



Test Report Three Phase Induction Motor

**Motor's Serial
Number**
1090443800

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: 17485452

Frame: 315S/M

Mounting: V1T

Drawing: -

Enclosure: IP55

Altitude (m): 1000

Duty Cycle: S1

Design: N

Insulation Class: F

Temperature Rise (K): 80

Ambient Temperature (°C): 40

Service Factor: 1.00

Voltage (V)	Current (A)	Power (kW)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
380	372	200	60	1789	0.85	96.2

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): 9.368 / 9.431 / 9.374

Ambient Temperature (°C): 23.4

Unbalance (%): 0.67

R_{20°C} (mOhms): 9.244 / 9.306 / 9.250

3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 380.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 61.9

DE Bearing (K): 43.0

NDE Bearing (K): 30.8

3.3. Performance Determination

Voltage (V): 380.0

Frequency (Hz): 60.00

Nominal T. (N.m): 1066.90

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	155.38	0.0014	1797.5	94.24	0.52
50	214.72	0.0027	1795.1	96.24	0.74
75	287.27	0.0045	1791.9	96.52	0.82
100	369.40	0.0062	1788.8	96.36	0.85

3.4. No Load

Voltage (V): 380.4

Current (A): 127.71

Power (W): 2752.86

Frequency (Hz): 60.0

Speed (rpm): 1800

Direction of Rotation: Clockwise

4. Report Notes

Smart Code: 2000004IE3

5. Result

Test result approved in accordance with the requirements of IEC 60034-1:2017. Performance calculated according to IEEE 112:2004 - Method B.

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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; *
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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/h3d/hf0/2000004IE3-Energy-Efficiency-Test-Report.pdf>

WEG Motors

Customer

Agnaldo Reus Medeiros
Rodrigues

Test Date: 10/23/2023

Inspector

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

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