

DB-5000 MATRIX SERIES SPECIFICATIONS

	oz-in	578	1207	2298	3444	4536	5644	6768	9024
	oz-in / W	22.2	42.5	71.6	97.3	118.0	137.0	155.0	186.0
		12	12	12	12	12	12	12	12
		3"Y"	3"Y"	3"Y"	3"Y"	3"Y"	3"Y"	3"Y"	3"Y"
	oz (nom)	31	48	74	104	135	165	200	255
	oz-in- δ	1.89E-02	3.84E-02	7.10E-02	1.04E-01	1.36E-01	1.69E-01	2.03E-01	2.68E-01
	oz-in	4.5	10	19	28	38	47	56	76
T	ms	1.4	2.5	3.7	4.5	5.1	5.5	5.9	6.3
T	ms	5.45	3.02	1.96	1.55	1.38	1.27	1.20	1.10
	°C / W	2.7	2.3	1.7	1.4	1.2	1.0	0.9	0.8
		No	No	No	No	No	No	No	No

Specification	Units	DB-5000 A-1ES	DB-5000 B-1ES	DB-5000 C-1ES	DB-5000 D-1ES	DB-5000 E-1ES	DB-5000 F-1ES	DB-5000 G-1ES	DB-5000 H-1ES
	oz-in/amp \pm 10%	72	151	287	430	567	705	846	1128
	V per rad/s \pm 10%	0.509	1.07	2.03	3.04	4.00	4.98	5.97	7.97
	ohms \pm 10%	10.6	12.6	16.1	19.6	23.0	26.5	29.9	36.8
	mH \pm 30%	14	32	60	89	118	147	175	233
	Impedance, V volts	84.6	101	129	156	184	212	239	295
	amps	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0

*TPR as listed on the data sheets, is for an un-mounted condition unless otherwise noted. Mounted TPR values are often 50% or less than the un-mounted TPR. For air flow, the TPR may be less than 25% the un-mounted value. Many factors affect the TPR value and its change relative to the mounting or external cooling applied. Consult the factory for an more accurate estimate of the motor's TPR.
 **Stack lengths from 0.25 to 10.00 inches (6.35 to 254 mm) 2400 RPM/amp Consult factory for additional designs. Refer to our online documentation for product updates.

MECHANICAL DIMENSIONS (INCHES)

MOUNTING DIMENSIONS

Modular	"A" Inches	"B" Inches
DB-5000-A-1ES	.250	.300
DB-5000-B-1ES	.550	.600
DB-5000-C-1ES	1.050	1.100
DB-5000-D-1ES	1.550	1.600
DB-5000-E-1ES	2.050	2.100
DB-5000-F-1ES	2.550	2.610
DB-5000-G-1ES	3.050	3.125
DB-5000-H-1ES	4.050	4.125

Dimensions and tolerances are in accordance with ASME Y14.5 - 1994