



Test Report Three Phase Induction Motor

**Motor's Serial
Number
1083812407**

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: 14238552

Frame: 225S/M

Mounting: B35T

Drawing: 10005378502

Enclosure: IP56

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 (HP)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
230/460	118/58.8	50	60	1185	0.84	94.1

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): 148.3 / 148.5 / 148.4

Ambient Temperature (°C): 28.1

Unbalance (%): 0.15

R_{20°C} (mOhms): 143.7 / 143.9 / 143.8

3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 460.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 41.4

DE Bearing (K): 28.9

NDE Bearing (K): 23.5

3.3. Performance Determination

Voltage (V): 460.0

Frequency (Hz): 60.00

Nominal T. (N.m): 297.97

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	29.50	0.0029	1196.5	90.16	0.44
50	37.68	0.0056	1193.3	93.65	0.66
75	48.20	0.0085	1189.8	94.33	0.77
100	60.39	0.0118	1185.9	94.20	0.82

3.4. No Load

Voltage (V): 460.3

Current (A): 25.92

Power (W): 919.25

Frequency (Hz): 60.0

Speed (rpm): 1200

Direction of Rotation: Clockwise

4. Report Notes

Smart Code: 03700061E3

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/h18/hb4/0370006IE3_Energy_Efficiency_Test_Report.pdf

WEG Motors

Customer

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

Inspector

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

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