

Series Name
RMD-X

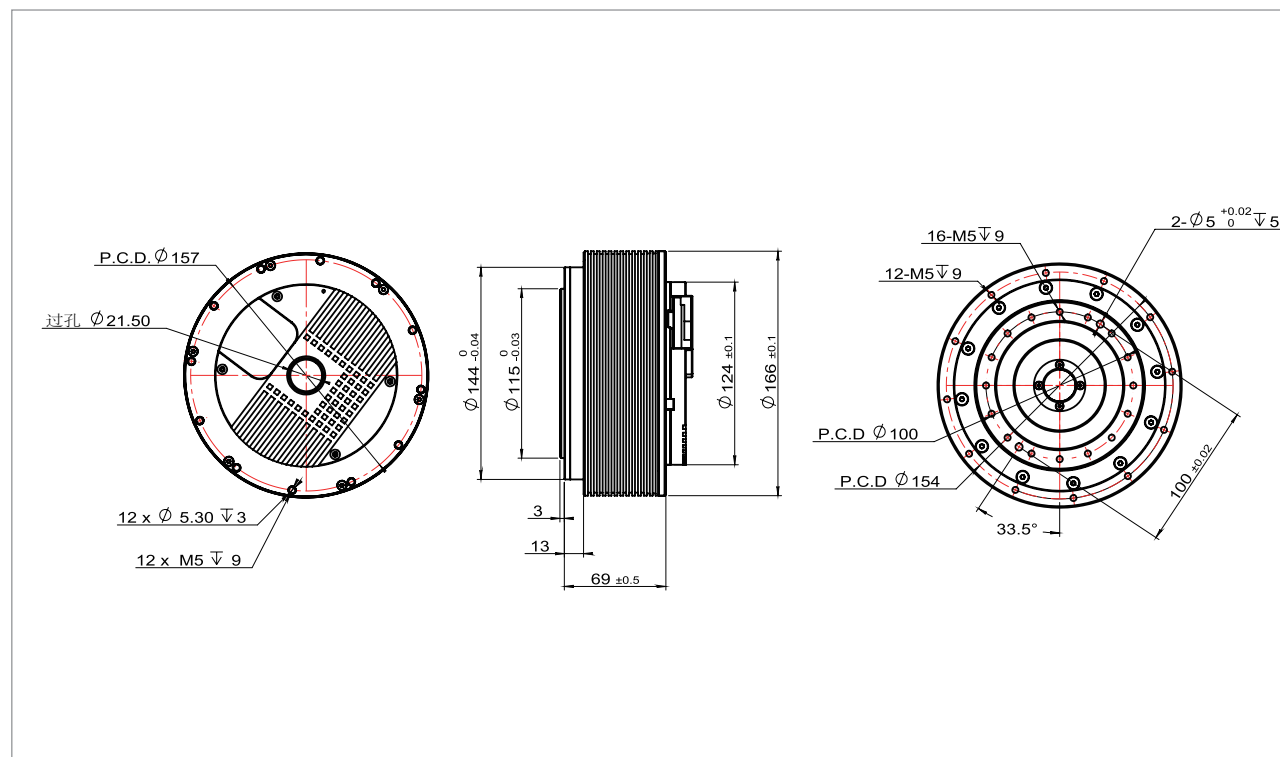
Motor Simplified Name
X15-450



Dual encoder

Actuator Full Name	With Brake/Without Brake	Communication
RMD-X15-P20-450-E	N (without Brake)	EtherCAT & CAN BUS

■ Installation Drawing



■ Product Parameters

Parameters		Unit	X15-450
Gear Ratio		—	20.25
Input Voltage		V	72
No Load Speed		RPM	108
No-Load Input Current		A	3.5
Rated Speed		RPM	98
Rated Torque		N.m	145
Rated Output Power		W	1480
Rated Phase Current		A(rms)	25
Peak Torque		N.m	450
Peak Phase Current		A(rms)	69.2
Efficiency		%	82.4
Motor Back-EMF Constant		Vdc/Krpm	29.9
Module Torque Constant		N.m/A	5.8
Motor Phase Resistance		Ω	0.08
Motor Phase Inductance		mH	0.14
Pole Pair		—	20
3 Phase Connection		—	Y
Back Drive Torque		N.m	4
Backlash		Arcmin	≤15
Output Bearing Type		—	Crossed Roller Bearings
Axial Load	Tensile load	KN	5.4
	Compressive load	KN	5.4
Radial Load		KN	6
Inertia		Kg.cm²	31.6
Encoder Type & Interface		—	Dual Encoder ABS-17BIT (Input) / 17BIT (Output)
Control Accuracy		Degree	<0.01
Communication		—	EtherCAT & CAN BUS
Weight		Kg	3.50
Insulation Grade		—	F

■ Stall Torque Data

X15-450	Torque (N.m)	Temperature Rise (°C)	Stall Time (s)	Phase Current (Arms)
	217.5	15	15	31.1
	290	15	10	41
	362.5	20	8	51.6
	435	25	5	67.2