



Test Report Three Phase Induction Motor

**Motor's Serial
Number**
1086917128

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: 17322350

Frame: L100L

Mounting: B3T

Drawing: 10011047909

Enclosure: IP56

Altitude (m): 1000

Duty Cycle: S1

Design: N

Insulation Class: F

Temperature Rise (K): 70

Ambient Temperature (°C): 50

Service Factor: 1.00

Voltage (V)	Current (A)	Power (kW)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
460	2.83	1.1	60	865	0.6	81.4

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
Withstand Voltage	X	X	-	1

3. Tests

3.1. Electric Resistance

Resistance (Ohms): 9.074 / 9.077 / 9.078

Ambient Temperature (°C): 18.7

Unbalance (%): 0.05

R_{20°C} (Ohms): 9.120 / 9.124 / 9.125

3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 460.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 37.7

3.3. Performance Determination

Voltage (V): 460.0

Frequency (Hz): 60.00

Nominal T. (N.m): 12.10

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	2.21	0.0099	891.1	65.82	0.24
50	2.39	0.0193	882.6	76.63	0.38
75	2.66	0.0299	873.1	79.79	0.49
100	3.01	0.0420	862.2	80.17	0.57

3.4. No Load

Voltage (V): 459.5

Current (A): 2.13

Power (W): 130.34

Frequency (Hz): 60.0

Speed (rpm): 900

Direction of Rotation: Clockwise

3.5. Withstand Voltage AC

Description	Voltage (kV)	Time (s)
Winding	1.92	60

4. Report Notes

Smart Code: 0011008IE3

* 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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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/hd7/hec/0011008IE3-Energy-Efficiency-Test-Report.pdf>

WEG Motors

Customer

Aginaldo Reus Medeiros
Rodrigues

Inspector

Test Date: 7/26/2023

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