

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

Model: **3A-1208165-ww1**

Rev: -

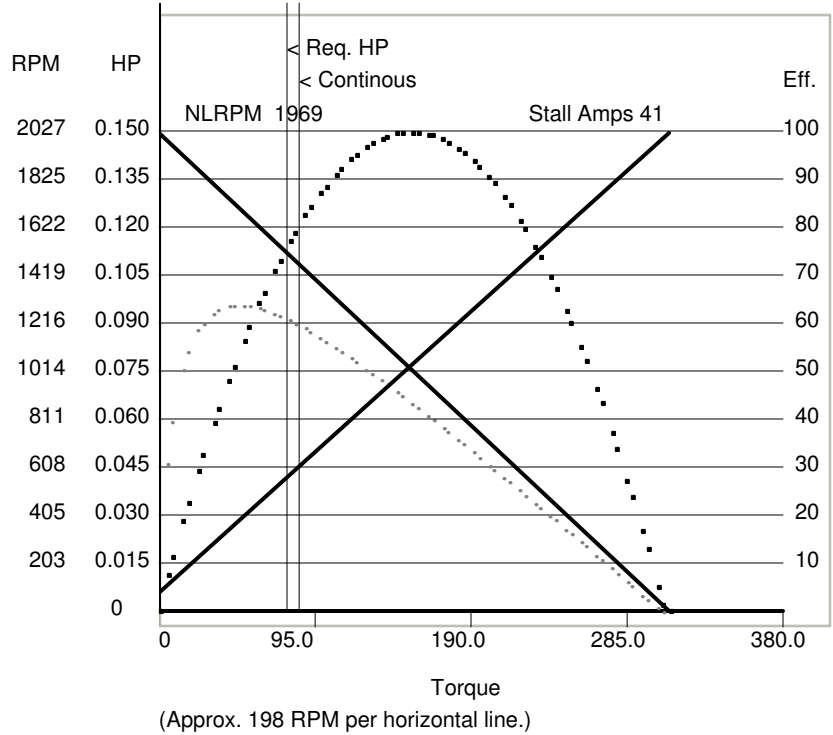
Designed by: **Kyle Larson**

Dwg #:

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

Stall Current: **37.4** Stall Torque: **310.8** Oz-in KT: **7.80** Oz-In/Amps KE: **6.40** Volts/KRPM Resistance: **.2969** Ohms

| HP          | Torque    | Speed       | Amps         | Eff         | Duty           |
|-------------|-----------|-------------|--------------|-------------|----------------|
| NL          | 0         | 1969        | 1.19         | 0           | CONT.          |
| .011        | 6         | 1916        | 1.9          | 36.5        | 4.2            |
| .017        | 9         | 1896        | 2.3          | 45.5        | 3.5            |
| .023        | 12        | 1876        | 2.7          | 51.7        | 3.             |
| .029        | 15        | 1856        | 3.1          | 56.1        | 2.6            |
| .034        | 18        | 1835        | 3.5          | 59.4        | 2.3            |
| .040        | 22        | 1813        | 4.0          | 61.8        | 2.             |
| .046        | 25        | 1791        | 4.4          | 63.5        | 1.8            |
| .051        | 29        | 1768        | 4.9          | 64.8        | 1.6            |
| .057        | 32        | 1744        | 5.3          | 65.7        | 1.5            |
| .063        | 36        | 1720        | 5.8          | 66.3        | 1.4            |
| .068        | 40        | 1695        | 6.3          | 66.6        | 1.3            |
| .074        | 44        | 1669        | 6.9          | 66.7        | 1.2            |
| .080        | 49        | 1642        | 7.4          | 66.6        | 1.1            |
| .086        | 53        | 1614        | 8.0          | 66.3        | 1.             |
| .091        | 58        | 1585        | 8.6          | 65.9        | 53 MIN.        |
| .097        | 62        | 1554        | 9.2          | 65.3        | 46 MIN.        |
| .103        | 68        | 1521        | 9.8          | 64.5        | 40 MIN.        |
| .108        | 73        | 1486        | 10.59        | 63.6        | 35 MIN.        |
| <b>.114</b> | <b>79</b> | <b>1449</b> | <b>11.34</b> | <b>62.5</b> | <b>30 MIN.</b> |



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

Stall Current: **34.0** Stall Torque: **278.1** Oz-in KT: **7.68** Oz-In/Amps KE: **6.30** Volts/KRPM Resistance: **0.329** Ohms

| HP          | Torque    | Speed       | Amps         | Eff         |
|-------------|-----------|-------------|--------------|-------------|
| NL          | 0         | 2005        | 1.19         | 0           |
| .011        | 5         | 1945        | 1.9          | 36.2        |
| .017        | 9         | 1923        | 2.3          | 45.1        |
| .023        | 12        | 1900        | 2.7          | 51.3        |
| .029        | 15        | 1877        | 3.1          | 55.7        |
| .034        | 18        | 1853        | 3.6          | 58.9        |
| .040        | 22        | 1828        | 4.0          | 61.2        |
| .046        | 25        | 1803        | 4.5          | 62.9        |
| .051        | 29        | 1777        | 4.9          | 64.1        |
| .057        | 32        | 1750        | 5.4          | 64.8        |
| .063        | 36        | 1722        | 5.9          | 65.3        |
| .068        | 40        | 1693        | 6.4          | 65.5        |
| .074        | 44        | 1662        | 7.0          | 65.4        |
| .080        | 49        | 1630        | 7.6          | 65.2        |
| .086        | 54        | 1597        | 8.2          | 64.7        |
| .091        | 58        | 1561        | 8.8          | 64.0        |
| .097        | 64        | 1523        | 9.5          | 63.2        |
| .103        | 69        | 1482        | 10.27        | 62.1        |
| .108        | 75        | 1437        | 11.08        | 60.8        |
| <b>.114</b> | <b>82</b> | <b>1388</b> | <b>11.97</b> | <b>59.2</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.