# 誘導電動機試験成績表
(TEST REPORT OF INDUCTION MOTOR)

御参考用

Nidec
All for dreams

ニデックテクノモータ株式会社
NIDEC TECHNO MOTOR CORPORATION

製作番号 Our Order No. ＿＿＿＿＿＿　製造番号 Serial No. ＿＿＿＿＿＿

機械番号 Item No. ＿＿＿＿＿＿　台　数 No. of Sets ＿＿＿＿＿＿

| 形式 Type | 出力 Output (kW) | 極数 Poles | 定格 Rating | 相数 Phase | 耐熱クラス TH.CL |
|---|---|---|---|---|---|
| | 5.5 | 2 | CONT. | 3 | B |

特性試験　Characteristics Test

| 周波数 Freq. (Hz) | 無負荷試験 No Load Test | | | 拘束試験 Locked－Rotor Test | | | | | 巻線抵抗(端子間) Resistance Between Lines at 95 ℃(Ω) |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 定格周波数 Rated Frequency (Hz) | | | 1/2周波数 Freq.(Hz) | | |
| | 電圧 Voltage(V) | 電流 Current(A) | 損失 Loss(W) | 電圧 Voltage(V) | 電流 Current(A) | 損失 Loss(W) | 電圧 Voltage(V) | 損失 Loss(W) | |
| 50 | 200 | 5.95 | 382 | 39.9 | 20 | 492 | | | 0.427 |
| 60 | 200 | 4.81 | 460 | 46.7 | 20 | 528 | | | |
| 60 | 220 | 5.32 | 514 | 46.7 | 20 | 528 | | | |

負荷特性
Load Characteristics

| 周波数 Freq. (Hz) | 電圧 Voltage (V) | 負荷率 Load (%) | 電流 Current (A) | 回転速度 Speed ($min^{-1}$) | 効率 Efficiency (%) | 力率 Power Factor(%) | 最大トルク Break－down Torque(%) | 最小始動トルク Locked－Rotor Torque(%) | 最大始動電流 Starting Current(A) |
|---|---|---|---|---|---|---|---|---|---|
| 50 | 200 | 25 | 7.90 | 2978 | 77.6 | 64.8 | 249 | 191 | 115 |
| | | 50 | 11.3 | 2974 | 86.0 | 81.5 | | | |
| | | 75 | 15.4 | 2959 | 88.6 | 87.4 | | | |
| | | 100 | 19.9 | 2944 | 89.3 | 89.5 | | | |
| | | 125 | 24.8 | 2926 | 89.1 | 89.9 | | | |
| 60 | 200 | 25 | 7.19 | 3584 | 74.3 | 74.2 | 219 | 156 | 96 |
| | | 50 | 10.9 | 3567 | 84.0 | 86.7 | | | |
| | | 75 | 15.2 | 3549 | 87.1 | 90.2 | | | |
| | | 100 | 19.8 | 3529 | 88.1 | 91.0 | | | |
| | | 125 | 24.9 | 3506 | 88.0 | 90.5 | | | |
| 60 | 220 | 25 | 7.28 | 3587 | 72.3 | 68.6 | 266 | 190 | 107 |
| | | 50 | 10.4 | 3573 | 82.9 | 83.4 | | | |
| | | 75 | 14.1 | 3558 | 86.6 | 88.6 | | | |
| | | 100 | 18.1 | 3542 | 88.1 | 90.4 | | | |
| | | 125 | 22.4 | 3525 | 88.6 | 90.8 | | | |

温度試験 Temperature Test (上昇値 Rise)

| 周波数 Freq. (Hz) | 抵抗法 Resistance Method | 温度計法 Thermometer Method | |
|---|---|---|---|
| | 固定子巻線温度 Windings(K) | 外被温度 Frame(K) | 軸受温度 Bearings(K) |
| 50 | 47 | 32 | 30 |
| 60 | 43 | 29 | 27 |
| 60 | 40 | 27 | 25 |

| 絶縁抵抗 Ins. Resistance By 500V Megger | 100MΩ 以上 Above 良 Good |
|---|---|
| 耐電圧試験(1分間) High Potential Test (A.C.60Hz For 1min) | V 1500 良 Good |

外被，構造，寸法検査 Inspection of Appearance Construction & Outline Dimensions　良 Good

| ブレーキトルク Braking Torque | ブレーキ電流 Braking Current | 振動試験 Vibration Test | 騒音試験dB(A) Noise Test |
|---|---|---|---|
| (%) | (A) | V－　良Good | 良 Good |

防爆構造検査 Inspection of Explosion－proof Construction

| 防爆構造 Type of Explosion Protection | 爆発等級 Explosion Class | 発火度 Ignition Temp Group | 拘束電流(A) Locked－Rotor Current | 許容拘束時間(Sec) Permissible Locking Time | 危険場所 Hazardous Area |
|---|---|---|---|---|---|
| e | | G3 | 115 | 10 | 2ND |

注記　Notes:

試験日 Date of Test :　承認 Approved By :　頁 Page :