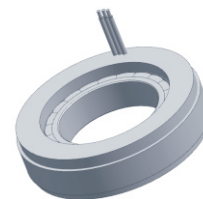


# U94 series Frameless Torque Motor



MAIN PARAMETERS		U9419	U9424	U9437
Voltage(VDC)		48	48	48
Rated Output (W)		497	644	577
Rated torque (Nm)		1.58	2.05	3.67
Instant Max Torque (Nm)		4	5.02	9
Rated Current (Arms)		12	16	24
Instant Max Current (Arms)		36	66	72
Rated Speed (rpm)		3000	3000	3000
Max Speed (rpm)		5000	4000	3000
Torque Parameter (Nm/Arms)		0.13	0.13	0.15
Rotor inertia 10 <sup>-4</sup> kg.m <sup>2</sup>		0.86	1.15	1.9
Back EMF coefficient (Vrims/rad/s)		8	9	18
Resistance (Ω)		0.15	0.12	0.08
Inductance (mH)		0.35	0.26	0.32
Pole-pairs number (2P)		10	10	10
Weight (kg)		0.382	0.522	0.93
Motor height L(mm)	L1	11	15.5	28
	L2	10	14.5	27
	L3	19.7	24.2	37.8

## Specification & drawing

