TE **24** Volts DC 2 Poles

MET PMDC Motor Design

DC Motor Designer (12-03-07

Printed: 12/20/2007

Customer: **Typical Performance Ref (web)** Model: **3A-2406162-ww1** Rev: **-** Designed by: **Kyle Larson**

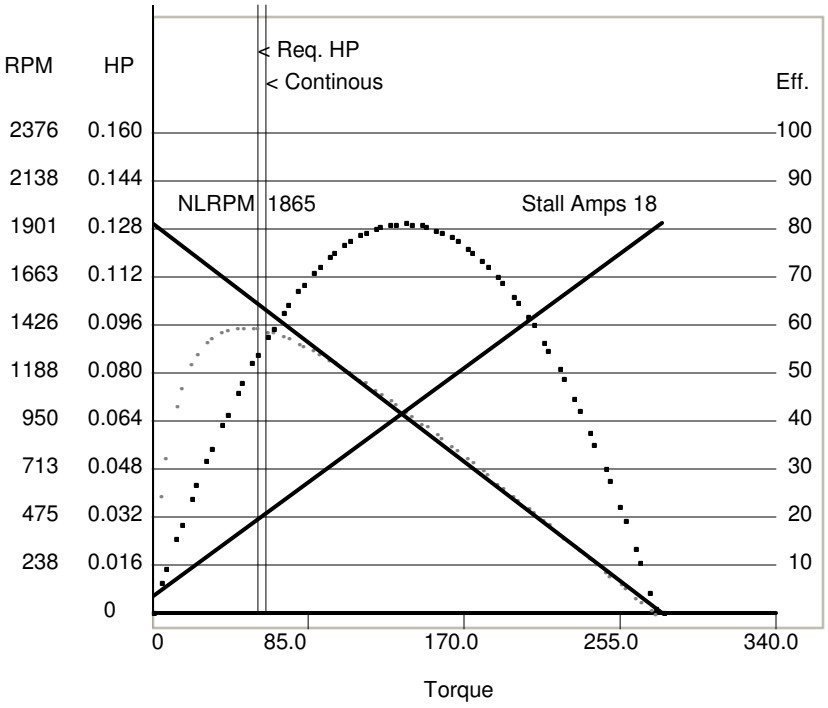
Dwg #: 3017000A01

COLD

Magnet: **22** deg C Copper: **22** deg C

Stall Current: **16.2** Stall Torque: **277.8** Oz-in KT: **16.14** Oz-In/Amps KE: **13.23** Volts/KRPM Resistance: **1.4671** Ohms

HP	Torque	Speed	Amps	Eff	Duty
NL	0	1865	.75	0	CONT.
.009	4	1817	1.0	26.1	3.1
.013	7	1800	1.1	34.0	2.7
.017	9	1783	1.3	40.1	2.4
.022	12	1766	1.5	44.8	2.1
.026	15	1748	1.6	48.5	1.9
.030	17	1730	1.8	51.5	1.7
.035	20	1711	2.0	53.9	1.6
.039	23	1692	2.1	55.7	1.5
.044	26	1673	2.3	57.2	1.4
.048	29	1653	2.5	58.4	1.3
.052	32	1632	2.7	59.3	1.2
.057	35	1611	2.9	60.0	1.1
.061	38	1589	3.1	60.5	1.
.065	42	1567	3.3	60.7	55 MIN.
.070	45	1544	3.5	60.9	48 MIN.
.074	49	1519	3.7	60.8	43 MIN.
.078	52	1494	4.0	60.7	38 MIN.
.083	56	1467	4.2	60.4	34 MIN.
.087	**60**	**1440**	**4.5**	**59.9**	**30 MIN.**



(Approx. 230 RPM per horizontal line.)

HOT

Magnet: **30** deg C Copper: **50** deg C

Stall Current: **14.6** Stall Torque: **247.1** Oz-in KT: **15.90** Oz-In/Amps KE: **13.03** Volts/KRPM Resistance: **1.626** Ohms

HP	Torque	Speed	Amps	Eff
NL	0	1933	.75	0
.009	4	1878	1.0	26.0
.013	7	1859	1.1	34.1
.017	9	1840	1.3	40.2
.022	12	1820	1.5	45.0
.026	14	1800	1.6	48.7
.030	17	1780	1.8	51.7
.035	19	1758	2.0	54.1
.039	22	1737	2.1	56.0
.044	25	1714	2.3	57.4
.048	28	1691	2.5	58.6
.052	31	1668	2.7	59.4
.057	34	1643	2.9	60.0
.061	38	1617	3.1	60.4
.065	41	1591	3.3	60.6
.070	44	1563	3.5	60.6
.074	48	1534	3.8	60.5
.078	52	1504	4.0	60.1
.083	56	1471	4.3	59.7
.087	**61**	**1437**	**4.5**	**59.0**

Notes:

Performance specs provided are computer calculated values from MET's in-house motor design program. The data represents general performance characteristics the motor design typically produces. Data is subject to change without notice.

EC 60/23 B MC79 323-00030-00 Int 10-3 S 0.875 F 0.46900002002716 HA 2466 FM .33/.33 DM 26.4

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