

# TEST REPORT OF GEAR MOTOR

[ギアモータ試験成績書]

Model

[品名] **F2F15L010-YSBL25NC**

Motor Type

[モータ型式] **DS-75**

•The values in this test reports are representative values of the motor itself (without a gear head).  
The efficiency of the gear head is not considered.

•この試験成績書は、モータ単体(ギアヘッドなし)での代表特性です。そのため、減速機の効率等は含まれていません。

Specification for Motor [モータ仕様]

Standard code : EN60034-1

|                    |                    |                                     |                        |      |     |  |
|--------------------|--------------------|-------------------------------------|------------------------|------|-----|--|
| Manufacturer [製造者] | NISSEI CORPORATION |                                     | Capacitor (μF) [コンデンサ] |      | 7.0 |  |
| Name [名 称]         | 0.025 kW           | Frequency (Hz) [周波数]                | 50                     | 60   |     |  |
| Phase [相 数]        | 1                  | Voltage (V) [電 圧]                   | 100                    | 100  |     |  |
| Poles [極 数]        | 4                  | Current (A) [電 流]                   | 0.45                   | 0.48 |     |  |
| Rating [定 格]       | S1 CONT.           | Rotational Frequency (r/min) [回転速度] | 1350                   | 1630 |     |  |
| Ins. class [絶 縁]   | B                  | P.F. (%) [力 率]                      | 97                     | 99   |     |  |

Load Characteristics [負荷特性]

Actual Load Method [実負荷法]

| Frequency (Hz) [周波数] | Voltage (v) [電圧] | Load (%) [負荷率] | Current (A) [電流] | Rotational Frequency(r/min) [回転速度] | Efficiency (%) [効率] | Power Factor(%) [力率] | Break-down Torque(%) [停動トルク] | Locked-rotor Torque(%) [始動トルク] | Starting Current(A) [始動電流] |
|----------------------|------------------|----------------|------------------|------------------------------------|---------------------|----------------------|------------------------------|--------------------------------|----------------------------|
| 50                   | 100              | 0              | 0.33             | 1471                               | 0                   | 89.8                 | 151                          | 74                             | 0.86                       |
|                      |                  | 25             | 0.33             | 1465                               | 17.6                | 90.4                 |                              |                                |                            |
|                      |                  | 50             | 0.36             | 1428                               | 29.3                | 94.6                 |                              |                                |                            |
|                      |                  | 75             | 0.39             | 1395                               | 38.6                | 96.3                 |                              |                                |                            |
|                      |                  | 100            | 0.44             | 1354                               | 44.0                | 97.5                 |                              |                                |                            |
| 60                   | 100              | 0              | 0.33             | 1761                               | 0                   | 98.3                 | 139                          | 73                             | 0.79                       |
|                      |                  | 25             | 0.34             | 1750                               | 17.8                | 98.2                 |                              |                                |                            |
|                      |                  | 50             | 0.38             | 1721                               | 31.6                | 98.4                 |                              |                                |                            |
|                      |                  | 75             | 0.42             | 1680                               | 42.3                | 99.5                 |                              |                                |                            |
|                      |                  | 100            | 0.46             | 1623                               | 48.9                | 99.6                 |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |
|                      |                  |                |                  |                                    |                     |                      |                              |                                |                            |

Temperature Rise Test [温度上昇試験]

Windings: Resistance Method [抵抗法]

Frame: Thermometer Method [温度計法]

|                      |                  |  |                     |                 |
|----------------------|------------------|--|---------------------|-----------------|
| Frequency (Hz) [周波数] | Voltage (V) [外被] |  | Windings (°C) [固定子] | Frame (°C) [外被] |
| 50 / 60 / /          | 100 / 100 / /    |  | / / /               | 35 / 33 / /     |

•The temperature rise test is the representative property as the gearmotor.

•温度上昇試験は、ギアモータでの代表特性です。

Remark

Insulation Resistance by 500 V Megger 100 MΩ  
[500Vメガ計による絶縁抵抗]

Withstand Voltage Test 1500 v / min. Withstood  
[絶縁耐力試験] [良]

|                                                     |                    |                 |                  |
|-----------------------------------------------------|--------------------|-----------------|------------------|
| Nissei Corporation<br>Anjo Aichi Japan<br>[(株)ニッセイ] | Date of Test [試験日] | Tested by [測定者] | Approved by [承認] |
|                                                     | 2000.10.2          | S.Yamada        | K.Amano          |