



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	U6017
DC voltage (VDC)	48
Rated output (W)	141.5
Rated torque(N.m)	0.45
Rated current(A)	5
Rated speed(rpm)	3000
Maximum speed(rpm)	4500
Instant max torque (N.m)	1.35
Instant max current (A)	15
Coil resistance(ohms@20°C)	0.54
Coil inductance(mH)	0.4
Torque parameters (Nm/A)	0.09
Back EMF coefficient(Vrms/KRPM)	6.2
Number of pole-pairs(2P)(2P)	10
Rotor inertia (Kg.cm ²)	0.139
Winding connection way	Y
Weight(g)	150
Motor Temperature Rise(K)	55k
Cogging Torque(mN.m)	13(REF.)

								MOSRAC 强和电机			
								Drawing Sign	Version	V1.0	U6017 Frameless Torque Motor
Marker	Place number	Drawing Zone	Rev. No.	Signature	Month-Day-Year			Weight		WI-YF-U6017DJA01	
Designer	CMH	2025/8/25	Unification					Scale		Qianghe Motor R&D Department	
Checker			Process Engineer								
Technical			Approval							Perspective	
								Sheet 1 of 1			