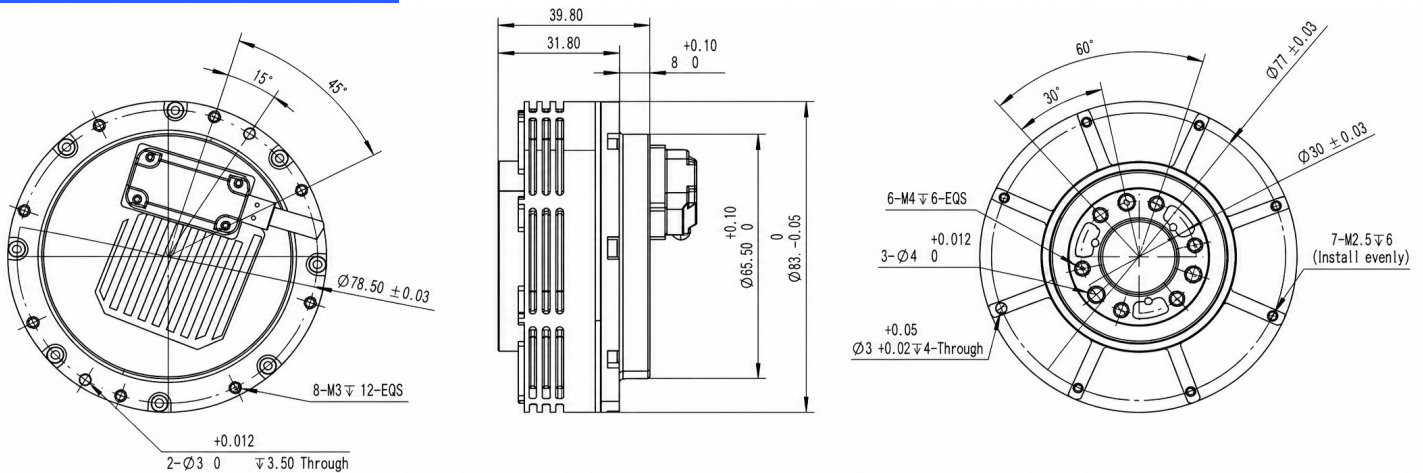
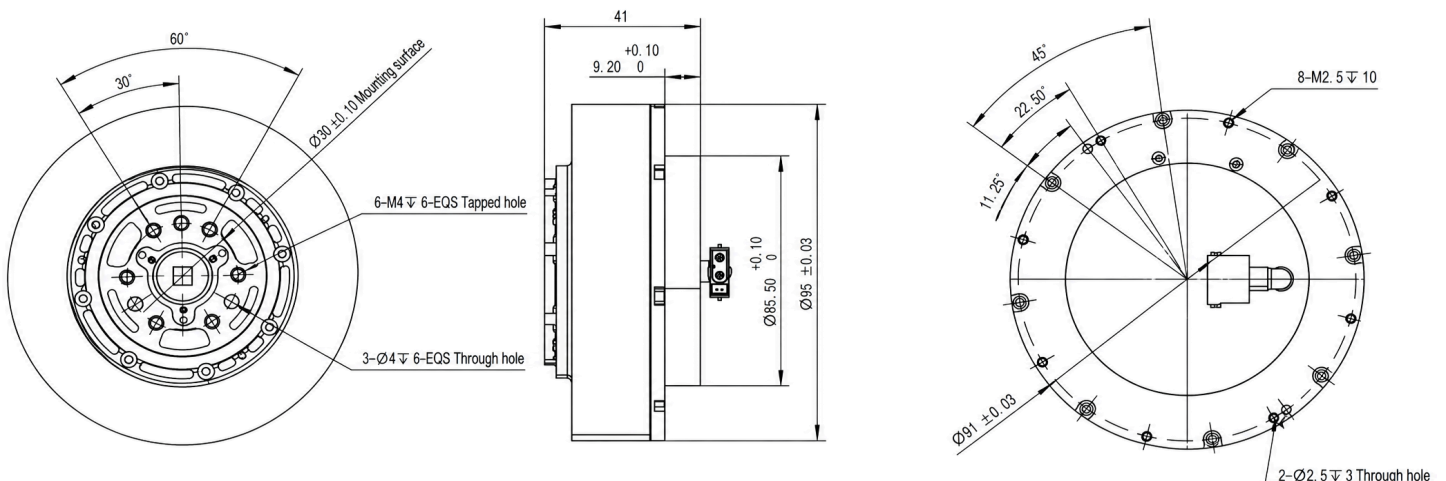
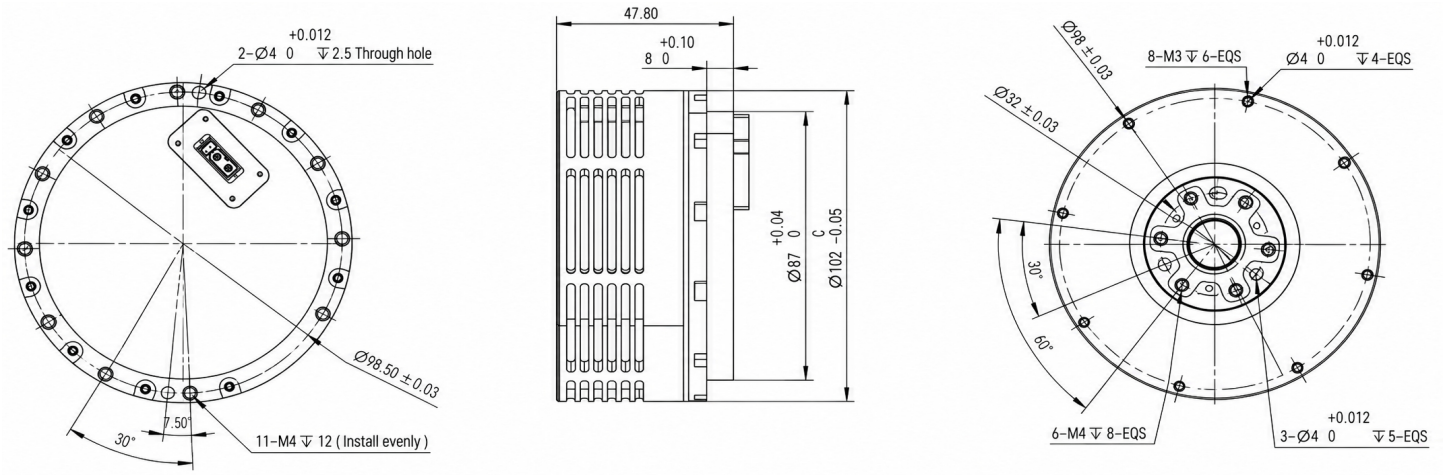


3 MODELS | 83-102 mm OUTER DIAMETER | 24-60 Nm MAXIMUM TORQUE

Parameter	Unit	APM-083-024-R09	APM-095-030-R09	APM-102-060-R09
Module Outer Diameter	mm	83	95	102
Module Height	mm	40	41	48
Reducer Type	-	Planetary	Planetary	Planetary
Reduction Ratio	:1	9	9	9
Module Weight	g	360	460	1010
Rated Speed	rpm	320	300	300
Rated Torque	Nm	6	9	20
Maximum Speed	rpm	350	350	380
Maximum Torque	Nm	24	30	60
Torque Constant	Nm/A	1.1	1	0.5
Speed Constant	rpm/V	7.5	7.3	7.9
Drive Voltage	V	48	48	48
Communication Protocol	-	CAN / CANFD	CAN / CANFD	CAN / CANFD
Protection Rating	-	IP67	IP54	IP67
Backlash	-	< 10 arcmin	< 10 arcmin	< 10 arcmin

DIMENSIONAL DRAWING - 83 mm PLATFORM**DIMENSIONAL DRAWING - 95 mm PLATFORM**

DIMENSIONAL DRAWING - 102 mm PLATFORM



Operating environment: Standard operating range -10 to 45°C. Operation from -40 to -10°C or 46 to 70°C requires customization. Store at -30 to 60°C. Indoor use only; avoid condensation, dust, corrosive or flammable gas, oil mist, and direct sunlight.