

Customer: **Typical Performance Ref (web)**

Model: **3A-9012252-ww1**

Rev: -

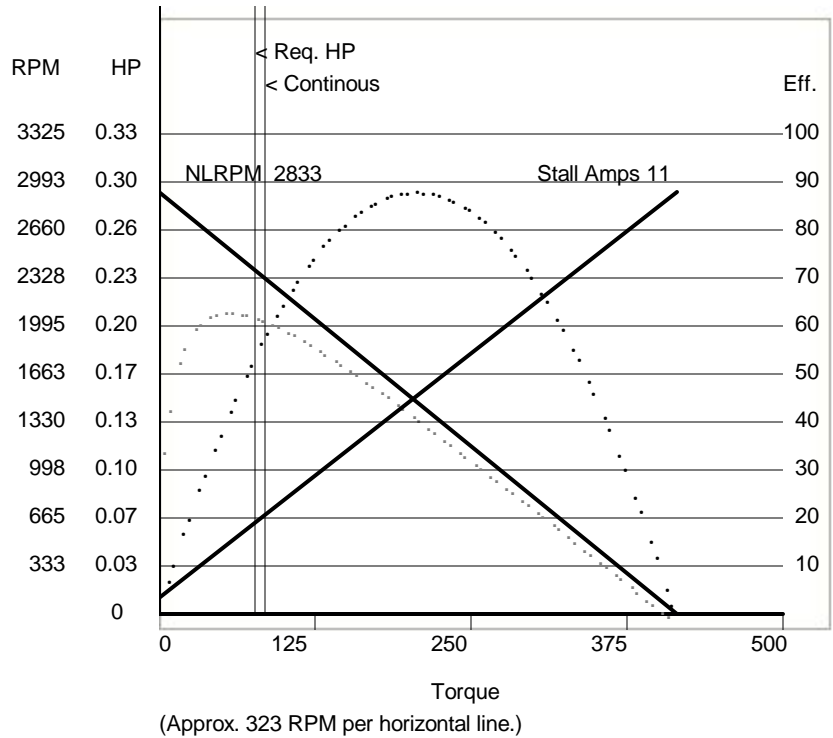
Designed by: **Kyle Larson**

Dwg #:

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

Stall Current: **10** Stall Torque: **415** Oz-in KT: **38.52** Oz-In/Amps KE: **31.57** Volts/KRPM Resistance: **8.5420** Ohms

HP	Torque	Speed	Amps	Eff	Duty
NL	0	2833	0.3	0	CONT.
0.02	6	2770	.4	36.1	3.9
0.03	10	2747	.5	44.7	3.2
0.04	13	2724	.6	50.6	2.7
0.04	17	2700	.7	54.9	2.4
0.05	20	2677	.8	58.0	2.1
0.06	24	2652	.9	60.4	1.9
0.07	27	2627	.9	62.1	1.7
0.08	31	2602	1.0	63.5	1.5
0.09	35	2576	1.1	64.4	1.4
0.10	39	2550	1.2	65.1	1.3
0.11	43	2523	1.3	65.6	1.2
0.12	47	2495	1.5	65.9	1.1
0.12	51	2466	1.6	66.1	1.
0.13	55	2437	1.7	66.1	54 MIN.
0.14	60	2407	1.8	66.0	48 MIN.
0.15	64	2376	1.9	65.8	42 MIN.
0.16	69	2344	2.0	65.4	37 MIN.
0.17	74	2311	2.2	65.0	33 MIN.
0.18	79	2276	2.3	64.5	29 MIN.



HOT Magnet: **50** deg C Copper: **70** deg C

Stall Current: **9** Stall Torque: **337** Oz-in KT: **36.46** Oz-In/Amps KE: **29.89** Volts/KRPM Resistance: **10.1286** Ohms

HP	Torque	Speed	Amps	Eff
NL	0	2997	0.3	0
0.02	6	2917	.4	34.7
0.03	9	2889	.5	43.2
0.04	13	2861	.6	49.1
0.04	16	2831	.7	53.4
0.05	19	2801	.8	56.5
0.06	23	2771	.9	58.8
0.07	26	2739	1.0	60.5
0.08	30	2707	1.1	61.8
0.09	34	2674	1.2	62.7
0.10	37	2640	1.3	63.3
0.11	41	2605	1.4	63.7
0.12	45	2568	1.5	63.9
0.12	50	2531	1.6	63.8
0.13	54	2492	1.7	63.7
0.14	59	2452	1.9	63.4
0.15	63	2409	2.0	62.9
0.16	68	2365	2.1	62.4
0.17	74	2318	2.3	61.7
0.18	79	2269	2.4	60.8

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.

Caution: Inrush currents greater than 8 Amps may weaken motor performance. A current limit control is recommended.