

BLDC Motor · 80ZWX- · 80 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			80ZWX01	80ZWX02	80ZWX03
Rated voltage	U	V	36	36	36
Terminal resistance	R	Ohm	0.4	0.23	0.17
No load speed	n_0	rpm	3800	3650	3500
Stall torque	T_s	Nm	3.04	5.68	8.75
Stall current	I_{sT}	A	90	156.5	211.8
Rated torque	T	Nm	0.4	0.7	1.0
Rated speed	n	rpm	3300	3200	3100
Rated current	I	A	8.5	13.5	17.5
Slope of n/M curve	$\Delta n / \Delta T$	rpm/mNm	1.3	0.6	0.4
Torque constant	K_T	mNm/A	59	62	65
Back-EMF constant	K_E	mV/rpm	6.2	6.5	6.8
Rotor Inertia	J_R	gcm ²	780	1100	1400
Weight		kg	2	2.8	3.6
Length	L	mm	103	123	143
Operational conditions*					
Temperature range	T	°C	-10 to +40		
Axial force dynamic	F_{Adyn}	N	150		
Axial force static	F_{St}	N	2360		
Radial force at 3 mm from mounting face	F_R	N	250		

* at 25° C

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

Dimension (mm) · 80ZWX:

