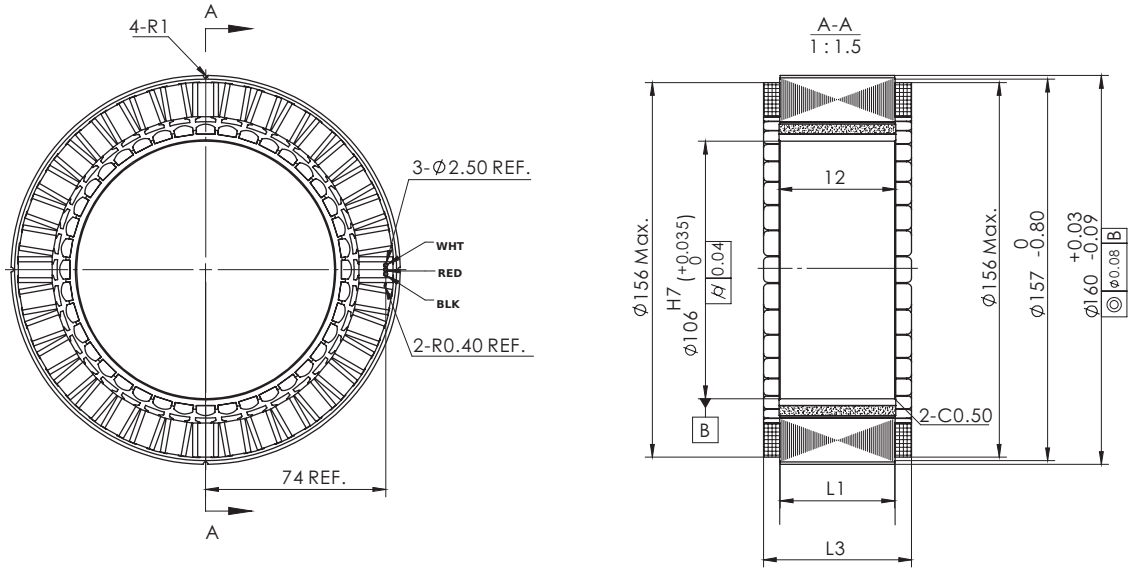
U160 Series

Frameless Torque Motor

Cifu Technology

Model		U16025	U16035	U16060
Drive Input Voltage (VDC)		48	48	48
Rated Output Power (W)		471.6	471.6	670.72
Rated Torque (N·m)		9	15	32
Peak Torque (N·m)		20	32	66
Rated Current (A)		15	17	20
Peak Current (A)		35	38	45
Rated Speed (rpm)		500	300	200
Max. Speed (rpm)		800	600	400
Torque Parameter (N·m/A)		0.6	0.88	1.6
Rotor Inertia (kg·cm²)		4.6	7	19
Back-EMF Coeff. (Vrms/krpm)		42	61	84
Line Resistance (Ω)		0.284	0.26	0.24
Line Inductance (mH)		1.155	1.2	1.2
Pole Pairs (2P)		20	20	20
Weight (kg)		1.076	1.561	3.065
Dims. (mm)	**L1 (Core Height)**	15	23	47
	L2 (Rotor Height)	16	24	48
	L3 (Overall Height)	25.9	35.9	60.9

Mechanical Drawings



U160 Series (220 V)

Frameless Torque Motor

Cifu Technology

Model		U16025	U16035	U16060
Drive Input Voltage (VAC)		220	220	220
Rated Output Power (W)		1886.4	1257.6	2012.16
Rated Torque (N·m)		9	15	32
Peak Torque (N·m)		20	32	66
Rated Current (A)		10	10	10
Peak Current (A)		25	25	25
Rated Speed (rpm)		2000	800	600
Max. Speed (rpm)		3000	1500	1000
Torque Parameter (N·m/A)		0.9	1.5	3.2
Rotor Inertia (kg·cm²)		4.6	7	20
Back-EMF Coeff. (Vrms/krpm)		80	100	176
Line Resistance (Ω)		1.25	0.55	0.87
Line Inductance (mH)		5.2	1.2	1.79
Pole Pairs (2P)		20	20	20
Weight (kg)		1.036	1.6	2.933
Dims. (mm)	L1 (Core Height)	15	23	47
	L2 (Rotor Height)	16	24	48
	L3 (Overall Height)	25.9	35.9	60.9

Mechanical Drawings

