

## SJM8115-09

驱动板型号(Driver Model)	/	SDC103		SDC303	
额定电压(Nominal Voltage)	V	24	48	24	48
电压范围(Voltage Range)	V	24~48	15~48	24~48	15~48
功率(Power)	W	190	221	202	245
额定扭矩(Nominal Torque)	N.M	13	13.8	12.9	13.5
堵转扭矩(Stall Torque)	N.M	40	46	45	39
减速后额定转速(Nominal Speed after Reduce)	RPM	100	118	117	136
减速后最大转速(Max Speed after Reduce)	RPM	129	146	143	160
额定电流(Nominal Current)	A	7.9	4.6	8.4	5.1
堵转电流(Stall Current)	A	24.69	16.55	30.41	15.79
相电阻(Phase Resistance)	$\Omega$	0.28	0.98	0.28	0.98
相电感(Phase Inductance)	mH	0.26	0.55	0.26	0.55
转速常数(Speed Constant)	rpm/v	5.38	3.04	5.96	3.33
扭矩常数(Torque Constant)	N.M/A	1.62	2.78	1.48	2.47
转子惯量(Rotor Inertia)	gcm <sup>2</sup>	53.4	53.4	53.4	53.4
极对数(Number of Pole Pairs)	Pairs	21	21	21	21
减速比(Gear Rate)	/	9:1	9:1	9:1	9:1
减速器类型(Gear Type)	/	Planetary	Planetary	Planetary	Planetary
减速器齿轮材料(Reducer Gear Material)	/	STEEL	STEEL	STEEL	STEEL
减速器齿轮背隙(Reducer Gear Backlash)	arcmin	15	15	15	15
电机重量不带驱动(Motor Weight without Driver)	g	660	660	660	660
电机重量带驱动(Motor Weight with Driver)	g	705	705	705	705
电机尺寸不带驱动(Size without Driver)	mm	$\varnothing 96 \times 41$	$\varnothing 96 \times 41$	$\varnothing 96 \times 41$	$\varnothing 96 \times 41$
电机尺寸带驱动(Size with Driver)	mm	$\varnothing 96 \times 48.5$	$\varnothing 96 \times 48.5$	$\varnothing 96 \times 48.5$	$\varnothing 96 \times 48.5$
轴向最大负载(Max Axial Load)	N	225	225	225	225
径向最大负载(Max Radial Load)	N	900	900	900	900
噪音(Noise)	dB	< 60	< 60	< 60	< 60
通信协议(Communication)	/	CAN & 485	CAN & 485	CAN	CAN
第二编码器(Second Encoder)	/	YES	YES	YES	YES
电机防水防尘等级(Motor Protection Grade)	/	IP54	IP54	IP54	IP54
工作温度范围(Working Temperature)	$^{\circ}\text{C}$	-20~+80	-20~+80	-20~+80	-20~+80
板载编码器精度(Resolution of Encoder on Driver)	Bit	12	12	12	12
是否支持单独编码器(Separate Encoder)	/	NO	NO	NO	NO