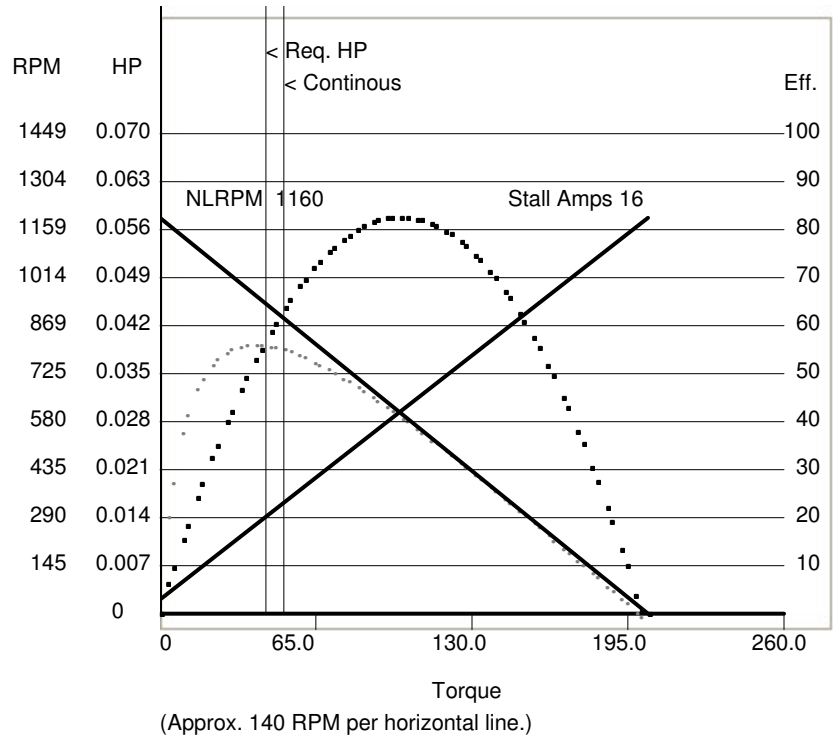


Customer: **MET Inventory 12vdc running** Model: **3A-241119WC** Rev: **A** Designed by: **Nate Herbeck**
 Dwg #: 3000012A00

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

Stall Current: **14.5** Stall Torque: **203.0** Oz-in KT: **13.18** Oz-In/Amps KE: **10.81** Volts/KRPM Resistance: **.8083** Ohms

HP	Torque	Speed	Amps	Eff	Duty
NL	0	1160	.90	0	CONT.
.004	3	1129	1.1	21.9	4.5
.006	5	1118	1.2	29.3	4.
.008	7	1108	1.4	35.1	3.6
.010	9	1097	1.5	39.8	3.3
.012	11	1085	1.7	43.7	3.
.014	13	1074	1.8	46.8	2.7
.016	15	1062	2.0	49.4	2.5
.018	17	1050	2.1	51.5	2.3
.020	19	1038	2.3	53.2	2.2
.022	21	1025	2.5	54.6	2.
.024	23	1012	2.6	55.8	1.9
.026	26	999	2.8	56.6	1.8
.028	28	985	3.0	57.3	1.7
.030	31	971	3.2	57.8	1.6
.032	33	956	3.4	58.1	1.5
.034	36	941	3.6	58.3	1.4
.036	39	924	3.8	58.3	1.3
.038	42	908	4.0	58.1	1.3
.040	45	890	4.3	57.8	1.2



HOT Magnet: **40** deg C Copper: **60** deg C

Stall Current: **12.7** Stall Torque: **171.5** Oz-in KT: **12.73** Oz-In/Amps KE: **10.44** Volts/KRPM Resistance: **0.9271** Ohms

HP	Torque	Speed	Amps	Eff
NL	0	1204	.90	0
.004	3	1166	1.1	21.3
.006	5	1154	1.3	28.5
.008	7	1141	1.4	34.3
.010	8	1128	1.6	38.9
.012	10	1114	1.7	42.7
.014	12	1100	1.9	45.7
.016	14	1086	2.0	48.2
.018	16	1071	2.2	50.3
.020	19	1056	2.3	51.9
.022	21	1041	2.5	53.2
.024	23	1024	2.7	54.3
.026	26	1008	2.9	55.0
.028	28	990	3.1	55.5
.030	31	972	3.3	55.8
.032	33	952	3.5	55.9
.034	36	932	3.7	55.9
.036	39	910	4.0	55.6
.038	43	887	4.2	55.1
.040	46	861	4.5	54.4

Notes:

This is motor design ran at 12vdc

Caution: Inrush currents greater than 28 Amps may weaken motor performance. A current limit control is recommended.