

## BLDC Motor · 62ZWX- · 62 mm

**Specifications** Please consult your authorized sales representative for custom specifications.

Type			62ZWX01	62ZWX02	62ZWX03
Rated voltage	U	V	36	36	36
Terminal resistance	R	Ohm	0.57	0.24	0.13
No load speed	$n_0$	rpm	3900	3700	3700
Stall torque	$T_s$	Nm	1.23	2.11	3.44
Stall current	$I_{st}$	A	63.16	150.0	276.92
Rated torque	T	Nm	0.22	0.4	0.65
Rated speed	n	rpm	3200	3000	3000
Rated current	I	A	4.5	7.1	12.7
Slope of n/M curve	$\Delta n / \Delta T$	rpm/mNm	3.2	1.8	1.1
Torque constant	$K_T$	mNm/A	62	65	61
Back-EMF constant	$K_E$	mV/rpm	6.49	6.8	6.38
Rotor Inertia	$J_R$	gcm <sup>2</sup>	190	375	558
Weight		kg	0.9	1.3	1.8
Length	L	mm	64	84	104
<b>Operational conditions*</b>					
Temperature range	T	°C	-10 to +40		
Axial force dynamic	$F_{A_{dyn}}$	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) · 62ZWX:

