

TEST REPORT OF GEAR MOTOR

[ギアモータ試験成績書]

Model

[品名] F3F18L10N-PM01NVTN

- 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 Part [電動機部仕様]

Standard code : UL1004-1, EN60034-1, GB12350

Name [名 称]	IPM Motor		
Manufacturer [製造者]	NISSEI CORPORATION		
Capacity [出 力]	0.1kW	Frequency (Hz) [周波数]	50/60
Phase [相 数]	3	Voltage (V) [電 圧]	200~230
Poles [極 数]	4	Current (A) [電 流]	0.45
Rating [定 格]	S1 CONT.	Ins. class [絶 縁]	F

Parameters [パラメータ] at 20°C

Winding Resistance Between Terminals (Ω) [巻線抵抗(端子間)]	24.4
E. M. F Const Between Terminals (mV/r/min) [誘起電圧定数(端子間)]	81.1

Load Characteristics [負荷特性] (For Both 50 Hz And 60 Hz[50,60Hz共通])

Rev. [回転速度]	150r/min		1000r/min		1800r/min	
	Load (%) [負荷]	Current (A) [電流]	Input (W) [入力電力]	Current (A) [電流]	Input (W) [入力電力]	Current (A) [電流]
	0	0.132	1.6	0.090	7.8	0.094
	25	0.179	4.8	0.161	22.3	0.171
	50	0.256	8.3	0.251	37.8	0.261
	75	0.342	12.4	0.345	53.8	0.357
	100	0.435	17.3	0.442	70.8	0.454

- Current [A] and Input [W] are the values supplied from the inverter to the motor when using Nissei's inverter.
- 電流、入力電力は当社専用インバータを使用した場合のインバータからモータへの入力値です。

Temperature Rise Test [温度上昇試験]

Load (%) [負荷]	Rev. [回転速度]	Hours Run (h) [運転時間]	Stator [固定子]	
			Winding by Resist Method ($^{\circ}\text{C}$) [巻線 (抵抗法)]	Frame by Thermometer Method ($^{\circ}\text{C}$) [フレーム]
100	1800r/min	4	41	35

- 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。

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

Withstand Voltage Test 1500V/min withstood
[絶縁耐力試験] [良]

Remarks [注]

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NISSEI CORPORATION Anjo Aichi Japan [(株) ニッセイ]	Date of Test [試験日]	Tested by [測定者]	Approved by [承認]
	2019.08.30	Y.Miura	H.Hayashi