



## | HOUSED BRUSHLESS DC (BLDC) MOTORS

### Introduction

BEI Kimco's permanent magnet housed brushless DC motors have proven to be the most reliable and cost effective solutions for some of the most demanding medical, industrial, military and aerospace applications. We offer a wide range of electrical and mechanical interface options to support the most efficient integration of our products within our customer's assembly. Our proprietary design algorithms allow us to fine tune the motor's magnetic circuit to achieve a desirable balance between torque, speed and thermal performance.



### Features

- Precision high speed balanced rotor assemblies for smooth operation
- Precision ball bearings for improved life and reliability
- Low cogging options for reduced vibration
- Proprietary low loss magnetic circuit designs
- Patented audible noise reduction techniques

### SPECIFICATIONS

Part Number	Peak Torque (N-m / oz-in)	Continuous Stall Torque (N-m / oz-in)	Motor Constant (N-m/ $\sqrt{\text{watts}}$ ) / (oz-in/ $\sqrt{\text{watts}}$ )	Weight (g / oz)
DIH11-19-BDNA	0.056 / 8	0.025 / 3.5	0.007 / 1.1	87.9 / 3.1
DIH14-20-BDYA	0.105 / 15	0.042 / 6	0.014 / 1.95	170.1 / 6
DIH18-14-BBNA	0.085 / 12	0.03 / 4.3	0.007 / 1.1	147.4 / 5.2
DIH23-13-BDNA	0.17 / 24	0.055 / 7.8	0.017 / 2.5	229.6 / 8.1
DIH23-16-BDNA	0.28 / 40	0.11 / 16.2	0.034 / 4.76	317.5 / 11.2
DIH23-19-BDNA	0.35 / 50	0.157 / 22.3	0.044 / 6.22	413.9 / 14.6
DIH23-22-BDNA	0.56 / 80	0.21 / 30	0.051 / 7.2	527.3 / 186
DIH23-25-001A	0.7 / 100	0.22 / 32	0.055 / 7.8	510.3 / 18
DIH23-30-007A	1.76 / 250	0.38 / 54	0.095 / 13.5	793.8 / 28
DIN34-32-CDYA	2.47 / 350	0.95 / 135	0.164 / 23.3	1871.1 / 66

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