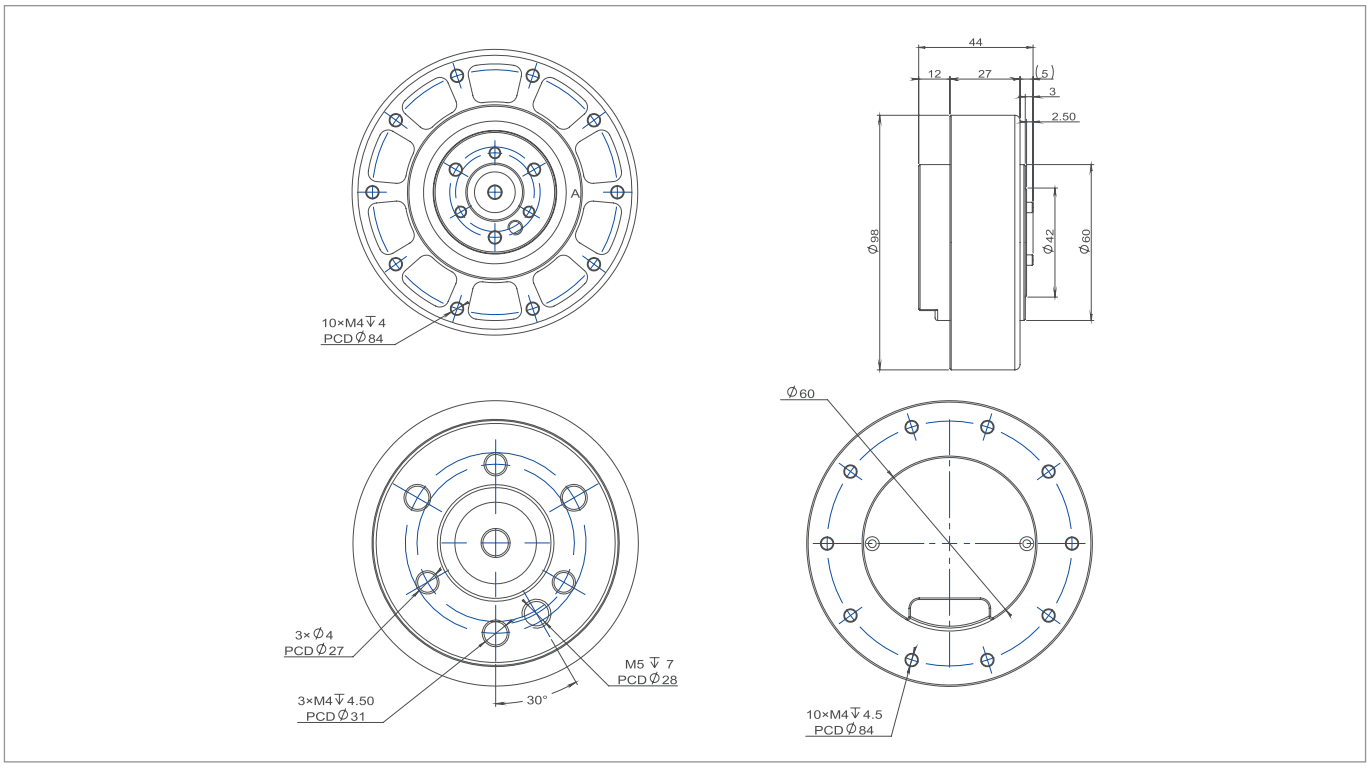
Motor simplified Name
X8-25

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X8-P9-25-R-N	1102030090230100	N (without brake)
RMD-X8-P9-25-C-N	1102030090130100	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

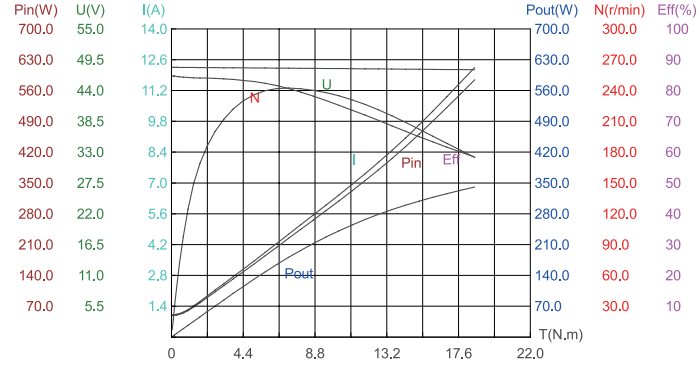


Product Parameters

Item Name		Units	X8-25
Reducer Type		-	Planetary Reducer
Gear Ratio		-	9:1
Input Voltage		V	48
Rated Power		W	125
Rated Torque		N.m	10
Rated Speed		RPM	110
Rated Current		A	3,2
Peak Torque		N.m	25
Peak Current		A	8
Efficiency		%	80
Input Encoder		-	16 bit
Output Encoder		-	/
Communication Method & Baudrate		-	CAN : 1M RS485 : 115200 / 500K / 1M / 2.5M
Axial Payload		N	985
Radial Payload		N	1250
Inertia		$Kg.cm^2$	30,6
Pole Pair		-	21
Back Drive Torque		N.m	0,61
Backlash		arc min	10
Weight	N (without brake)	g	710
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.04	254.3	1.16	48.14	1.011	48.71	2.4
(Max_Eff)	7.19	242.0	181.30	47.99	4.676	224.36	80.8
(Max_Pout)	18.59	175.1	340.97	47.71	12.252	584.62	58.3
(Max_Torque)	18.59	175.1	340.97	47.71	12.252	584.62	58.3
(The End)	18.59	175.1	340.97	47.71	12.252	584.62	58.3

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0.04	254.3	1.16	48.14	1.011	48.71	2.4
0.10	254.2	2.76	48.14	1.013	48.82	5.6
0.19	254.0	4.95	48.14	1.020	49.11	9.9
0.31	253.8	8.20	48.14	1.035	49.84	15.9
0.48	253.5	12.84	48.14	1.069	51.48	23.7
0.72	253.1	19.00	48.13	1.136	54.68	32.6
1.01	252.7	26.66	48.12	1.248	60.06	41.5
1.35	252.4	35.74	48.11	1.411	67.92	49.6
1.75	252.3	46.14	48.11	1.622	78.02	56.4
2.19	252.2	57.75	48.10	1.867	89.82	62.0
2.68	251.9	70.52	48.09	2.139	102.84	66.7
3.21	251.5	84.41	48.07	2.432	116.91	70.7
3.79	250.8	99.36	48.06	2.748	132.10	74.0
4.41	249.9	115.21	48.05	3.091	148.53	76.7
5.07	248.7	131.68	48.03	3.460	166.18	78.7
5.75	247.1	148.39	48.02	3.850	184.88	80.0
6.46	244.9	165.02	48.00	4.257	204.34	80.6
7.19	242.0	181.30	47.99	4.676	224.36	80.8
7.93	238.6	197.12	47.97	5.104	244.83	80.6
8.69	234.6	212.41	47.96	5.542	265.77	80.1
9.47	230.3	227.16	47.94	5.992	287.23	79.3
10.26	225.7	241.28	47.92	6.455	309.32	78.3
11.07	220.9	254.67	47.90	6.933	332.10	77.0
11.88	216.0	267.22	47.89	7.427	355.66	75.5
12.69	210.9	278.86	47.87	7.941	380.13	73.8
13.52	205.7	289.59	47.85	8.480	405.72	71.8
14.35	200.4	299.53	47.83	9.046	432.63	69.7
15.19	195.1	308.80	47.80	9.643	460.94	67.5
16.03	190.0	317.52	47.78	10.267	490.56	65.2
16.88	185.0	325.71	47.76	10.915	521.26	62.9
17.73	180.1	333.47	47.73	11.579	552.73	60.6
18.59	175.1	340.97	47.71	12.252	584.62	58.3

FGHI :

Series Name
RMD-X V3

Previous Name
RMD-X6 1:8 V3

Motor simplified Name

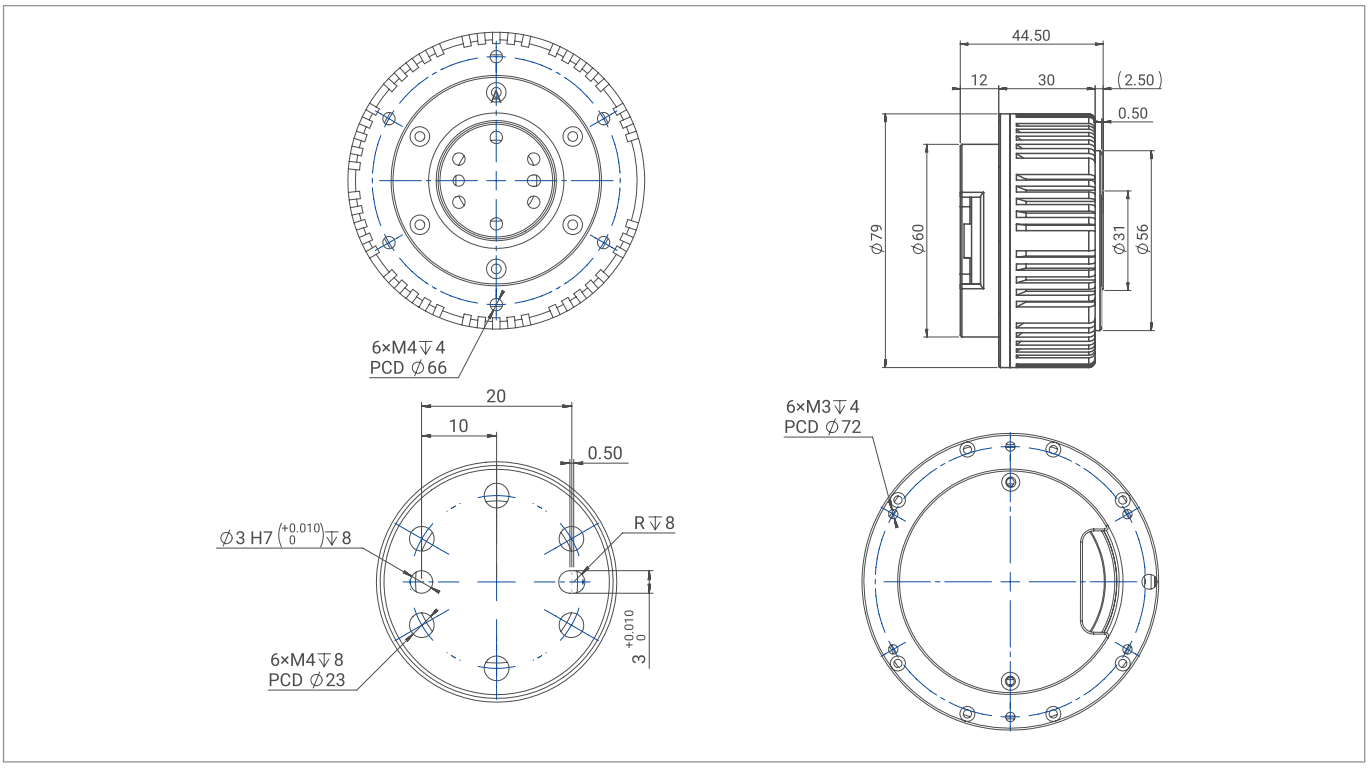
X6-8

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X6-P8-8-R-N	1102020080230200	N (without brake)
RMD-X6-P8-8-C-N	1102020080130200	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

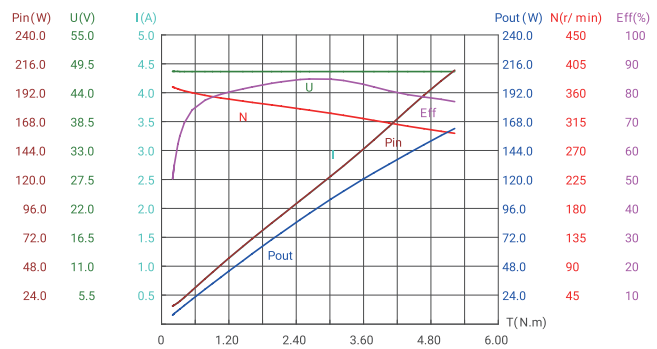


Product Parameters

Item Name		Units	X6-8
Reducer Type		-	Planetary Reducer
Gear Ratio		-	8:1
Input Voltage		V	48
Rated Power		W	135
Rated Torque		N.m	4,5
Rated Speed		RPM	310
Rated Current		A	3,6
Peak Torque		N.m	8
Peak Current		A	7,2
Efficiency		%	78
Input Encoder		-	16 bit
Output Encoder		-	14 bit
Communication Method & Baudrate		-	CAN : 1M RS485 : 115200 / 500K / 1M / 2.5M
Axial Payload		N	775
Radial Payload		N	1040
Inertia		$Kg.cm^2$	6,8
Pole Pair		-	14
Back Drive Torque		N.m	0,1
Backlash		arc min	10
Weight	N (without brake)	g	490
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.227	368	8.73	48.05	0.329	15.80	54.9
(Max_Eff)	2.634	333	91.90	48.03	2.260	108.57	84.8
(Max_Pout)	5.223	297	162.39	48.02	4.386	210.62	77.0
(Max_Torque)	5.223	297	162.39	48.02	4.386	210.62	77.0
(The End)	5.223	297	162.39	48.02	4.386	210.62	77.0
(The Rated)	5.223	297	162.39	48.02	4.386	210.62	77.1

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0.227	368	8.73	48.05	0.329	15.80	54.9
0.196	369	7.54	48.05	0.313	15.04	50.3
0.227	368	8.73	48.05	0.329	15.80	54.9
0.292	366	11.21	48.05	0.371	17.83	62.2
0.327	365	12.53	48.05	0.397	19.10	65.1
0.405	363	15.43	48.04	0.461	22.15	69.6
0.544	360	20.54	48.04	0.581	27.92	74.0
0.775	356	28.87	48.04	0.782	37.57	77.4
0.908	354	33.65	48.04	0.896	43.07	78.5
1.053	352	38.78	48.04	1.018	48.91	79.5
1.206	350	44.18	48.04	1.145	55.02	80.3
1.450	347	52.66	48.04	1.343	64.51	81.4
1.619	345	58.46	48.04	1.477	70.95	82.0
1.962	341	70.08	48.04	1.745	83.84	83.3
2.134	339	75.78	48.04	1.878	90.20	83.8
2.471	335	86.73	48.03	2.135	102.58	84.6
2.634	333	91.90	48.03	2.260	108.57	84.8
3.022	328	103.82	48.03	2.560	122.96	84.7
3.240	325	110.28	48.03	2.733	131.26	84.3
3.585	320	120.09	48.03	3.015	144.79	83.0
3.784	317	125.57	48.03	3.184	152.89	82.0
4.049	313	132.66	48.02	3.413	163.90	80.7
4.389	308	141.57	48.02	3.710	178.17	79.3
4.677	304	148.97	48.02	3.957	190.00	78.5
4.983	300	156.62	48.02	4.205	201.94	77.8
5.223	297	162.39	48.02	4.386	210.62	77.0

CDEF :

Series Name
RMD-X V3

Previous Name
RMD-X8-Pro-H 1:6 V3

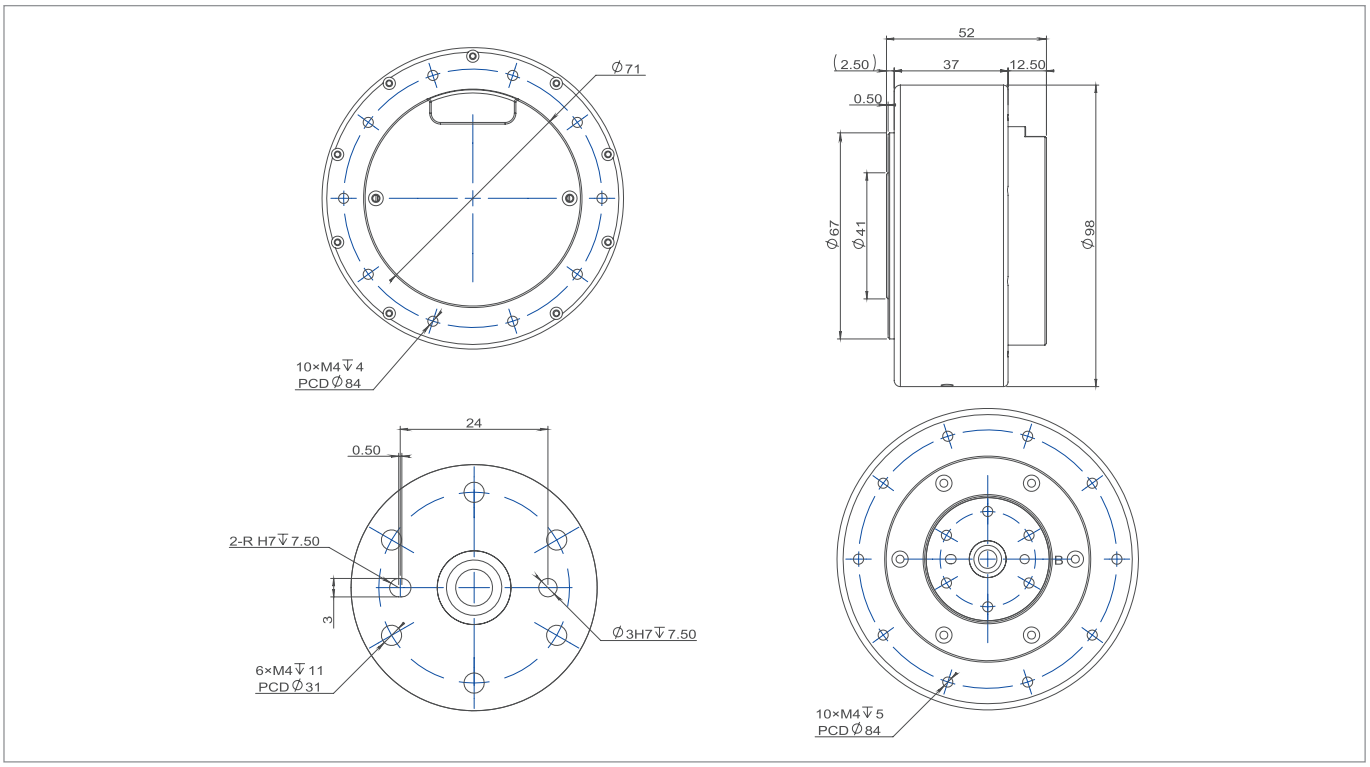
Motor simplified Name
X8-20

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X8-P6-20-R-N	1102140060230200	N (without brake)
RMD-X8-P6-20-C-N	1102140060130200	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

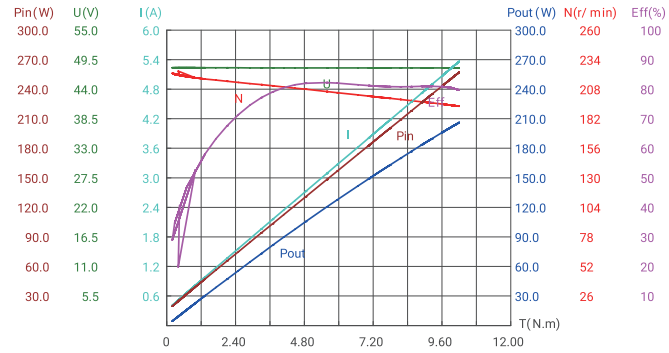


Product Parameters

Item Name		Units	X8-20
Reducer Type		-	Planetary Reducer
Gear Ratio		-	6:1
Input Voltage		V	48
Rated Power		W	200
Rated Torque		N.m	10
Rated Speed		RPM	190
Rated Current		A	5,2
Peak Torque		N.m	20
Peak Current		A	10,5
Efficiency		%	80
Input Encoder		-	16 bit
Output Encoder		-	14 bit
Communication Method & Baudrate		-	CAN : 1M RS485 : 115200 / 500K / 1M / 2.5M
Axial Payload		N	985
Radial Payload		N	1250
Inertia		$Kg.cm^2$	20
Pole Pair		-	20
Back Drive Torque		N.m	0,4
Backlash		arc min	10
Weight	N (without brake)	g	780
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.450	220	10.49	47.99	0.543	26.05	40.8
(Max_Eff)	5.584	206	120.57	47.98	3.090	148.25	82.2
(Max_Pout)	10.200	193	206.20	47.96	5.363	257.21	79.8
(Max_Torque)	10.200	193	206.20	47.96	5.363	257.21	79.8
(The End)	9.913	194	201.41	47.96	5.223	250.49	80.5
(The Rated)	9.913	194	201.41	47.96	5.223	250.49	80.4

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0.450	220	10.49	47.99	0.543	26.05	40.8
0.999	218	22.81	47.99	0.819	39.30	52.7
0.999	218	22.81	47.99	0.819	39.30	52.7
0.274	221	6.51	47.99	0.453	21.77	34.7
0.274	221	6.51	47.99	0.453	21.77	34.7
1.342	217	30.43	47.99	0.990	47.50	58.2
1.342	217	30.43	47.99	0.990	47.50	58.2
2.100	215	47.15	47.99	1.367	65.60	67.6
2.498	214	55.84	47.98	1.564	75.06	71.4
3.299	212	73.15	47.98	1.961	94.11	77.1
3.695	211	81.60	47.98	2.157	103.50	79.1
4.085	210	89.83	47.98	2.350	112.75	80.5
4.846	208	105.62	47.98	2.725	130.77	82.0
5.584	206	120.57	47.98	3.090	148.25	82.2
5.584	206	120.57	47.98	3.090	148.25	82.2
5.948	205	127.81	47.98	3.269	156.88	82.1
7.408	201	155.95	47.98	3.990	191.44	81.0
7.040	202	148.98	47.98	3.808	182.73	81.2
7.778	200	162.90	47.98	4.172	200.19	80.9
7.778	200	162.90	47.98	4.172	200.19	80.9
7.778	200	162.90	47.98	4.172	200.19	80.9
8.150	199	169.81	47.98	4.356	208.98	80.8
8.521	198	176.64	47.97	4.539	217.75	80.9
8.889	197	183.33	47.97	4.720	226.42	81.0
8.889	197	183.33	47.97	4.720	226.42	81.0
8.889	197	183.33	47.97	4.720	226.42	81.0
8.889	197	183.33	47.97	4.720	226.42	81.0
9.248	196	189.78	47.97	4.896	234.87	81.0
9.592	195	195.86	47.96	5.065	242.96	80.9
9.913	194	201.41	47.96	5.223	250.49	80.5
9.913	194	201.41	47.96	5.223	250.49	80.5
9.913	194	201.41	47.96	5.223	250.49	80.5
9.913	194	201.41	47.96	5.223	250.49	80.5
10.200	193	206.20	47.96	5.363	257.21	79.8
9.913	194	201.41	47.96	5.223	250.49	80.5

BCDE :

Series Name
RMD-X V3

Previous Name
RMD-X8 S2 1:36 V3

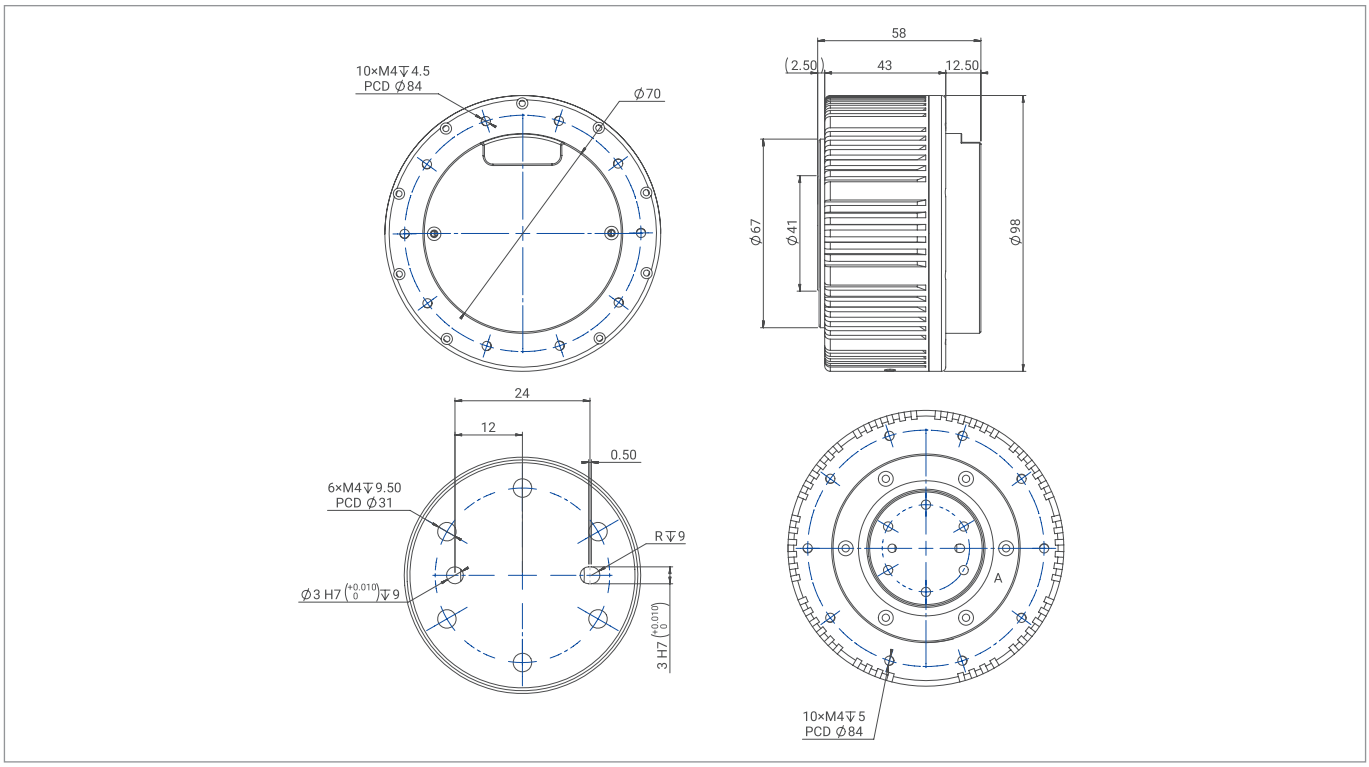
Motor simplified Name
X8-60

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X8-P36-60-R-N	1102060360230200	N (without brake)
RMD-X8-P36-60-C-N	1102060360130200	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

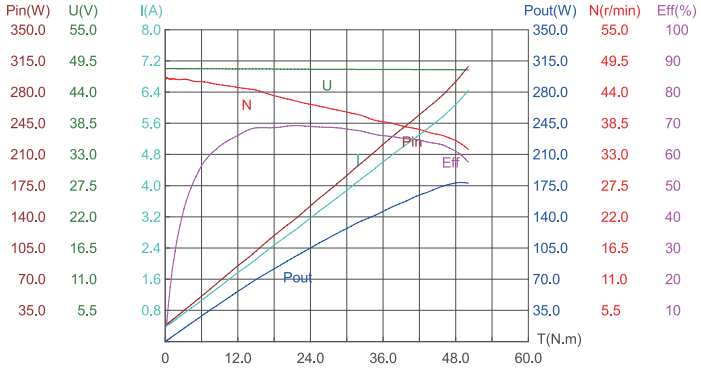


Product Parameters

Item Name		Units	X8-60
Reducer Type		-	Planetary Reducer
Gear Ratio		-	36:1
Input Voltage		V	48
Rated Power		W	130
Rated Torque		N.m	30
Rated Speed		RPM	40
Rated Current		A	4
Peak Torque		N.m	60
Peak Current		A	8
Efficiency		%	69
Input Encoder		-	16 bit
Output Encoder		-	14 bit
Communication Method & Baudrate		-	CAN : 1M RS485 : 115200 / 500K / 1M / 2.5M
Axial Payload		N	985
Radial Payload		N	1250
Inertia		$Kg.cm^2$	96
Pole Pair		-	20
Back Drive Torque		N.m	1
Backlash		arc min	15
Weight	N (without brake)	g	900
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.21	46.3	1.00	48.15	0.404	19.48	5.1
(Max_Eff)	21.36	42.5	95.01	48.06	2.852	137.07	69.3
(Max_Pout)	49.06	34.8	178.69	47.94	6.261	300.17	59.6
(Max_Torque)	50.07	33.9	177.77	47.94	6.441	308.77	57.6
(The End)	50.07	33.9	177.77	47.94	6.441	308.77	57.6

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0,21	46,3	1,00	48,15	0,404	19,48	5,1
0,29	46,5	1,39	48,15	0,415	20,01	6,9
0,54	46,4	2,60	48,15	0,439	21,13	12,1
0,99	46,3	4,82	48,15	0,484	23,34	20,2
1,63	46,3	7,91	48,14	0,556	26,78	29,1
2,47	46,2	11,93	48,14	0,653	31,44	37,4
3,48	46,3	16,84	48,13	0,769	37,03	45,1
4,67	45,9	22,47	48,13	0,905	43,55	51,3
6,01	45,8	28,85	48,12	1,058	50,93	56,4
7,45	45,6	35,58	48,12	1,229	59,15	60,0
8,97	45,3	42,55	48,11	1,410	67,84	62,6
10,56	45,1	49,84	48,11	1,600	76,98	64,7
12,21	44,8	57,26	48,10	1,793	86,25	66,3
13,88	44,6	64,77	48,09	1,978	95,15	68,0
15,56	44,2	71,99	48,08	2,181	104,90	68,6
17,28	43,6	78,85	48,08	2,391	114,99	68,6
19,02	43,1	85,77	48,07	2,594	124,69	68,8
20,77	42,7	92,75	48,06	2,786	133,92	69,3
22,52	42,2	99,44	48,05	2,989	143,66	69,2
24,26	41,8	106,17	48,05	3,204	153,97	69,0
26,02	41,4	112,80	48,04	3,414	164,00	68,8
27,77	41,0	119,20	48,03	3,616	173,68	68,6
29,52	40,6	125,51	48,02	3,825	183,69	68,3
31,27	40,2	131,58	48,02	4,041	194,05	67,8
33,00	39,7	137,07	48,01	4,246	203,87	67,3
34,71	39,0	141,85	48,00	4,450	213,64	66,4
36,42	38,7	147,65	48,00	4,662	223,80	66,0
38,13	38,3	153,01	47,99	4,863	233,39	65,6
39,81	37,9	157,83	47,99	5,054	242,55	65,1
41,48	37,6	163,13	47,98	5,245	251,67	64,8
43,14	37,0	167,30	47,98	5,441	261,04	64,1
44,79	36,6	171,73	47,97	5,635	270,29	63,5
46,41	36,1	175,60	47,96	5,849	280,54	62,6
48,02	35,4	178,12	47,95	6,091	292,10	61,0
50,07	33,9	177,77	47,94	6,441	308,77	57,6

Audit:

Series Name
RMD-X V3

Previous Name
RMD-X10 1:7 V3

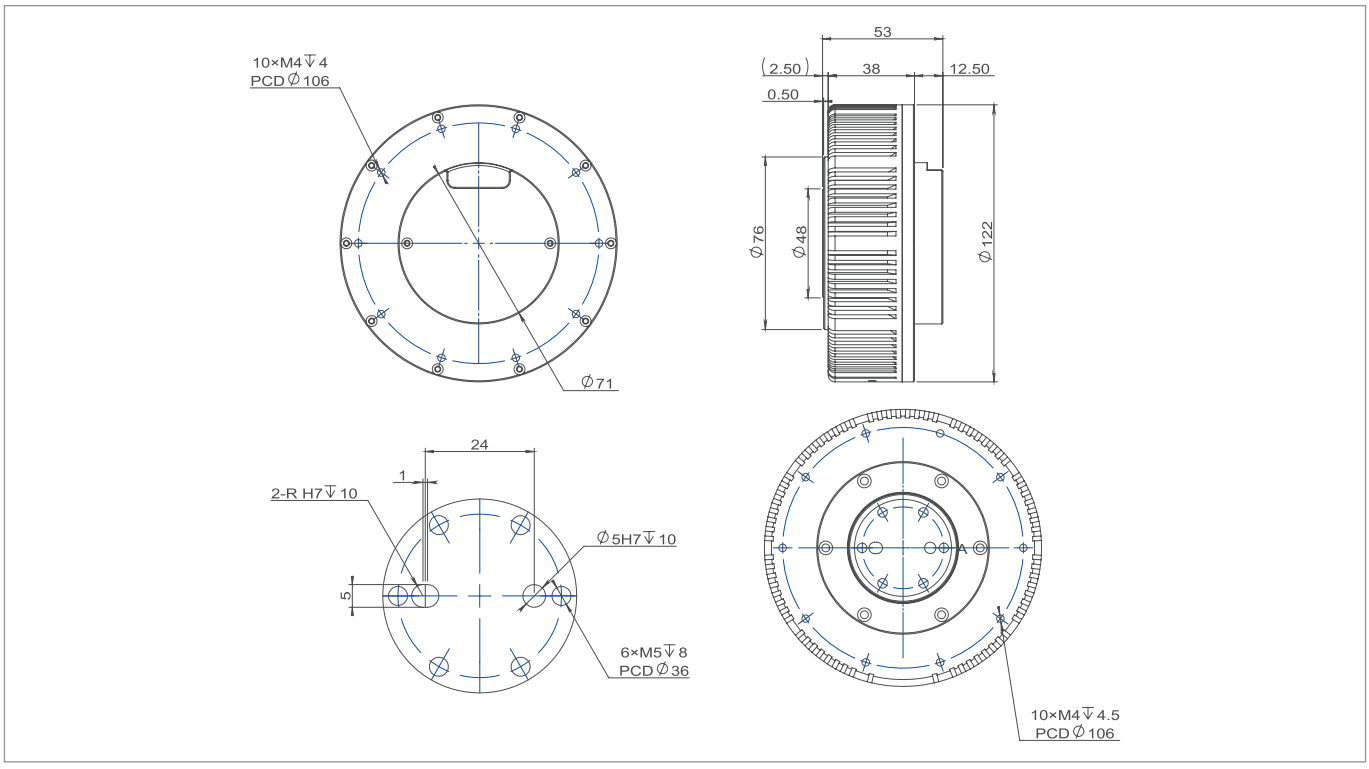
Motor simplified Name
X10-40

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X10-P7-40-R-N	1102040070230200	N (without brake)
RMD-X10-P7-40-C-N	1102040070130200	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

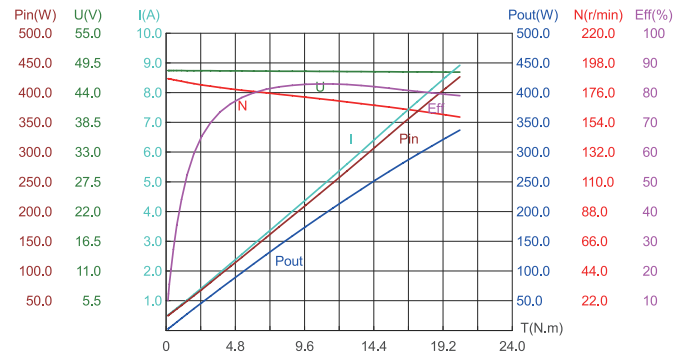


Product Parameters

Item Name		Units	X10-40
Reducer Type		-	Planetary Reducer
Gear Ratio		-	7:1
Input Voltage		V	48
Rated Power		W	265
Rated Torque		N.m	15
Rated Speed		RPM	165
Rated Current		A	6,5
Peak Torque		N.m	40
Peak Current		A	15
Efficiency		%	82
Input Encoder		-	16 bit
Output Encoder		-	14 bit
Communication Method & Baudrate		-	CAN : 1M RS485 : 115200 / 500K / 1M / 2.5M
Axial Payload		N	1625
Radial Payload		N	2250
Inertia		$Kg.cm^2$	39,7
Pole Pair		-	21
Back Drive Torque		N.m	0,62
Backlash		arc min	10
Weight	N (without brake)	g	1150
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.13	186.4	2.49	48.09	0.515	24.77	10.1
(Max_Eff)	10.63	171.5	190.59	47.94	4.792	229.78	83.0
(Max_Pout)	20.36	158.0	336.93	47.80	8.923	426.58	79.0
(Max_Torque)	20.36	158.0	336.93	47.80	8.923	426.58	79.0
(The End)	20.36	158.0	336.93	47.80	8.923	426.58	79.0

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0.13	186.4	2.49	48.09	0.515	24.77	10.1
0.17	186.3	3.25	48.09	0.530	25.51	12.3
0.23	186.2	4.45	48.09	0.555	26.71	15.6
0.34	186.0	6.52	48.09	0.598	28.77	20.5
0.50	185.6	9.77	48.09	0.664	31.92	27.3
0.75	185.1	14.40	48.08	0.756	36.35	35.5
1.06	184.4	20.46	48.08	0.877	42.17	44.1
1.46	183.6	27.96	48.07	1.030	49.52	52.4
1.93	182.7	36.79	48.07	1.216	58.45	59.5
2.47	181.8	46.87	48.06	1.434	68.92	65.4
3.08	180.8	58.08	48.05	1.680	80.74	69.9
3.74	179.8	70.30	48.04	1.952	93.78	73.5
4.47	178.8	83.45	48.03	2.247	107.91	76.3
5.25	177.9	97.45	48.02	2.564	123.13	78.4
6.07	176.9	112.20	48.01	2.903	139.37	80.0
6.94	175.9	127.52	48.00	3.260	156.48	81.1
7.84	174.8	143.20	47.98	3.631	174.25	82.0
8.76	173.8	159.01	47.97	4.012	192.46	82.5
9.69	172.7	174.83	47.96	4.399	210.98	82.8
10.63	171.5	190.59	47.94	4.792	229.78	83.0
11.59	170.4	206.27	47.93	5.192	248.87	82.9
12.55	169.2	221.84	47.91	5.600	268.32	82.7
13.51	167.9	237.27	47.90	6.015	288.15	82.4
14.49	166.7	252.47	47.89	6.438	308.30	82.0
15.46	165.4	267.38	47.87	6.863	328.56	81.5
16.44	164.0	281.95	47.86	7.286	348.68	81.0
17.42	162.6	296.14	47.84	7.702	368.51	80.4
18.40	161.1	309.98	47.83	8.113	388.04	80.0
19.38	159.5	323.53	47.81	8.519	407.36	79.5
20.36	158.0	336.93	47.80	8.923	426.58	79.0

Audit:

Series Name
RMD-X V3

Previous Name
RMD-X10 S2 1:35 V3

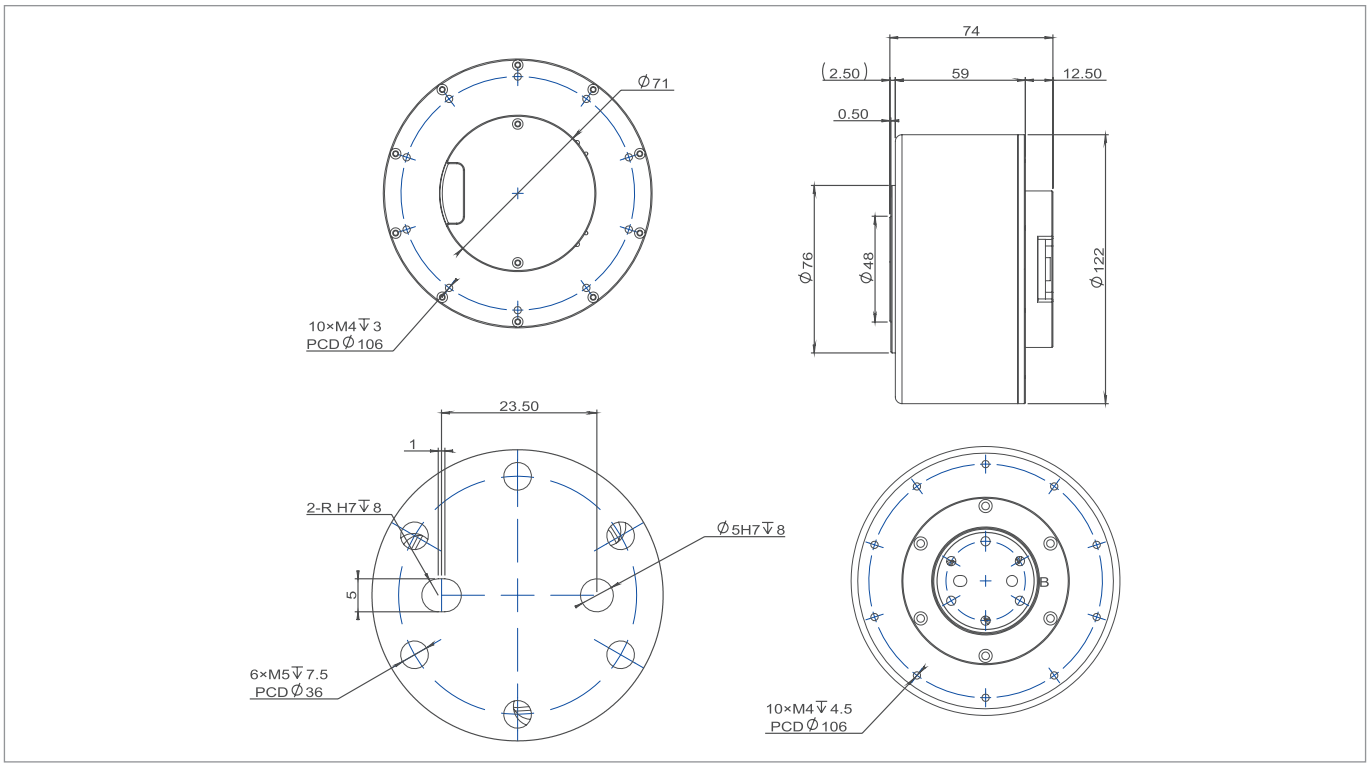
Motor simplified Name
X10-100

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X10-P35-100-R-N	1102070350230200	N (without brake)
RMD-X10-P35-100-C-N	1102070350130200	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

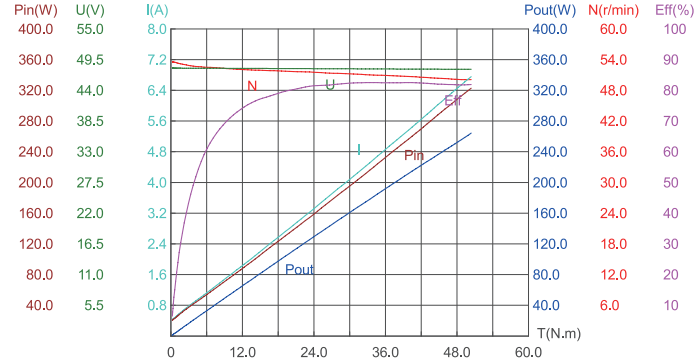


Product Parameters

Item Name		Units	X10-100
Reducer Type		-	Planetary Reducer
Gear Ratio		-	35:1
Input Voltage		V	48
Rated Power		W	265
Rated Torque		N.m	50
Rated Speed		RPM	50
Rated Current		A	6,7
Peak Torque		N.m	100
Peak Current		A	13,5
Efficiency		%	82
Input Encoder		-	16 bit
Output Encoder		-	14 bit
Communication Method & Baudrate		-	CAN : 1M RS485 : 115200 / 500K / 1M / 2.5M
Axial Payload		N	1625
Radial Payload		N	2250
Inertia		$Kg.cm^2$	198,6
Pole Pair		-	21
Back Drive Torque		N.m	2,88
Backlash		arc min	15
Weight	N (without brake)	g	1700
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.24	53.6	1.34	47.99	0.433	20.77	6.5
(Max_Eff)	33.35	51.0	178.19	47.85	4.512	215.90	82.5
(Max_Pout)	50.39	50.1	264.38	47.77	6.759	322.89	81.9
(Max_Torque)	50.39	50.1	264.38	47.77	6.759	322.89	81.9
(The End)	50.39	50.1	264.38	47.77	6.759	322.89	81.9

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0.24	53.6	1.34	47.99	0.433	20.77	6.5
0.35	53.6	1.94	47.99	0.445	21.36	9.0
0.64	53.5	3.56	47.99	0.482	23.13	15.1
1.16	53.3	6.48	47.99	0.551	26.47	23.9
1.93	53.1	10.76	47.98	0.653	31.38	33.7
2.94	52.9	16.31	47.98	0.777	37.31	43.1
4.17	52.7	23.02	47.98	0.917	43.98	51.8
5.57	52.5	30.64	47.97	1.074	51.55	59.1
7.11	52.5	39.04	47.96	1.256	60.26	64.5
8.76	52.3	47.99	47.95	1.452	69.61	68.7
10.49	52.2	57.35	47.95	1.658	79.49	72.0
12.30	52.1	67.05	47.94	1.873	89.79	74.6
14.14	52.0	76.94	47.93	2.095	100.41	76.6
16.02	51.9	87.00	47.92	2.332	111.76	77.8
17.93	51.8	97.25	47.91	2.568	123.04	79.0
19.87	51.7	107.58	47.91	2.806	134.42	80.0
21.88	51.6	118.31	47.90	3.056	146.36	80.8
23.93	51.6	129.20	47.89	3.310	158.51	81.5
25.94	51.4	139.67	47.88	3.571	170.99	81.7
27.98	51.3	150.36	47.87	3.829	183.31	82.0
29.99	51.2	160.88	47.86	4.081	195.35	82.3
32.00	51.1	171.27	47.85	4.337	207.57	82.5
34.02	51.0	181.65	47.85	4.601	220.13	82.5
36.00	50.9	191.93	47.83	4.864	232.71	82.5
37.93	50.8	201.86	47.83	5.116	244.71	82.5
39.84	50.7	211.61	47.82	5.361	256.41	82.5
41.76	50.6	221.23	47.81	5.612	268.35	82.4
43.61	50.5	230.40	47.80	5.865	280.36	82.2
45.40	50.3	239.29	47.79	6.107	291.90	82.0
47.12	50.2	247.80	47.79	6.333	302.66	81.9
48.76	50.1	255.88	47.78	6.549	312.94	81.8
50.39	50.1	264.38	47.77	6.759	322.89	81.9

Audit:

Design for Bionic Robot

Series Name
RMD-X V3

Motor simplified Name

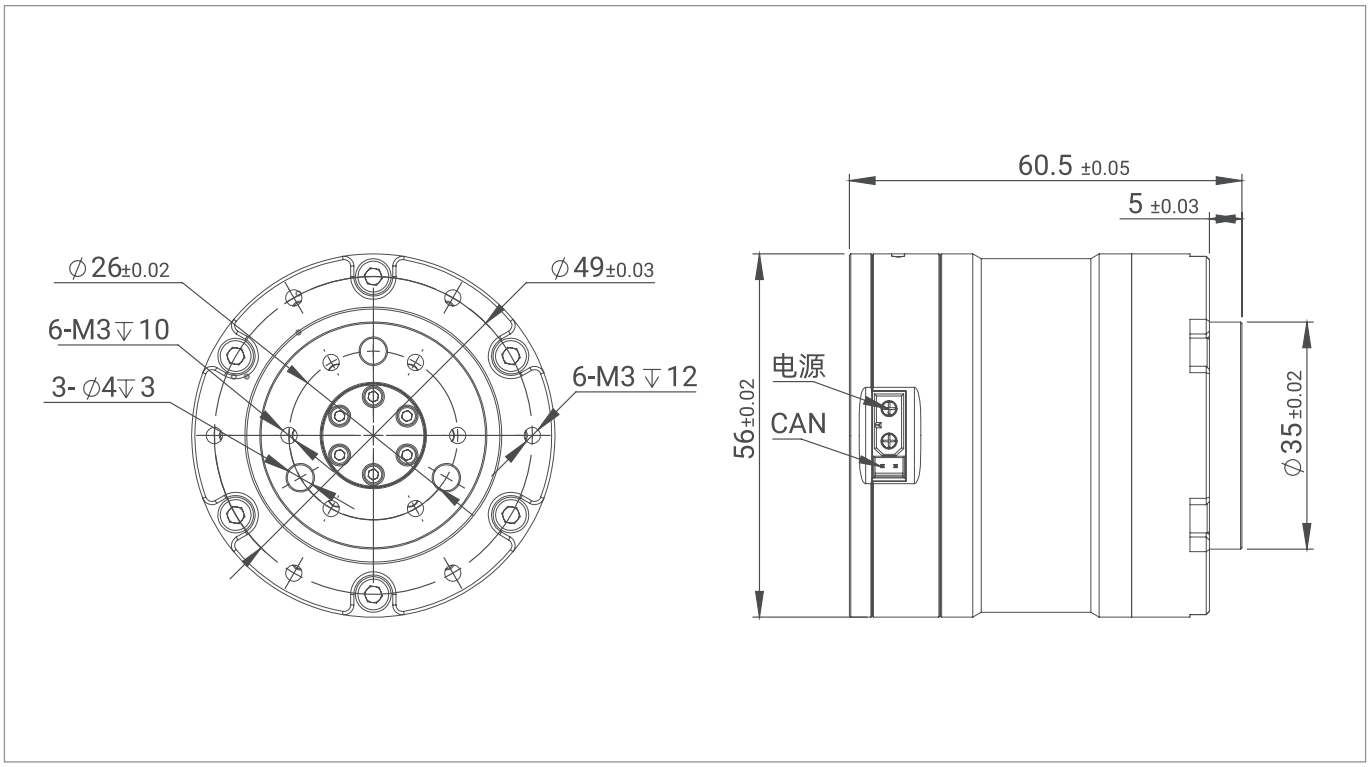
X4-24

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X4-P36-24-C-N	1102120360140200	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing



Product Parameters

Item Name		Units	X4-24
Reducer Type		-	Planetary Reducer
Gear Ratio		-	36:1
Input Voltage		V	48
Rated Power		W	150
Rated Torque		N.m	9
Rated Speed		RPM	100
Rated Current		A	3,5
Peak Torque		N.m	24
Peak Current		A	10
Efficiency		%	75
Input Encoder		-	14 bit
Output Encoder		-	14 bit
Communication Method & Baudrate		-	CAN : 1M
Axial Payload		N	1900
Radial Payload		N	1900
Inertia		$Kg.cm^2$	6,8
Pole Pair		-	14
Back Drive Torque		N.m	0,87
Backlash		arc min	15
Weight	N (without brake)	g	380
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Design for Bionic Robot

Series Name
RMD-X V3

Motor simplified Name

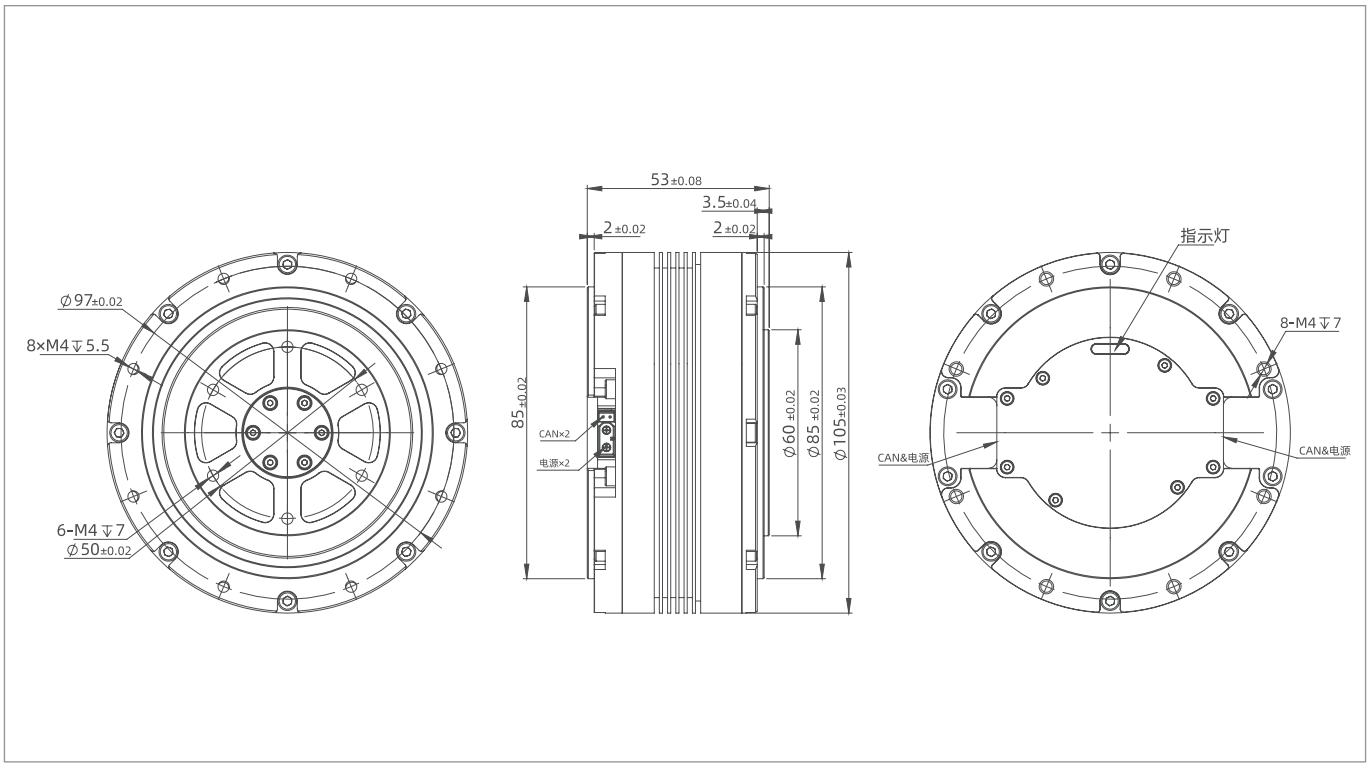
X8-90

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X8-P18-90-C-N	1102130180140200	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

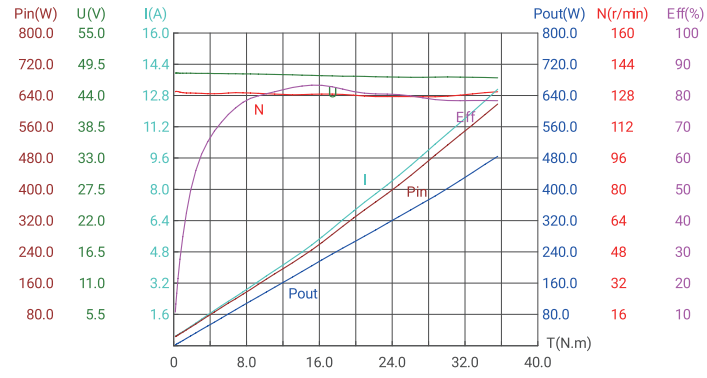


Product Parameters

Item Name		Units	X8-90
Reducer Type		-	Planetary Reducer
Gear Ratio		-	18:1
Input Voltage		V	48
Rated Power		W	500
Rated Torque		N.m	25
Rated Speed		RPM	130
Rated Current		A	10
Peak Torque		N.m	90
Peak Current		A	30
Efficiency		%	80
Input Encoder		-	14 bit
Output Encoder		-	14 bit
Communication Method & Baudrate		-	CAN : 1M
Axial Payload		N	2800
Radial Payload		N	2800
Inertia		$Kg.cm^2$	26
Pole Pair		-	21
Back Drive Torque		N.m	0,65
Backlash		arc min	10
Weight	N (without brake)	g	850
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



(Project)	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.18	130	2.52	47.96	0.487	23.36	10.8
(Max_Eff)	15.18	129	204.55	47.55	5.162	245.42	83.3
(Max_Pout)	35.59	130	484.53	47.11	13.119	618.08	78.4
(Max_Torque)	35.59	130	484.53	47.11	13.119	618.08	78.4
(The End)	35.59	130	484.53	47.11	13.119	618.08	78.4

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0.18	130	2.52	47.96	0.487	23.36	10.8
0.24	130	3.32	47.96	0.502	24.08	13.4
0.33	130	4.51	47.96	0.527	25.27	16.8
0.47	130	6.42	47.95	0.569	27.30	21.5
0.69	130	9.34	47.95	0.635	30.43	27.7
0.99	130	13.43	47.94	0.726	34.79	34.9
1.38	129	18.76	47.94	0.844	40.45	42.5
1.87	129	25.30	47.93	0.990	47.46	49.7
2.43	129	32.90	47.92	1.164	55.77	56.1
3.07	129	41.39	47.91	1.361	65.22	61.2
3.75	129	50.62	47.90	1.578	75.57	65.3
4.48	129	60.48	47.88	1.807	86.51	68.6
5.23	129	70.81	47.87	2.041	97.71	71.5
6.01	129	81.41	47.85	2.277	108.93	73.9
6.80	129	92.17	47.84	2.512	120.17	76.1
7.61	129	103.07	47.82	2.755	131.75	77.8
8.43	129	114.19	47.80	3.012	143.97	79.1
9.29	129	125.62	47.78	3.285	156.92	79.9
10.18	129	137.41	47.75	3.566	170.28	80.6
11.10	129	149.61	47.72	3.854	183.89	81.2
12.07	129	162.36	47.68	4.150	197.85	81.9
13.07	128	175.76	47.64	4.462	212.54	82.6
14.11	128	189.86	47.60	4.797	228.30	83.1
15.18	129	204.55	47.55	5.162	245.42	83.3
16.28	129	219.62	47.50	5.562	264.15	83.3
17.41	129	234.81	47.45	5.994	284.40	82.8
18.57	129	249.93	47.42	6.447	305.64	82.1
19.76	128	265.01	47.39	6.899	326.88	81.3
20.97	128	280.35	47.36	7.341	347.64	80.8
22.20	128	296.35	47.32	7.779	368.07	80.6
23.45	127	313.08	47.27	8.232	389.12	80.5
24.73	128	330.29	47.23	8.713	411.58	80.3
26.04	127	347.61	47.22	9.228	435.79	79.9
27.37	127	365.14	47.23	9.767	461.39	79.3
35.59	130	484.53	47.11	13.119	618.08	78.4

JKLM :

Series Name
RMD-X V3

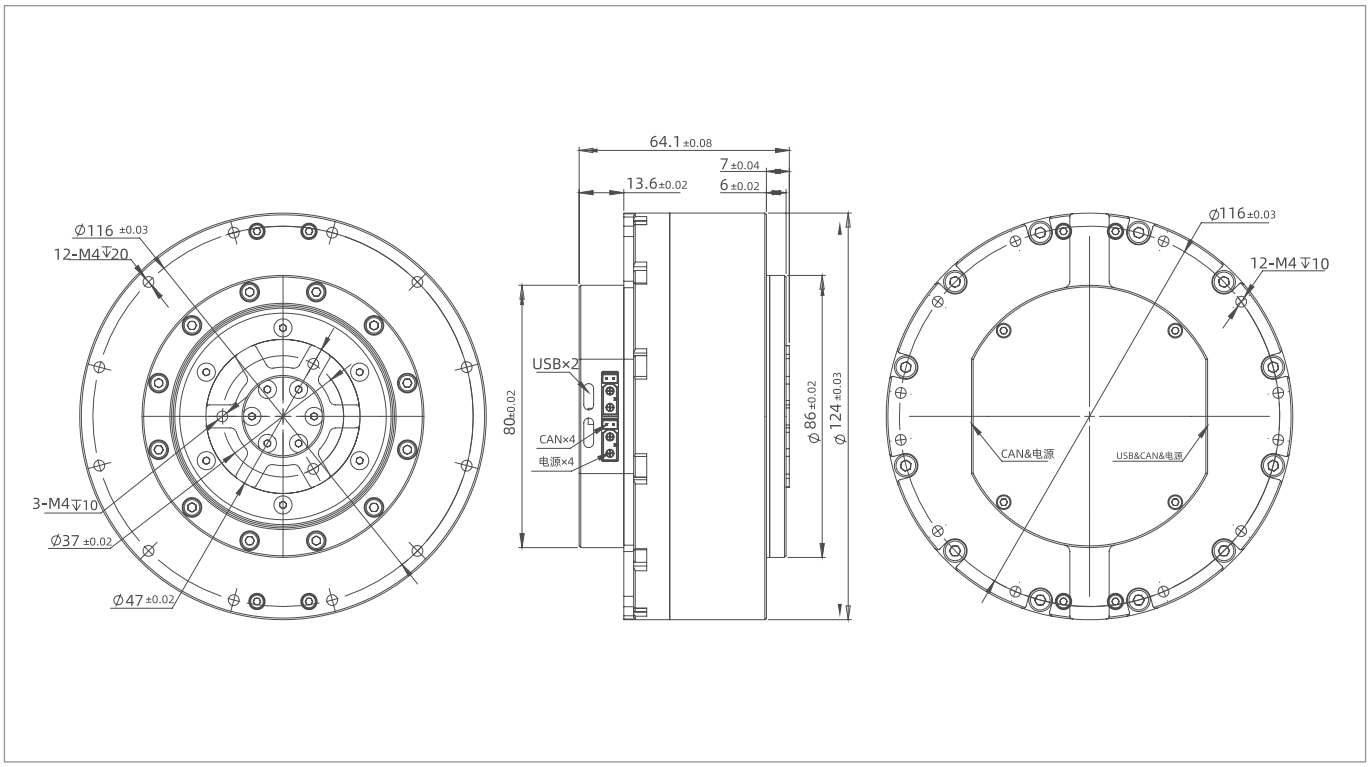
Motor simplified Name
X12-150

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X12-P12-150-C-N	1102080120130200	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing

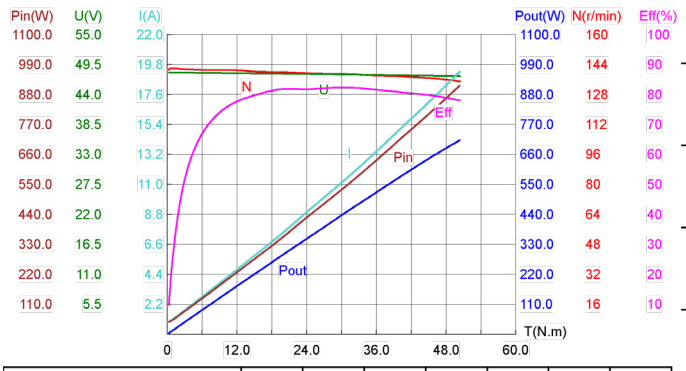


Product Parameters

Item Name		Units	X12-150
Reducer Type		-	Planetary Reducer
Gear Ratio		-	12:1
Input Voltage		V	48
Rated Power		W	780
Rated Torque		N.m	50
Rated Speed		RPM	100
Rated Current		A	15
Peak Torque		N.m	150
Peak Current		A	45
Efficiency		%	78
Input Encoder		-	14 bit
Output Encoder		-	14 bit
Communication Method & Baudrate		-	CAN : 1M
Axial Payload		N	2600
Radial Payload		N	2600
Inertia		$Kg.cm^2$	59
Pole Pair		-	21
Back Drive Torque		N.m	1,26
Backlash		arc min	10
Weight	N (without brake)	g	1300
	B (with brake)	-	/

* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other 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.

Motor Characteristic Curve



	T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
(No_Load)	0.29	141	4.34	48.06	0.926	44.52	9.7
(Max_Eff)	29.97	139	436.18	47.68	11.111	529.83	82.3
(Max_Pout)	50.39	135	712.40	47.38	19.272	913.16	78.0
(Max_Torque)	50.39	135	712.40	47.38	19.272	913.16	78.0
(The End)	50.39	135	712.40	47.38	19.272	913.16	78.0

T(N.m)	N(r/min)	Pout(W)	U(V)	I(A)	Pin(W)	Eff(%)
0.29	141	4.34	48.06	0.926	44.52	9.7
0.39	142	5.82	48.06	0.950	45.65	12.5
0.65	142	9.68	48.06	1.016	48.86	19.0
1.11	142	16.44	48.05	1.150	55.30	28.5
1.74	142	25.75	48.05	1.352	64.98	38.3
2.54	142	37.64	48.04	1.610	77.34	47.4
3.50	141	51.83	48.02	1.919	92.18	55.2
4.61	141	68.15	48.01	2.281	109.55	61.4
5.86	141	86.63	48.00	2.693	129.27	66.4
7.24	141	106.92	47.98	3.146	150.96	70.4
8.72	141	128.70	47.96	3.638	174.50	73.4
10.27	141	151.62	47.94	4.160	199.45	75.8
11.87	141	175.12	47.92	4.701	225.26	77.6
13.52	141	198.98	47.90	5.263	252.11	78.8
15.26	140	224.03	47.88	5.853	280.23	79.9
17.09	140	250.63	47.85	6.470	309.66	80.9
18.96	140	277.86	47.83	7.113	340.25	81.6
20.82	140	304.88	47.81	7.788	372.33	81.9
22.73	140	332.18	47.78	8.502	406.26	81.8
24.74	139	360.77	47.75	9.232	440.89	81.8
26.82	139	390.56	47.73	9.968	475.73	82.1
28.92	139	420.93	47.70	10.724	511.52	82.3
31.03	139	451.37	47.67	11.504	548.38	82.3
33.17	139	481.35	47.64	12.307	586.29	82.1
35.33	138	511.26	47.61	13.143	625.73	81.7
37.49	138	541.83	47.57	14.011	666.61	81.3
39.65	138	572.08	47.54	14.879	707.41	80.9
41.77	137	600.98	47.51	15.726	747.22	80.4
43.84	137	628.93	47.48	16.555	786.09	80.0
45.82	137	655.37	47.45	17.362	823.89	79.6
47.71	136	679.38	47.42	18.143	860.43	79.0
49.51	135	701.60	47.39	18.899	895.76	78.3

Design for Bionic Robot

Series Name
RMD-X V3

Motor simplified Name

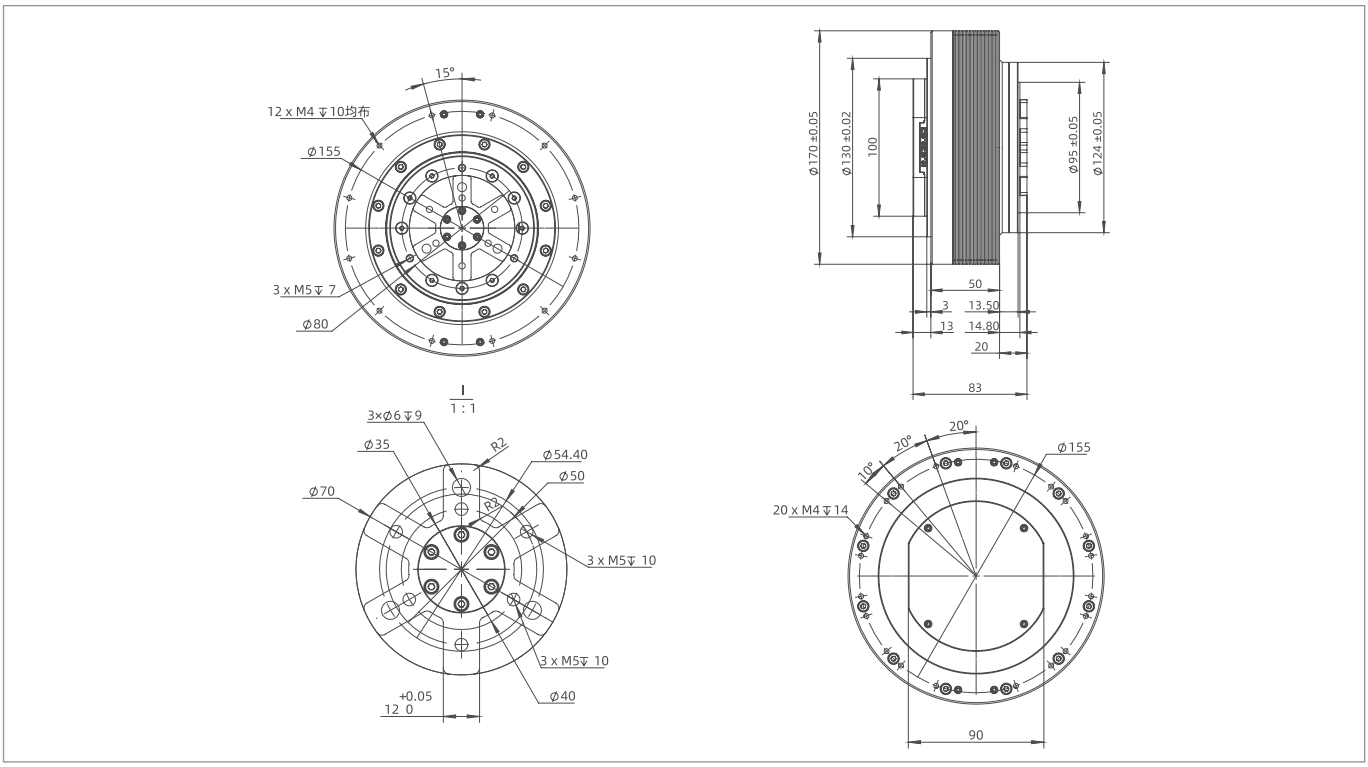
X15-400

Single Encoder

Actuator Full Name	Product Code	With Brake / Without Brake
RMD-X15-P12-400-C-N	1102110120130200	N (without brake)

*This motor support brake customization
*This motor support IP54 customization

Installation Drawing



*Subject to change without prior notice

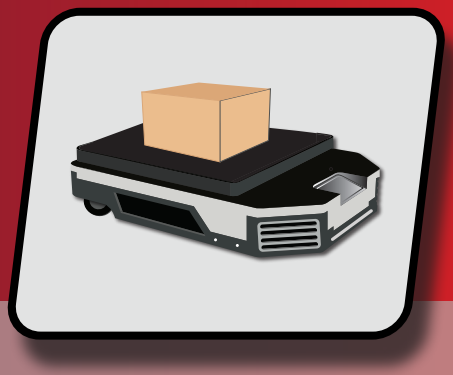
Product Parameters

Item Name		Units	X15-400
Reducer Type		-	Planetary Reducer
Gear Ratio		-	11,4:1
Input Voltage		V	60
Rated Power		W	1500
Rated Torque		N.m	130
Rated Speed		RPM	80
Rated Current		A	23
Peak Torque		N.m	380
Peak Current		A	65
Efficiency		%	83
Input Encoder		-	14 bit
Output Encoder		-	14 bit
Communication Method & Baudrate		-	CAN : 1M
Axial Payload		N	6700
Radial Payload		N	6700
Inertia		$Kg.cm^2$	175
Pole Pair		-	21
Back Drive Torque		N.m	2,15
Backlash		arc min	10
Weight	N (without brake)	g	3100
	B (with brake)	-	/

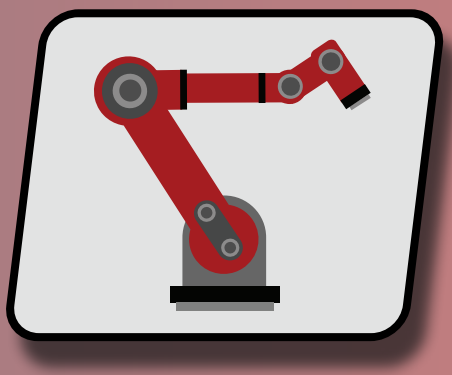
* Rated torque test method : When the ambient temperature is 24 degrees Celsius (no other dissipation methods), the test is performed at the rated speed. The motor torque reaches temperature balance under the condition of a temperature rise of 60 degrees Celsius, and the long-term working point is the rated torque value of the motor.

MYACTUATOR®

Profession · Reliable · Innovation



A2V Mécatronique is your exclusive representative in Europe for My Actuator brand products.



Scan me !

MY ACTUATOR EUROPE - Tél : +33(0)1 61 08 62 19 - www.a2v.fr - a2v@a2v.fr