

誘導電動機試験成績表

(TEST REPORT OF INDUCTION MOTOR)

御参考用



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

シリアル番号
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 |
| | 22 | 2 | CONT. | 3 | E |

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 75 °C (Ω) | |
|----------------------|-----------------------|------------------|---------------|----------------------------|------------------|---------------|------------------|---|-------|
| | 電圧 Voltage(V) | 電流 Current(A) | 損失 Loss(W) | 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) | 損失 Loss(W) | |
| 50 | 200 | 26.6 | 1411 | 31.5 | 76 | 1248 | | | 0.052 |
| 60 | 200 | 20.1 | 1834 | 36.6 | 76 | 1352 | | | |
| 60 | 220 | 22.8 | 1951 | 36.6 | 76 | 1352 | | | |

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 | 33.6 | 2990 | 79.1 | 59.8 | 314 | 221 | 542 |
| | | 50 | 46.2 | 2980 | 87.5 | 78.5 | | | |
| | | 75 | 61.5 | 2969 | 90.3 | 85.7 | | | |
| | | 100 | 78.3 | 2958 | 91.4 | 88.7 | | | |
| | | 125 | 96.2 | 2946 | 91.8 | 89.9 | | | |
| 60 | 200 | 25 | 29.2 | 3589 | 74.6 | 72.8 | 267 | 181 | 456 |
| | | 50 | 43.5 | 3577 | 84.7 | 86.1 | | | |
| | | 75 | 59.8 | 3564 | 88.3 | 90.2 | | | |
| | | 100 | 77.2 | 3551 | 89.9 | 91.5 | | | |
| | | 125 | 95.8 | 3537 | 90.5 | 91.6 | | | |
| 60 | 220 | 25 | 30.1 | 3590 | 73.5 | 65.3 | 323 | 219 | 502 |
| | | 50 | 42.1 | 3580 | 84.1 | 81.6 | | | |
| | | 75 | 56.1 | 3570 | 88.0 | 87.6 | | | |
| | | 100 | 71.3 | 3559 | 89.9 | 90.1 | | | |
| | | 125 | 87.4 | 3548 | 90.7 | 91.0 | | | |

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 | 68 | 43 | 49 |
| 60 | 64 | 41 | 47 | |
| 60 | 58 | 36 | 43 | |

| | | |
|--|-----------------------------|--|
| 絶縁抵抗 Ins. Resistance By 500V Megger | 100MΩ 以上 Above 良 Good | 外被, 構造, 寸法検査 Inspection of Appearance Construction & Outline Dimensions |
| 耐電圧試験(1分間) High Potential Test (A.C.60Hz For 1min) | 1500 良 Good | |

| | | | |
|----------------------------------|----------------------------------|------------------------------|------------------------------------|
| ブレーキトルク Braking Torque (%) | ブレーキ電流 Braking Current (A) | 振動試験 Vibration Test V- | 騒音試験dB (A) Noise Test 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 |
| d | 2 | G4 | | | |

注記 Note:

試験日

Date of Test :

承認

Approved By :

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