

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

Model: **3A-A008322-ww1**

Rev: -

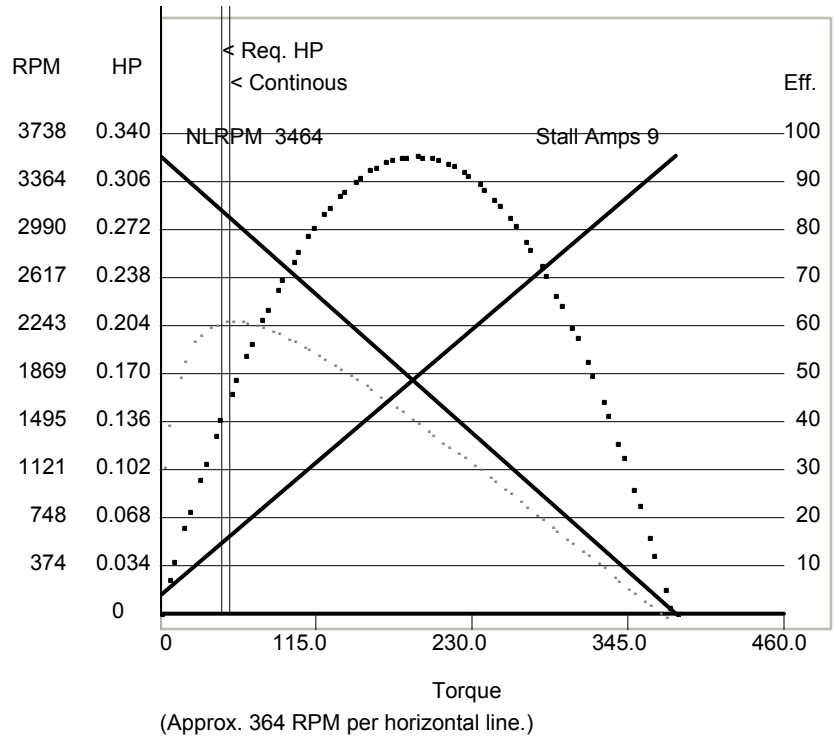
Designed by: **Kyle Larson**

Dwg #: 301-7001A-08

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

Stall Current: **9.5** Stall Torque: **380.6** Oz-in KT: **40.21** Oz-In/Amps KE: **32.96** Volts/KRPM Resistance: **12.9417** Ohms

HP	Torque	Speed	Amps	Eff	Duty
NL	0	3464	.27	0	CONT.
.014	4	3399	.3	26.3	2.9
.021	6	3380	.4	34.2	2.5
.028	8	3360	.4	40.3	2.2
.035	10	3341	.5	45.0	2.
.042	12	3321	.5	48.7	1.8
.049	15	3301	.6	51.7	1.6
.056	17	3280	.6	54.2	1.5
.063	19	3260	.7	56.2	1.4
.070	21	3239	.7	57.9	1.3
.077	24	3217	.8	59.3	1.2
.084	26	3196	.9	60.5	1.1
.091	28	3174	.9	61.4	1.
.098	31	3152	1.0	62.2	58 MIN.
.105	33	3129	1.0	62.9	51 MIN.
.112	36	3106	1.1	63.4	46 MIN.
.119	38	3083	1.2	63.8	41 MIN.
.126	41	3059	1.2	64.1	37 MIN.
.133	44	3035	1.3	64.3	33 MIN.
<b>.140</b>	<b>46</b>	<b>3010</b>	<b>1.4</b>	<b>64.5</b>	<b>30 MIN.</b>



**HOT** Magnet: **60** deg C Copper: **90** deg C

Stall Current: **7.6** Stall Torque: **283.5** Oz-in KT: **37.30** Oz-In/Amps KE: **30.57** Volts/KRPM Resistance: **16.3472** Ohms

HP	Torque	Speed	Amps	Eff
NL	0	3739	.27	0
.014	3	3647	.3	24.6
.021	5	3621	.4	32.3
.028	7	3594	.4	38.2
.035	9	3568	.5	42.8
.042	12	3540	.5	46.5
.049	14	3513	.6	49.5
.056	16	3484	.7	51.9
.063	18	3456	.7	53.9
.070	20	3426	.8	55.5
.077	22	3397	.8	56.9
.084	25	3366	.9	58.0
.091	27	3335	1.0	58.9
.098	29	3304	1.0	59.6
.105	32	3271	1.1	60.1
.112	34	3238	1.2	60.5
.119	37	3204	1.2	60.8
.126	40	3169	1.3	61.0
.133	42	3134	1.4	61.1
<b>.140</b>	<b>45</b>	<b>3097</b>	<b>1.4</b>	<b>61.1</b>

**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 9 Amps may weaken motor performance. A current limit control is recommended.