

Dynamic Test

company: GOLDEN MOTOR

Type: HPM72-10000

rated U: 72 V

No. : G20130522004

rated I: 160 A

Operator: 001

rated P. : 10000 W

Date: 2013-5-22

rated N: 3500 RPM

| Items NO. | voltage V | current A | P. input W | P. factor PF | frequency Hz | torque mN.m | rotate rpm | P. output W | efficiency % |
|-----------|-----------|-----------|------------|--------------|--------------|-------------|------------|-------------|--------------|
| 1 | 71.83 | 7.297 | 524.11 | 1.000 | 0.00 | 468.0 | 4659 | 228.32 | 43.6 |
| 2 | 71.82 | 7.606 | 546.28 | 1.000 | 0.00 | 357.5 | 4658 | 174.37 | 31.9 |
| 3 | 71.81 | 9.103 | 653.73 | 1.000 | 0.00 | 147.5 | 4647 | 71.77 | 11.0 |
| 4 | 71.79 | 12.522 | 898.97 | 1.000 | 0.00 | 805.0 | 4621 | 389.52 | 43.3 |
| 5 | 71.75 | 18.159 | 1302.97 | 1.000 | 0.00 | 1917.5 | 4580 | 919.60 | 70.6 |
| 6 | 71.70 | 25.740 | 1845.49 | 1.000 | 0.00 | 3242.5 | 4525 | 1536.37 | 83.3 |
| 7 | 71.64 | 34.868 | 2497.87 | 1.000 | 0.00 | 4772.5 | 4460 | 2228.83 | 89.2 |
| 8 | 71.58 | 45.202 | 3235.65 | 1.000 | 0.00 | 6460.0 | 4388 | 2968.22 | 91.7 |
| 9 | 71.52 | 56.724 | 4056.79 | 1.000 | 0.00 | 8327.5 | 4320 | 3766.99 | 92.9 |
| 10 | 71.45 | 68.855 | 4919.31 | 1.000 | 0.00 | 10315.0 | 4251 | 4591.53 | 93.3 |
| 11 | 71.38 | 81.549 | 5820.60 | 1.000 | 0.00 | 12427.5 | 4181 | 5440.77 | 93.5 |
| 12 | 71.30 | 94.671 | 6750.04 | 1.000 | 0.00 | 14587.5 | 4114 | 6284.08 | 93.1 |
| 13 | 71.23 | 107.898 | 7685.30 | 1.000 | 0.00 | 16797.5 | 4052 | 7127.06 | 92.7 |
| 14 | 71.21 | 121.197 | 8630.78 | 1.000 | 0.00 | 18967.5 | 3996 | 7936.56 | 92.0 |
| 15 | 71.27 | 134.038 | 9552.52 | 1.000 | 0.00 | 21112.5 | 3949 | 8730.18 | 91.4 |
| 16 | 71.30 | 146.140 | 10419.78 | 1.000 | 0.00 | 23077.5 | 3910 | 9448.48 | 90.7 |
| 17 | 71.26 | 156.545 | 11155.40 | 1.000 | 0.00 | 24825.0 | 3872 | 10065.17 | 90.2 |
| 18 | 71.22 | 165.043 | 11754.33 | 1.000 | 0.00 | 26172.5 | 3842 | 10529.29 | 89.6 |
| 19 | 71.24 | 171.080 | 12187.74 | 1.000 | 0.00 | 27107.5 | 3825 | 10857.19 | 89.1 |
| 20 | 71.27 | 175.565 | 12512.52 | 1.000 | 0.00 | 27762.5 | 3816 | 11093.37 | 88.7 |
| 21 | 71.29 | 178.693 | 12738.54 | 1.000 | 0.00 | 28297.5 | 3809 | 11286.41 | 88.6 |
| 22 | 71.30 | 181.525 | 12942.28 | 1.000 | 0.00 | 28692.5 | 3803 | 11425.92 | 88.3 |
| 23 | 71.34 | 184.110 | 13134.41 | 1.000 | 0.00 | 29087.5 | 3800 | 11574.08 | 88.1 |
| 24 | 71.34 | 186.195 | 13284.08 | 1.000 | 0.00 | 29415.0 | 3797 | 11695.16 | 88.0 |
| 25 | 71.34 | 188.323 | 13433.99 | 1.000 | 0.00 | 29770.0 | 3791 | 11817.60 | 88.0 |
| 26 | 71.33 | 190.278 | 13572.49 | 1.000 | 0.00 | 30065.0 | 3787 | 11922.11 | 87.8 |
| 27 | 71.34 | 192.378 | 13724.21 | 1.000 | 0.00 | 30357.5 | 3783 | 12025.38 | 87.6 |

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|--------------|--------------|--------------|---------------|-----------------|-----------------|----------------|---------------|----------------|-----------------|
| 28 | 71.32 | 194.243 | 13854.35 | 1.000 | 0.00 | 30627.5 | 3779 | 12119.51 | 87.5 |
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