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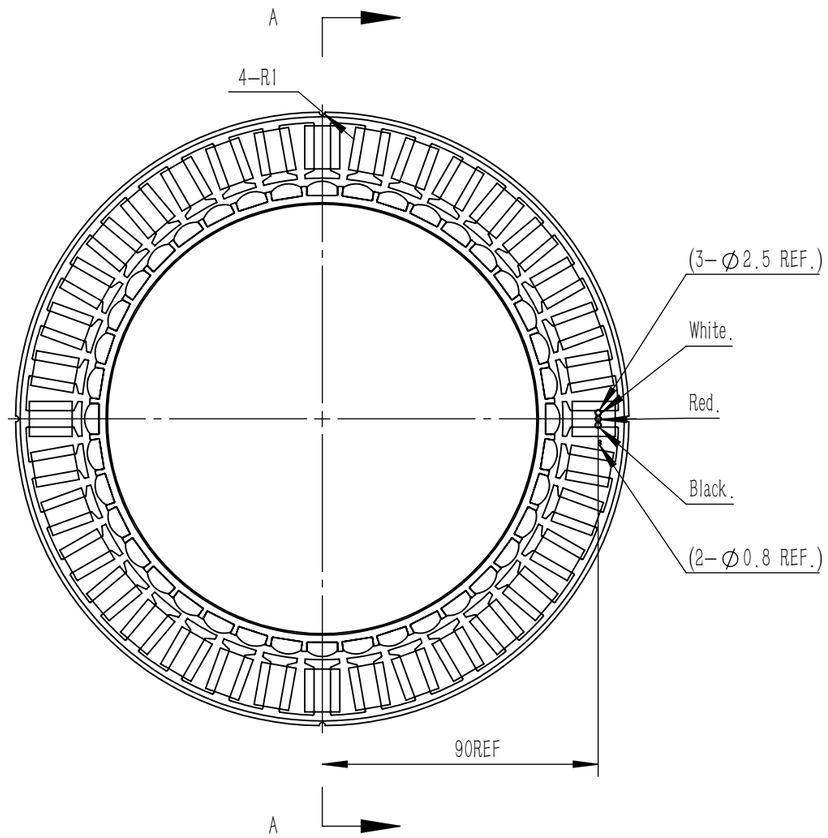

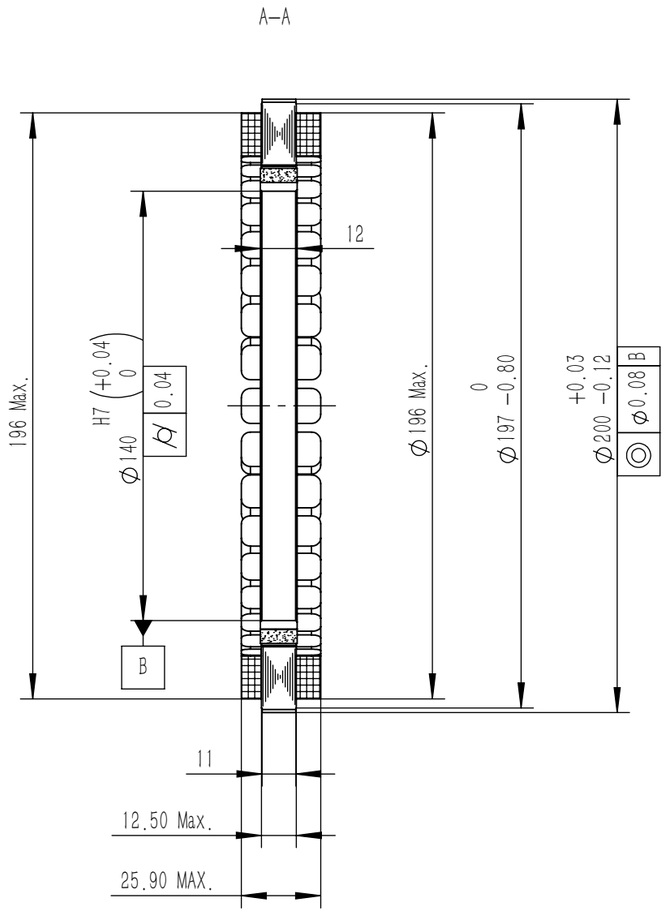

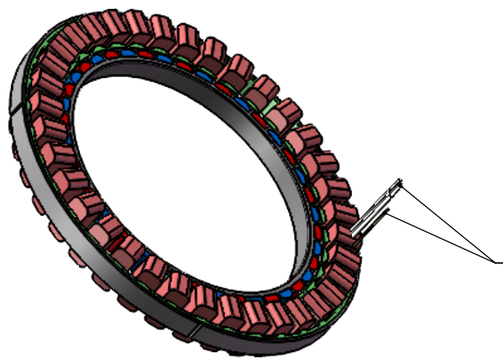

Cable: #14AWG red,black,white,corresponding to U, V, W
Wire length 250mm
Temperature control wire: #26AWG, yellow and green wires, length: 250mm
Temperature Coefficient Thermistor: CA–NTC24C018

Model	U20025
DC voltage (VDC)	48
Rated output (W)	408.72
Rated torque (N.m)	13
Rated current(A)	14
Rated speed (rpm)	300
Maximum speed (rpm)	500
Instant max torque (N.m)	28
Instant max current (A)	35
Coil resistance (ohms@20℃)	0.502
Coil inductance (mH)	2.848
Torque parameters (Nm/A)	0.93
Back EMF coefficient (Vrms/KRPM)	88
Number of pole–pairs (2P)	20
Rotor inertia (Kg.cm2)	15
Winding connection way	▲

								MOSRAC强和电机
						Drawing Sign	Version	U20025 Frameless Torque Motor
Marker	Place number	Drawing Zone	Rev.No.	Signature	Month-Day-Year		Weight	WI–YF–U20025DJA01
Designer	Zsx	2026/03/02	Unification				Scale	MOSRAC Motor R&D Department
Checker	Tjt	2026/03/02	Process Engineer					Perspective
Technical	Cmh	2026/03/02	Approval			Sheet of		

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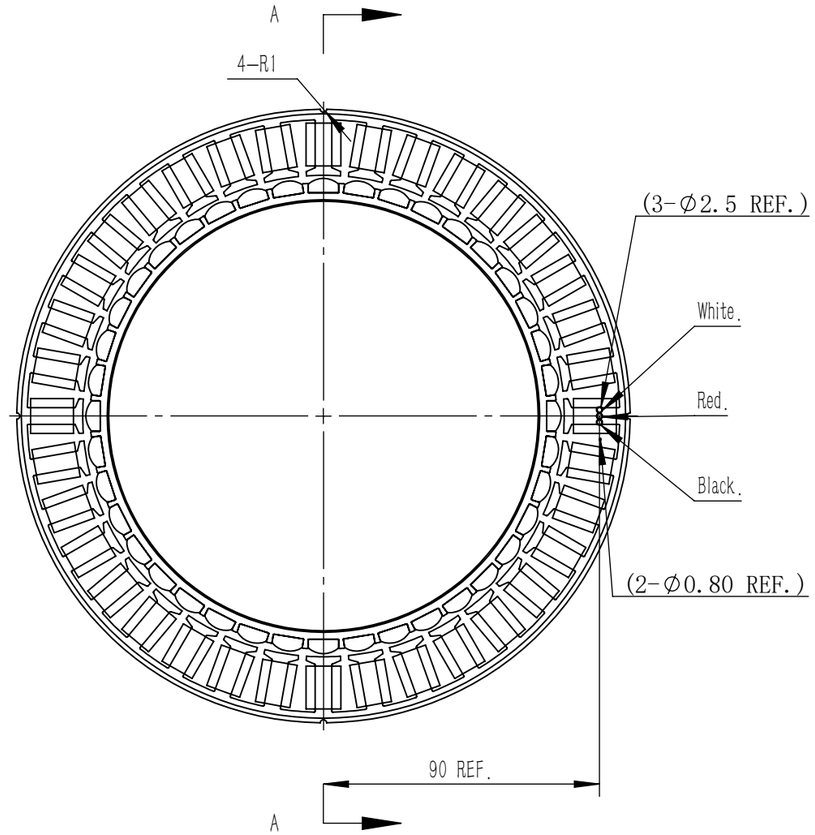

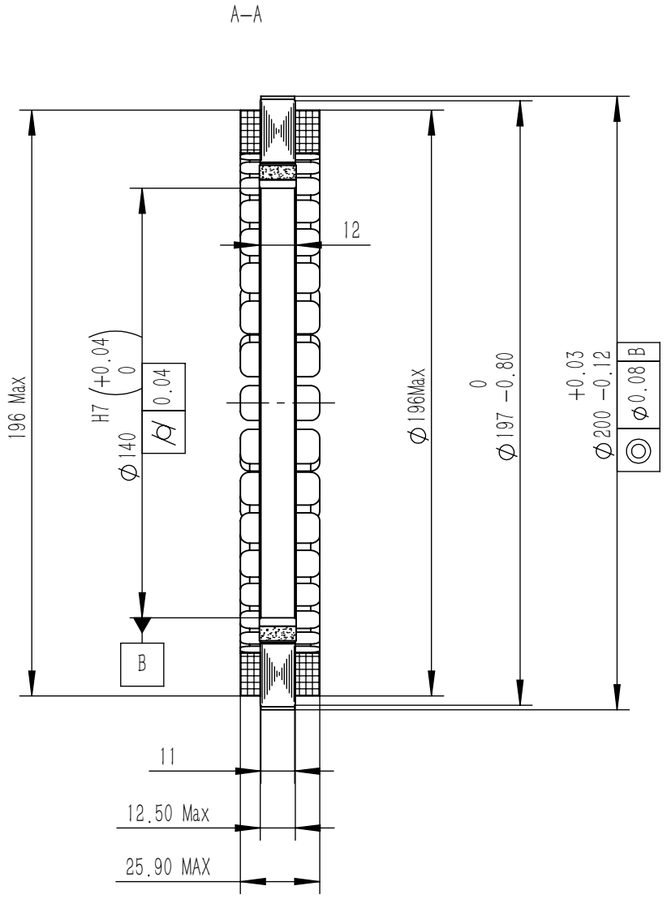

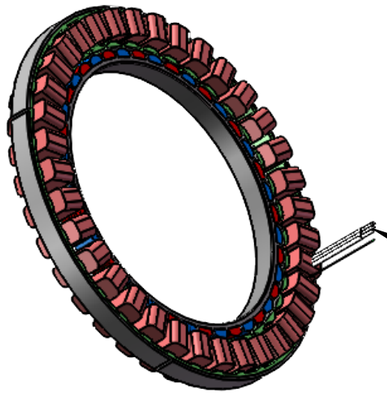

Cable: #14AWG red,black,white,corresponding to U, V, W
Wire length 250mm
NTC: CA-NTC24C018
Wire: #26AWG Yellow:+,Green:- Length:250mm

Model	U20025
DC voltage (VAC)	220
Rated output (W)	1089.92
Rated torque (N.m)	13
Rated current(A)	10
Rated speed (rpm)	800
Maximum speed (rpm)	1200
Instant max torque (N.m)	28
Instant max current (A)	25
Coil resistance (ohms@20℃)	0.72
Coil inductance (mH)	1.44
Torque parameters (Nm/A)	1.3
Back EMF coefficient (Vrms/KRPM)	166
Number of pole-pairs (2P)	20
Rotor inertia (Kg.cm2)	15
Winding connection way	▲

								MOSRAC强和电机
						Drawing Sign	Version	U20025 Frameless Torque Motor
Marker	Place number	Drawing Zone	Rev.No.	Signature	Month-Day-Year		Weight	WI-YF-U20025DJA01
Designer	Zsx	2026/03/02	Unification				Scale	MOSRAC Motor R&D Department
Checker	Tjt	2026/03/02	Process Engineer					Perspective
Technical	Cmh	2026/03/02	Approval			Sheet of		