



# Test Report Three Phase Induction Motor

**Motor's Serial  
Number**  
1086369985

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: 17319096

Frame: 404/5JP

Mounting: B34R(D)

Drawing: -

Enclosure: IP23

Altitude (m): 1000

Duty Cycle: S1

Design: A

Insulation Class: F

Temperature Rise (K): 60

Ambient Temperature (°C): 60

Service Factor: 1.15

Voltage (V)	Current (A)	Power (HP)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
220/380	238/138	100	60	3565	0.87	95
400	134	100	60	3570	0.85	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): 40.04 / 40.03 / 40.08

Ambient Temperature (°C): 22.4

Unbalance (%): 0.14

R<sub>20°C</sub> (mOhms): 39.67 / 39.65 / 39.71

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

Voltage (V): 380.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 31.0

DE Bearing (K): 5.6

NDE Bearing (K): 12.2

### 3.3. Performance Determination

Voltage (V): 380.0

Frequency (Hz): 60.00

Nominal T. (N.m): 200.77

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	54.23	0.0020	3592.7	91.81	0.57
50	78.03	0.0039	3586.1	94.74	0.77
75	105.88	0.0060	3578.5	95.31	0.85
100	136.62	0.0082	3570.4	95.22	0.88

### 3.4. No Load

Voltage (V): 379.4

Current (A): 41.45

Power (W): 1517.37

Frequency (Hz): 60.0

Speed (rpm): 3600

Direction of Rotation: Clockwise

## 4. Report Notes

Smart Code: 0750002IE4

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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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## 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/h70/hd5/0750002IE4\\_Energy\\_Efficiency\\_Test\\_Report.pdf](https://static.weg.net/medias/downloadcenter/h70/hd5/0750002IE4_Energy_Efficiency_Test_Report.pdf)

WEG Motors

Agnaldo Reus Medeiros  
Rodrigues

Test Date: 7/28/2023

Customer

Inspector

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