

BLDC Motor · 110ZWX- · 110 mm

Specifications Please consult your authorized sales representative for custom specifications.

Type			110ZWX01	110ZWX02	110ZWX03	110ZWX04
Rated voltage	U	V	300	300	300	300
Terminal resistance	R	Ohm	5	2.46	1.7	1.3
No load speed	n_0	rpm	2830	2830	2770	2830
Stall torque	T_s	Nm	15.6	31.1	34.6	62.3
Stall current	I_{ST}	A	60	121.95	176.47	230.77
Rated torque	T	Nm	1.65	3.3	5	6.6
Rated speed	n	rpm	2530	2530	2370	2530
Rated current	I	A	2	3.5	5.1	6.7
Slope of n/M curve	$\Delta n / \Delta T$	rpm/mNm	0.18	0.09	0.08	0.05
Torque constant	K_T	mNm/A	1090	1090	1010	1090
Back-EMF constant	K_E	mV/rpm	114	114	116	114
Rotor Inertia	J_R	gcm ²	2200	4400	6200	8800
Weight		kg	2.6	4.9	7.2	9.5
Length	L	mm	83	113	143	173
Operational conditions*						
Temperature range	T	°C	-10 to +40			
Axial force dynamic	F_{Adyn}	N	180			
Axial force static	F_{St}	N	6550			
Radial force at 3 mm from mounting face	F_R	N	400			

* at 25° C

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

Dimension (mm) · 110ZWX:

