

直流无刷电机性能检验标准

INSPECTION STANDARD OF BLDC MOTOR

电机名称 Motor Name	直流无刷电机 BLDC MOTOR		
电机型号 Motor Type	45ZWN24-40		
无减速外形图号 Drawing Without Gearbox	1linix.583.266		
额定功率 Rated Power(W)	40	额定电流 Rated Current (A)	2.4
额定转数 Rated Speed(rpm)	4000	额定电压 Rated Voltage (V)	24
电机空载特性 (额定电压) Performance Without Load (Rated Voltage)	电压 Voltage U₀ (V)		24
	电流 Current I₀ (A)		≤0.6
	转数 Speed n₀(rpm) ±10%		4600
	噪音 Noise (dB)		≤50
电机负载特性 (额定负载) Performance With Load (Rated Load)	功率 Power P₂ (W)		≥40
	转数 Speed n_N(rpm) ±10%		4000
	电流 Current I_N (A)		≤2.4
	效率 Efficiency (%)		≥65
介电强度 Dielectric Strength	600V 60Hz 1 S		
绝缘电阻 Insulation Resistance (Ω)	≥50M		
振动 Vibration (mm/s)	≤1.6		
轴向间隙 Axial Gap (mm)	≤0.2		
轴伸径向跳动 Axial Play(mm)	≤0.025		
备注：以上数据均为电机冷态、常温下的测试参考参数，试验方法按企业标准 Q/INVD258<ZW 系列直流无刷电机>的规定测试。			

Note:The above data is as the test performance under the conditions of cool motor & normal temperature per company standard Q/INVD258 < ZW BLDC MOTOR >

电机控制器型号 Controller Type	BL24-90-P		
适用电压 Voltage Used (DC)	24V	调速范围 Speed Adjustable range	