



Test Report Three Phase Induction Motor

**Motor's Serial
Number
1091107465**

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: 17531111

Frame: 355M/L

Mounting: B3T

Drawing: -

Enclosure: IP55

Altitude (m): 1000

Duty Cycle: S1

Design: N

Insulation Class: F

Temperature Rise (K): 80

Ambient Temperature (°C): 40

Service Factor: 1.15

Voltage (V)	Current (A)	Power (kW)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
400	573	330	60	1791	0.86	96.7

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): 5.011 / 5.048 / 5.056
R_{20°C} (mOhms): 4.912 / 4.948 / 4.956

Ambient Temperature (°C): 25.1

Unbalance (%): 0.90

3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 400.0

Winding (Resistance Method) (K): 58.3

Frequency (Hz): 60.0

DE Bearing (K): 37.7

NDE Bearing (K): 34.7

3.3. Performance Determination

Voltage (V): 400.0

Frequency (Hz): 60.00

Nominal T. (N.m): 1758.42

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	228.25	0.0012	1797.8	94.26	0.55
50	327.16	0.0024	1795.7	96.41	0.76
75	444.55	0.0036	1793.5	96.85	0.83
100	575.65	0.0049	1791.1	96.84	0.85

3.4. No Load

Voltage (V): 401.1

Frequency (Hz): 60.0

Current (A): 178.58

Speed (rpm): 1800

Power (W): 4610.67

Direction of Rotation: Clockwise

4. Report Notes

Smart Code: 3300004IE3

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

Manufacturer: WEG Equipamentos Elétricos S.A.

Country of origin information: Av. Prefeito Waldemar Grubba, 3000 – Jaraguá do Sul SC - Brazil

Electronic authentication mechanism

This test report can be accessed through the link:

<https://static.weg.net/medias/downloadcenter/hfb/h08/3300004IE3-Energy-Efficiency-Test-Report.pdf>

WEG Motors

Customer

Agnaldo Reus Medeiros
Rodrigues

Test Date: 10/11/2023

Inspector

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

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