



BLDC motor with quiet running characteristics, high acceleration rates, a long service life and speeds of up to 1400 rpm. By mounting an encoder, this motor can be expanded into a high-performance servo motor for high speed ranges. For higher torques and a wider performance range we offer planetary gearboxes.

If use DB42C02 series with a gearbox, the motor speed must not exceed the maximum input speed of the gearbox.

Technical parameters

Flange	42 mm	Weight	0.75 kg
Size	NEMA 17	Rated voltage	48 V
Rated power	147 W	Peak torque	30 Ncm
Rated current	3.57 A	Peak current	10.71 A
Rated speed	14000 rpm	Torque constant	2.8 Ncm/A
Rotor inertia	89 gcm ²	Line to line resistance	0.2 Ohm
Line to line inductance	0.32 mH	Length	100 mm

Dimensions

