



# Test Report Three Phase Induction Motor

**Motor's Serial  
Number  
1087668258**

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: 17390623

Frame: 355A/B

Mounting: B3R(E)

Drawing: -

Enclosure: IP55

Altitude (m): 1000

Duty Cycle: S1

Design: N

Insulation Class: F

Temperature Rise (K): 80

Ambient Temperature (°C): 40

Service Factor: 1.00

Voltage (V)	Current (A)	Power (kW)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
400	578	300	60	894	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
Withstand Voltage	X	X	-	1

## 3. Tests

### 3.1. Electric Resistance

Resistance (mOhms): 6.170 / 6.092 / 6.151

Ambient Temperature (°C): 24.5

Unbalance (%): 1.28

R<sub>20°C</sub> (mOhms): 6.062 / 5.986 / 6.044

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

Voltage (V): 400.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 65.1

DE Bearing (K): 39.1

NDE Bearing (K): 27.0

### 3.3. Performance Determination

Voltage (V): 400.0

Frequency (Hz): 60.00

Nominal T. (N.m): 3202.50

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	306.07	0.0013	898.8	93.49	0.38
50	378.90	0.0028	897.5	95.84	0.60
75	474.25	0.0043	896.1	96.29	0.71
100	585.79	0.0059	894.7	96.23	0.77

### 3.4. No Load

Voltage (V): 400.0

Current (A): 273.73

Power (W): 4751.40

Frequency (Hz): 60.0

Speed (rpm): 900

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: 3000008IE3

## 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/h7d/h95/3000008IE3-Energy-Efficiency-Test-Report.pdf>

### WEG Motors

Aginaldo Reus Medeiros  
Rodrigues  
Test Date: 8/7/2023

### Customer

Inspector

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

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