

BLDC Motor · 60ZWX- · 60 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			60ZWX01	60ZWX02	60ZWX03	60ZWX04
Rated voltage	U	V	36	36	36	36
Terminal resistance	R	Ohm	1.65	0.7	0.48	0.35
No load speed	n_0	rpm	5200	5200	5200	5200
Stall torque	T_s	Nm	0.47	0.953	1.66	2.29
Stall current	I_{sT}	A	21.82	51.43	75.00	102.86
Rated torque	T	Nm	0.11	0.22	0.32	0.44
Rated speed	n	rpm	4000	4000	4000	4000
Rated current	I	A	1.9	3.3	4.8	6.6
Slope of n/M curve	$\Delta n / \Delta T$	rpm/mNm	11.1	5.5	3.1	2.3
Torque constant	K_T	mNm/A	73.5	78.7	80	80
Back-EMF constant	K_E	mV/rpm	7.69	8.24	8.37	8.37
Rotor Inertia	J_R	gcm^2	75	119	173	210
Weight		kg	0.5	0.75	1	1
Length	L	mm	61.5	81.5	101.5	121.5
Operational conditions*						
Temperature range	T	°C	-10 to +40			
Axial force dynamic	F_{Adyn}	N	100			
Axial force static	F_{St}	N	1370			
Radial force at 3 mm from mounting face	F_R	N	80			

* at 25° C

Insulation Class	B
Protection class	IP 40
Bearings	2 ball bearings
Commutation	Hallsensor

Dimension (mm) · 60ZWX:

