



# Test Report Three Phase Induction Motor

**Motor's Serial  
Number  
1090923902**

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: 17518491

Frame: 355M/L

Mounting: B3T

Drawing: -

Enclosure: IP55

Altitude (m): 1000

Duty Cycle: S1

Design: N

Insulation Class: F

Temperature Rise (K): 65

Ambient Temperature (°C): 55

Service Factor: 1.00

Voltage (V)	Current (A)	Power (kW)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
400	497	275	60	1792	0.83	96.2

## 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): 5.870 / 5.942 / 5.928

Ambient Temperature (°C): 24.3

Unbalance (%): 1.23

R<sub>20°C</sub> (mOhms): 5.772 / 5.843 / 5.829

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

Voltage (V): 400.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 55.7

DE Bearing (K): 34.5

NDE Bearing (K): 31.6

### 3.3. Performance Determination

Voltage (V): 400.0

Frequency (Hz): 60.00

Nominal T. (N.m): 1464.53

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	210.65	0.0011	1798.1	93.43	0.50
50	288.12	0.0021	1796.2	96.04	0.72
75	382.59	0.0031	1794.3	96.70	0.80
100	489.97	0.0043	1792.3	96.82	0.84

### 3.4. No Load

Voltage (V): 399.8

Current (A): 173.08

Power (W): 4537.50

Frequency (Hz): 60.0

Speed (rpm): 1800

Direction of Rotation: Clockwise

## 4. Report Notes

Smart Code: 2750004IE3

## 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.

Form n° 0001 - ed.ver. 1/5 - June/2014

Report issued on 11/24/2023



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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/hdd/hca/2750004IE3-Energy-Efficiency-Test-Report.pdf>

WEG Motors

Customer

Agnaldo Reus Medeiros  
Rodrigues

Inspector

Test Date: 11/3/2023

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

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