

BLDC Motor · 57ZX- · 57 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			57ZX01	57ZX02	57ZX03
Rated voltage	U	V	36	36	36
Terminal resistance	R	Ohm	1.65	0.7	0.48
No load speed	n_0	rpm	5200	5200	5200
Stall torque	T_s	Nm	0.43	0.95	1.39
Stall current	I_{st}	A	21.82	51.43	75.00
Rated torque	T	Nm	0.11	0.22	0.32
Rated speed	n	rpm	4000	4000	4000
Rated current	I	A	1.9	3.3	4.8
Slope of n/M curve	$\Delta n / \Delta T$	rpm/mNm	12.0	5.5	3.7
Torque constant	K_T	mNm/A	73.5	78.7	80.0
Back-EMF constant	K_E	mV/rpm	7.69	8.24	8.37
Rotor Inertia	J_R	gcm ²	75	119	173
Weight		kg	0.5	0.75	1
Length	L	mm	56	76	96
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) · 57ZX:

