



# Test Report Three Phase Induction Motor

**Motor's Serial  
Number  
1087617296**

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: 17391277

Frame: 355M/L

Mounting: B3T

Drawing: -

Enclosure: IP55

Altitude (m): 1000

Duty Cycle: S1

Design: N

Insulation Class: F

Temperature Rise (K): 80

Ambient Temperature (°C): 40

Service Factor: 1.15

Voltage (V)	Current (A)	Power (kW)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
400	637	330	60	1193	0.78	95.8

## 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
Withstand Voltage	X	X	-	1

## 3. Tests

### 3.1. Electric Resistance

Resistance (mOhms): 4.787 / 4.791 / 4.787

Ambient Temperature (°C): 20.1

Unbalance (%): 0.08

R<sub>20°C</sub> (mOhms): 4.785 / 4.789 / 4.785

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

Voltage (V): 400.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 62.2

DE Bearing (K): 40.9

NDE Bearing (K): 38.1

### 3.3. Performance Determination

Voltage (V): 400.0

Frequency (Hz): 60.00

Nominal T. (N.m): 2639.84

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	313.50	0.0013	1198.4	93.22	0.41
50	398.30	0.0027	1196.7	95.70	0.62
75	507.55	0.0041	1195.0	96.22	0.73
100	637.05	0.0057	1193.1	96.17	0.78

### 3.4. No Load

Voltage (V): 400.8

Current (A): 279.04

Power (W): 5538.13

Frequency (Hz): 60.0

Speed (rpm): 1200

Direction of Rotation: Clockwise

### 3.5. Withstand Voltage AC

Description	Voltage (kV)	Time (s)
Winding	1.8	60

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\* 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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## 4. Report Notes

Smart Code: 3300006IE3

## 5. Result

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

### Electronic authentication mechanism

This test report can be accessed through the link:

<https://static.weg.net/medias/downloadcenter/h8f/hee/3300006IE3-Energy-Efficiency-Test-Report.pdf>

### WEG Motors

Aginaldo Reus Medeiros  
Rodrigues  
Test Date: 8/4/2023

### Customer

Inspector

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

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