U68 Series

Frameless Torque Motor

Cifu Technology

Model		U6818	U6822	U6836
Drive Input Voltage (VDC)		48	48	48
Rated Output Power (W)		204	270	487
Rated Torque (N·m)		0.65	0.86	1.55
Rated Current (A)		6.3	8	12
Rated Speed (rpm)		3000	3000	3000
No-Load Speed (rpm)		4500	4500	4500
Max. Torque (N·m)		1.95	2.5	4.65
Max. Current (A)		18.9	24	36
Line Resistance (Ω @ 20°C)		0.46	0.28	0.14
Line Inductance (mH)		0.57	0.37	0.17
Torque Constant (N·m/A)		0.103	0.1075	0.129
Back-EMF Constant (Vrms/krpm)		7.5	7.3	7.7
Pole Pairs (2P)		10	10	10
Rotor Inertia (kg·cm²)		0.262	0.37	0.68
Weight (kg)		0.188	0.253	0.427
Dims. (mm)	**L1 (Core Height)**	10	14.5	27.5
	L2 (Rotor Height)	11	15.5	28.5
	L3 (Overall Height)	18.6	22.9	36.6

Mechanical Drawings

