

# BLDC Motor · B3336NH2B- · $\varnothing$ 33 mm

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

Type	315-12.0-001		
Rated voltage	U	V	12
Terminal resistance	R	Ohm	0.26
No load speed	$n_0$	rpm	31500
No load current	$I_0$	mA	300
Stall torque	$T_s$	mNm	166
Rated torque	T	mNm	13.4
Rated speed	n	rpm	28900
Rated current	I	mA	4000
Power	$P_{max.}$	W	138
Max. efficiency	$\eta$	%	85
Back-EMF constant	$K_E$	mV/rpm	0.38
Torque constant	$K_T$	mNm/A	3.62
Rotor inertia	$J_{Rotor}$	$gcm^2$	7.0
Speed regulation constant	$\Delta n / \Delta T$	rpm/mNm	189
Weight		g	105
Length	L	mm	35.5
<b>Operational conditions*</b>			
Temperature range	T	°C	-20 ~ +100
Axial force dynamic	$F_{Adyn}$	N	5
Axial force static	$F_{St}$	N	50
Radial force at 3 mm from mounting face	$F_R$	N	3

\* at 25° C

Commutation	Hallsensor
Max. winding temperature	130 °C
Protection class	IP 40
Bearings	2 Ball bearings

## Dimension (mm) · B3336NH2B:

