Motor Assembly Data for: DC040A-2 (2.07 V/krpm)

	I	0.0198	V/rad/s
Voltage Constant	K _E	2.07	V/krpm
Taurus Canatant	ν.	0.0198	Nm/A
Torque Constant	K _T	2.8	oz-in/A
Rated Voltage	V _r	12	VDC
Data d Taurus 1,3	T _r	1.5	Nm
Rated Torque ^{1,3}		212.8	oz-in
Rated Speed ^{1,3}	$\omega_{\rm r}$	32	rpm
Rated Current ^{1,3}	l _r	1.30	Α
Rated Power ^{1,3}	P _r	5	W
No-Load Speed ²	ω_{nl}	42	rpm
No-Load Current ²	I _{nl}	0.29	А
Resistance (L-L)	R _{mt}	2.17	Ohms
Inductance (L-L)	L	1.54	mH
Rotor Inertia	J _r	0.0000028	kg-m ²
		0.00039	oz-in-sec ²
Max Winding Temp	$\theta_{\sf max}$	155	°C
Hall Sensor Spacing		TBD (60 or 120)	°Elec
Poles		2	
Winding Configuration		N/A	
Direction of Rotation		Elec. Rev.	lead end
Weight	١٨/	440	g
	W _m	16	OZ

¹ Recorded at maximum winding temperature at 25 deg C ambient and without heat sink.

Gearbox Data for: G51A (127.8:1)

Rated Torque	1.2	Nm
	175	oz-in
Gear Ratio	127.8	
Efficiency	0.66	

Encoder Data for: None

Rated Voltage	N/A	VDC
Resolution	N/A	CPR
Output Channels	N/A	
Output Type	N/A	

Brake Data for: None

Rated Voltage	N/A	VDC
Rated Torque	N/A	Nm
	N/A	oz-in





MOTOR ELECTRICAL AND PERFORMANCE OUTLINE

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² Recorded at Rated Voltage.

³ Based on thermal limitations of motor only. See Maximum Speed and Gearbox Rated Torque if applicable for possible additional limitations.