

# BLDC Motor · 130ZWX- · $\varnothing$ 130 mm

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

Type			130ZWX01	130ZWX02	130ZWX03
Rated voltage	U	V	48	48	48
Terminal resistance	R	Ohm	0.84	0.46	0.31
No load speed	$n_0$	rpm	1760	1760	1760
Stall torque	$T_s$	Nm	13.5	27	40.6
Stall current	$I_{st}$	A	57.14	104.35	154.84
Rated torque	T	Nm	2	4	6
Rated speed	n	rpm	1500	1500	1500
Rated current	I	A	9	17	25
Slope of n/M curve	$\Delta n / \Delta T$	rpm/mNm	0.13	0.07	0.04
Torque constant	$K_T$	mNm/A	259	259	259
Back-EMF constant	$K_E$	mV/rpm	27.1	27.1	27.1
Rotor Inertia	$J_R$	gcm <sup>2</sup>	5800	10000	13600
Weight		kg	5.2	7.6	10
Length	L	mm	105	135	165
<b>Operational conditions*</b>					
Temperature range	T	°C	-10 to +40		
Axial force dynamic	$F_{Adyn}$	N	200		
Axial force static	$F_{St}$	N	7800		
Radial force at 3 mm from mounting face	$F_R$	N	500		

\* at 25° C

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

## Dimension (mm) · 130ZWX:

