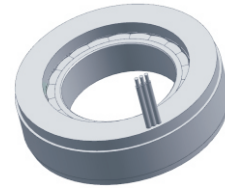


# U85 series Frameless Torque Motor



MAIN PARAMETERS		U8519	U8523	U8537
Voltage(VDC)		48	48	48
Rated Output (W)		380	519	846
Rated torque (Nm)		1.21	1.65	2.69
Instant Max Torque (Nm)		3.17	4.45	6
Rated Current (Arms)		6	12	17
Instant Max Current (Arms)		18	36	50
Rated Speed (rpm)		3000	3000	3000
Max Speed (rpm)		6000	6000	4000
Torque Parameter (Nm/Arms)		0.20	0.14	0.16
Rotor inertia I0-kg.m <sup>2</sup>		0.59	0.77	1.27
Back EMF coefficient (Vrims/rad/s)		7	7	10
Resistance (Ω)		0.80	0.20	0.10
Inductance (mH)		1.1	0.36	0.22
Pole-pairs number (2P)		10	10	10
Weight (kg)		0.306	0.414	0.736
Motor height L(mm)	L1	11	15.5	28.5
	L2	10.5	15	28
	L3	19.3	23.8	37.4

## Specification & drawing

