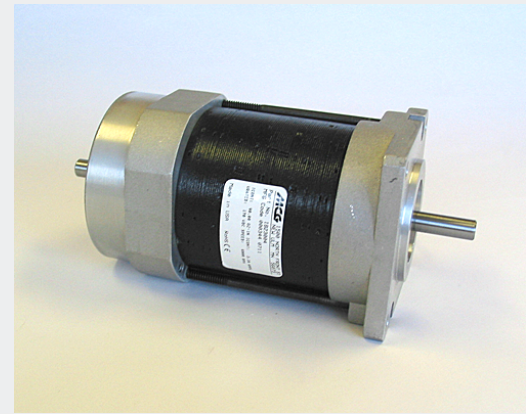
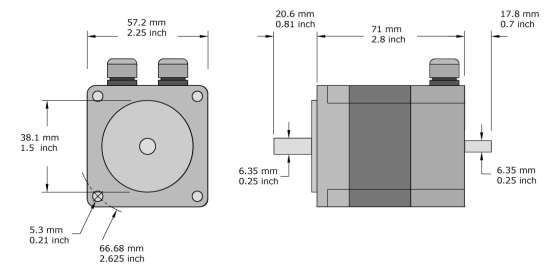
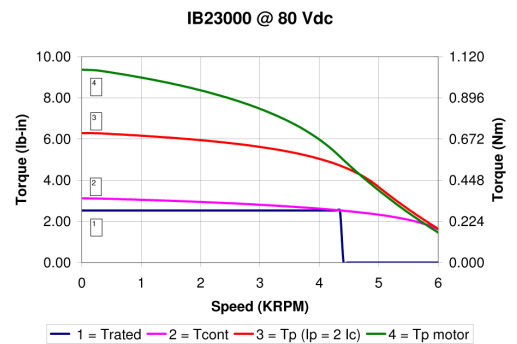
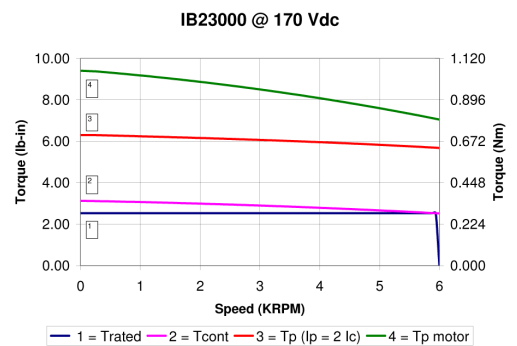


- Designed with medium to high K_e to accommodate low and high buss voltage application
- Voltage rating up to 170 Vdc for offline drives
- TENV and IP54 environmental construction
- CE, UL & cUL (E192702) Agency Approval
- Compact, optical encoders and cover (optional)
- External NEMA 23 24Vdc holding brake (optional)
- Precision servo and power transmission gearing (optional)



Ratings	Symbol		Units
Continuous Stall Torque	Tcs	0.354 (3.13)	Nm (lb-in)
Peak Stall Torque	Tps	1.063 9.41	Nm (lb-in)
No Load Max. Speed	ω_{nl}	6000	RPM
Continuous Rated Torque	Tcr	0.286 (2.53)	Nm (lb-in)
Peak Rated Torque	Tpr	0.572 (5.06)	Nm (lb-in)
Rated Speed	ω_{rated}	6000	RPM
Rated Power	W (HP)	179 (0.24)	Watts (HP)
Inductance L-L	L	1.60	mH
Resistance L-L	R	2.09	ohms
Max. Terminal Voltage	V dc	170	Vdc
WINDING			
SINUSOIDAL AC VALUES			
Current at Cont. Stall Torque, o-p	A rms	3.01	Amp
Current at Peak Torque, o-p	A peak	12.75	Amp
Torque Constant L-L	Kt rms	0.079 (0.70)	Nm/A rms (lb-in/A)
Voltage Constant L-L	K_e rms	0.08 (8.34)	V/rad/sec (V/kRPM)
TRAPEZOIDAL DC VALUES			
Current at Cont. Stall Torque, o-p	A dc	4.25	Amp
Current at Peak Torque, o-p	A dc	12.75	Amp
Torque Constant L-L	Kt dc	0.107 (0.95)	Nm/A (lb-in/A)
Voltage Constant L-L	K_e dc	0.107 (11.20)	V/rad/sec (V/kRPM)
MECHANICAL			
Max. Axial Shaft Load	Fa	26.69 (6.00)	N (lb)
Max. Radial Shift Load	Fr	71.17 (16.00)	N (lb)
Motor Constant, L-L Trapezoidal	Km	0.08 (0.69)	Nm/ \sqrt{w} (lb-in/ \sqrt{w})
Motor Inertia	Jm	0.00001342 (0.0001188)	Kg-m ² (lb-in-s ²)
Motor Weight		0.662 (1.46)	Kg (lb)
Thermal Resistance	Rth	1.90	°C/Watt
Thermal Time Constant	TTC	20.00	min
Max. Winding Temperature	Tw	125	°C



*Test conditions: Motor operated at rated winding temperature, mounted to an aluminum heat-sink.
Aluminum Heat-sink: 10 x 10 x 1/4



MOTION CONTROL GROUP

888-624-3478 (U.S. & Canada)
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sales@motioncontrolgroup.com

Configure Order Number

GEAR BOXES					BRAKE		MOTOR						FEEDBACK						
					-			-	I	B							-		

Standard motor assemblies can be configured using the catalog number format above and motor options listed below.

Motor options are typically stocked as separate components and can be quickly assembled to order.

Cables and connector kits are motor accessories and ordered as separate items.

Examples of configured motor assemblies:

IB23000-Q1 - IB23000 Motor with 1000 Line Encoder, 5 Vdc 3Ch w/ Line Driver

B5-IB34002-CH - IB34002 Motor, B5 Brake and 5000 Line Commutation Encoder, 5 Vdc 6 Ch w/ LD

G3010-IB23831-H1 - IB23831 Motor, G3010 10:1 Gearbox and 500 Line Encoder, 5 Vdc 3 Ch

Contact MCG for any required special features not listed here.

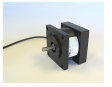
MOTOR OPTIONS

Brakes

Holding Brakes - Eternal "Bolt-On" Mounting

B3

Brake, 24 Vdc, NEMA 23 w/ 1/4 inch output shaft



Feedback

MOTOR ACCESSORIES

Cables & Connectors

Connector Kits - Power and Feedback

9700522

Mating Encoder Connector Kit, body and 8 crimp contacts (FE)



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