

SJM6010-06

驱动板型号(Driver Model)	/	SDC102		SDC301
额定电压(Nominal Voltage)	V	24	48	24
电压范围(Voltage Range)	V	12~36	12~56	12~36
功率(Power)	W	233	221	96
额定扭矩(Nominal Torque)	N.M	3.3	3	3
堵转扭矩(Stall Torque)	N.M	8	6.92	9
减速后额定转速(Nominal Speed after Reduce)	RPM	130	513	300
减速后最大转速(Max Speed after Reduce)	RPM	450	585	400
额定电流(Nominal Current)	A	9.7	4.6	4
堵转电流(Stall Current)	A	23.53	9.3	13.24
相电阻(Phase Resistance)	Ω	0.55	0.55	0.55
相电感(Phase Inductance)	mH	0.45	0.45	0.45
转速常数(Speed Constant)	rpm/v	18.75	12.19	16.67
扭矩常数(Torque Constant)	N.M/A	0.34	0.73	0.68
极对数(Number of Pole Pairs)	Pairs	14	14	14
减速比(Gear Rate)	/	6:1	6:1	6:1
减速器类型(Gear Type)	/	Planetary	Planetary	Planetary
减速器齿轮材料(Reducer Gear Material)	/	STEEL	STEEL	STEEL
减速器齿轮背隙(Reducer Gear Backlash)	arcmin	15	15	15
电机重量不带驱动(Motor Weight without Driver)	g	289	289	289
电机重量带驱动(Motor Weight with Driver)	g	318	318	318
电机尺寸不带驱动(Size without Driver)	mm	$\varnothing 76 \times 24$	$\varnothing 76 \times 24$	$\varnothing 76 \times 24$
电机尺寸带驱动(Size with Driver)	mm	$\varnothing 76 \times 35$	$\varnothing 76 \times 35$	$\varnothing 76 \times 35$
轴向最大负载(Max Axial Load)	N	200	200	200
径向最大负载(Max Radial Load)	N	800	800	800
噪音(Noise)	dB	< 60	< 60	< 60
通信协议(Communication)	/	CAN & 485	CAN & 485	CAN
第二编码器(Second Encoder)	/	YES	YES	YES
电机防水防尘等级(Motor Protection Grade)	/	IP54	IP54	IP54
工作温度范围(Working Temperature)	$^{\circ}\text{C}$	-20~+80	-20~+80	-20~+80
板载编码器精度(Resolution of Encoder on Driver)	Bit	14	14	14
是否支持单独编码器(Separate Encoder)	/	NO	NO	NO
是否支持定制抱闸(Custom Brake)	/	YES	YES	YES