

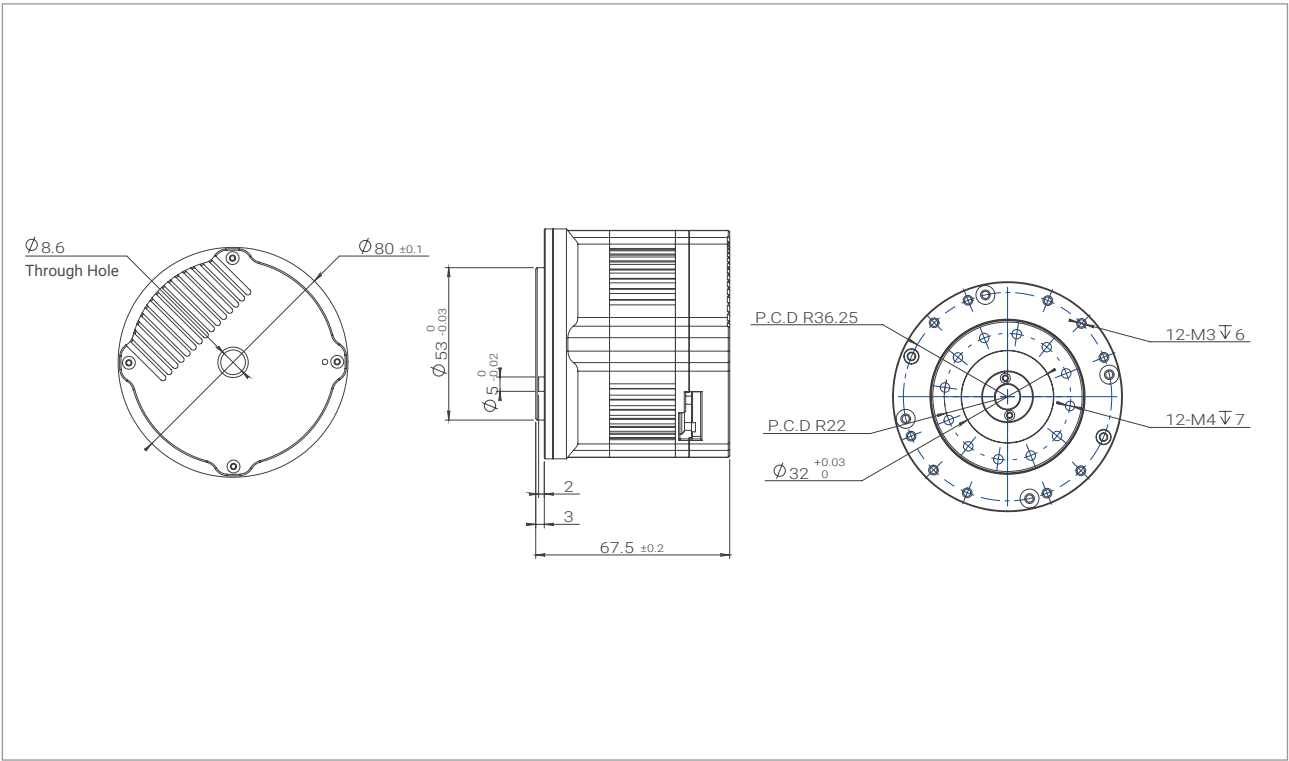
Series Name
RMD-X
Motor Simplified Name
X6-60



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X6-P20-60-E	N (without Brake)	EtherCAT & CAN BUS

Installation Drawing



Product Parameters

Parameters	Unit	X6-60
Gear Ratio	—	19.612
Input Voltage	V	48
No Load Speed	RPM	176
No-Load Input Current	A	0.9
Rated Speed	RPM	153
Rated Torque	N.m	20
Rated Output Power	W	320
Rated Phase Current	A(rms)	9.5
Peak Torque	N.m	60
Peak Phase Current	A(rms)	29.1
Efficiency	%	72.7
Motor Back-EMF Constant	Vdc/Krpm	16
Module Torque Constant	N.m/A	2.1
Motor Phase Resistance	Ω	0.41
Motor Phase Inductance	mH	0.51
Pole Pair	—	10
3 Phase Connection	—	Y
Back Drive Torque	N.m	1.6
Backlash	Arcmin	10
Output Bearing Type	—	Crossed Roller Bearings
Axial Load	Tensile load	KN
	Compressive load	KN
Radial Load	KN	2
Inertia	Kg.cm ²	0.66
Encoder Type & Interface	—	Dual Encoder ABS-17BIT(Input) / 17BIT(Output)
Control Accuracy	Degree	<0.01
Communication	—	EtherCAT & CAN BUS
Weight	Kg	0.82
Insulation Grade	—	F

Stall Torque Data

	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
X6-60	30	17	15	12.7
	40	29	10	17.7
	50	37	8	22.6
	60	24	5	28.3