



Test Report Three Phase Induction Motor

**Motor's Serial
Number**
1088841310

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: 600-D901B

Material: 17346821

Frame: 315L

Mounting: B3R(E)

Drawing: 10011091766

Enclosure: IP55

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. (%)
400	340	200	60	1789	0.88	96.5

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): 10.30 / 10.42 / 10.34

Ambient Temperature (°C): 19.7

Unbalance (%): 1.09

R_{20°C} (mOhms): 10.32 / 10.43 / 10.36

3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 400.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 56.3

DE Bearing (K): 38.2

NDE Bearing (K): 28.6

3.3. Performance Determination

Voltage (V): 400.0

Frequency (Hz): 60.00

Nominal T. (N.m): 1066.90

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	126.99	0.0014	1797.5	94.46	0.60
50	189.02	0.0027	1795.1	96.26	0.79
75	262.43	0.0043	1792.3	96.43	0.86
100	343.47	0.0061	1789.0	96.17	0.87

3.4. No Load

Voltage (V): 399.7

Current (A): 94.61

Power (W): 2591.25

Frequency (Hz): 60.0

Speed (rpm): 1800

Direction of Rotation: Clockwise

4. Report Notes

Smart Code: 2000004IE4

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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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/h18/hf0/2000004IE4-Energy-Efficiency-Test-Report.pdf>

WEG Motors

Customer

Agnaldo Reus Medeiros
Rodrigues

Test Date: 10/6/2023

Inspector

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

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