



Test Report Three Phase Induction Motor

**Motor's Serial
Number**
1088884246

WEG México S.A. de C.V.

Quality Control - Low Voltage Laboratory

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

Customer: -
Sales Order: -

1. Motor Identification

TAG: -

Material: 17355937

Frame: 315S/M

Mounting: V1T

Drawing: 10011110274

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	143	75	60	890	0.8	94.4

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): 39.15 / 39.04 / 39.01

Ambient Temperature (°C): 24.5

Unbalance (%): 0.34

R_{20°C} (mOhms): 38.47 / 38.36 / 38.34

3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 400.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 55.9

DE Bearing (K): 31.2

NDE Bearing (K): 34.1

3.3. Performance Determination

Voltage (V): 400.0

Frequency (Hz): 60.00

Nominal T. (N.m): 804.20

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	66.25	0.0025	897.8	92.33	0.44
50	87.23	0.0048	895.7	94.82	0.65
75	114.02	0.0073	893.4	95.13	0.75
100	145.50	0.0102	890.8	94.78	0.78

3.4. No Load

Voltage (V): 400.9

Current (A): 56.09

Power (W): 1376.27

Frequency (Hz): 60.0

Speed (rpm): 900

Direction of Rotation: Clockwise

4. Report Notes

Smart Code: 0750008IE3

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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Electronic authentication mechanism

This test report can be accessed through the link:

<https://static.weg.net/medias/downloadcenter/ha1/h72/0750008IE3-Energy-Efficiency-Test-Report.pdf>

WEG Motors

Customer

Aginaldo Reus Medeiros
Rodrigues

Inspector

Test Date: 10/4/2023

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