

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.

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 |
| | 2.2 | 4 | 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 °C (Ω) | |
|----------------------|-----------------------|------------------|---------------|-------------------------------|------------------|------------------|---------------|--|---------------|
| | 電圧 Voltage(V) | 電流 Current(A) | 損失 Loss(W) | 定格周波数 Rated Frequency (Hz) | 電圧 Voltage(V) | 電流 Current(A) | 損失 Loss(W) | 1/2周波数 Freq.(Hz) | 損失 Loss(W) |
| 50 | 200 | 4.05 | 174 | 38.2 | 9.0 | 338 | | | 1.744 |
| 60 | 200 | 3.11 | 147 | 43.6 | 9.0 | 352 | | | |
| 60 | 220 | 3.56 | 177 | 43.6 | 9.0 | 352 | | | |

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 | 4.52 | 1486 | 74.7 | 47.0 | 273 | 262 | 55 |
| | | 50 | 5.58 | 1471 | 83.0 | 68.6 | | | |
| | | 75 | 7.05 | 1455 | 84.7 | 79.7 | | | |
| | | 100 | 8.83 | 1437 | 84.3 | 85.3 | | | |
| | | 125 | 10.9 | 1416 | 82.8 | 88.1 | | | |
| 60 | 200 | 25 | 3.70 | 1782 | 77.5 | 55.3 | 244 | 208 | 47 |
| | | 50 | 4.94 | 1763 | 84.6 | 76.0 | | | |
| | | 75 | 6.56 | 1741 | 85.7 | 84.7 | | | |
| | | 100 | 8.47 | 1717 | 84.8 | 88.4 | | | |
| | | 125 | 10.7 | 1689 | 82.8 | 89.9 | | | |
| 60 | 220 | 25 | 4.01 | 1785 | 74.6 | 48.2 | 297 | 255 | 51 |
| | | 50 | 5.00 | 1769 | 83.3 | 69.4 | | | |
| | | 75 | 6.32 | 1752 | 85.5 | 80.1 | | | |
| | | 100 | 7.89 | 1734 | 85.5 | 85.5 | | | |
| | | 125 | 9.67 | 1713 | 84.6 | 88.2 | | | |

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 | 58 | 45 | 33 |
| 60 | 52 | 38 | 27 |
| 60 | 48 | 35 | 25 |

絶縁抵抗

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

外被, 構造, 寸法検査

| | |
|--|--------|
| 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 |

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 | 55 | 10 | 2ND |

注記 Notes:

試験日

Date of Test :

承認

Approved By :

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