



Cable: #17AWG red, black, white, corresponding to U, V, W
 Wire length 250mm
 Temperature control wire: #26AWG, yellow and green wires, length: 250mm
 Temperature Coefficient Thermistor: CA-NTC24C018

Model	U6035
DC voltage (VDC)	48
Rated output (W)	314
Rated torque (N.m)	1
Rated current (A)	8
Rated speed (rpm)	3000
Maximum speed (rpm)	4500
Instant max torque (N.m)	3
Instant max current (A)	24
Coil resistance (ohms@20°C)	0.26
Coil inductance (mH)	0.26
Torque parameters (Nm/A)	0.125
Back EMF coefficient (Vrms/KRPM)	8.1
Number of pole-pairs (2P)	10
Rotor inertia (Kg.cm ²)	0.372
Winding connection way	Y
Weight (g)	350
Motor Temperature Rise (K)	55K
Cogging Torque (mN.m)	30 (REF.)

								MOSRAC 强和电机			
								Drawing Sign	Version	V1.0	U6035 Frameless Torque Motor
Marker	Place number	Drawing Zone	Rev. No.	Signature	Month-Day-Year			Weight	WI-YF-U6035DJA01		
Designer	ZZY	2025/8/25	Unification					Scale	Qianghe Motor R&D Department		
Checker			Process Engineer								
Technical			Approval						Perspective		
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