



# Test Report Three Phase Induction Motor

**Motor's Serial  
Number**  
1089646023

WEG México S.A. de C.V.

Quality Control - Medium Voltage Laboratory

Carretera Jorobas-Tula km 3.5, - 54680, Huehuetoca - Estado de México - México

**Customer:** -  
**Sales Order:** -

## 1. Motor Identification

TAG: -

Material: 17432237

Frame: 355M/L

Mounting: B3T

Drawing: -

Enclosure: IP65

Altitude (m): 1000

Duty Cycle: S1

Design: N

Insulation Class: F

Temperature Rise (K): 70

Ambient Temperature (°C): 50

Service Factor: 1.15

Voltage (V)	Current (A)	Power (kW)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
480	296	185	60	895	0.79	95

## 2. Performed Tests

	Routine	Type	Special	Page
Electric Resistance	X	X	-	1
Temperature Rise - Nominal Condition	-	X	-	1
Performance Determination	-	X	-	1
No Load	X	X	-	1

## 3. Tests

### 3.1. Electric Resistance

Resistance (mOhms): 16.14 / 16.21 / 16.29

Ambient Temperature (°C): 25.8

Unbalance (%): 0.92

R<sub>20°C</sub> (mOhms): 15.78 / 15.84 / 15.93

### 3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 480.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 49.6

DE Bearing (K): 33.4

NDE Bearing (K): 21.2

### 3.3. Performance Determination

Voltage (V): 480.0

Frequency (Hz): 60.00

Nominal T. (N.m): 1972.67

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	154.71	0.0011	899.0	93.56	0.38
50	192.62	0.0027	897.5	95.94	0.60
75	242.07	0.0042	896.2	96.45	0.71
100	300.15	0.0057	894.8	96.43	0.77

### 3.4. No Load

Voltage (V): 481.0

Current (A): 137.06

Power (W): 2919.00

Frequency (Hz): 60.0

Speed (rpm): 900

Direction of Rotation: Clockwise

## 4. Report Notes

Smart Code: 1850008IE3

## 5. Result

Test result approved in accordance with the requirements of IEC 60034-1:2017. Performance calculated according to IEEE 112:2004 - Method B.

\* Confidential report. Reproduction of this document shall not be partial and depends on the written approval of the laboratory;  
\* The results presented in this document refer exclusively to the electric motor subjected to the specified tests and do not extend to any batch; \*  
WEG will keep the original document archived for at least five years.



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**Manufacturer:** WEG Equipamentos Elétricos S.A.

**Country of origin information:** Av. Prefeito Waldemar Grubba, 3000 – Jaraguá do Sul SC - Brazil

### Electronic authentication mechanism

This test report can be accessed through the link:

<https://static.weg.net/medias/downloadcenter/h38/h61/1850008IE3-Energy-Efficiency-Test-Report.pdf>

WEG Motors

Customer

Aginaldo Reus Medeiros  
Rodrigues  
Test Date: 10/6/2023

Inspector

Form nº 0001 - ed./ver. 1/5 - June/2014

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