



Test Report Three Phase Induction Motor

**Motor's Serial
Number
1059546043**

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: WEG COLOMBIA S.A.S

Sales Order: -

1. Motor Identification

TAG: -

Material: 15895604

Enclosure: IP55

Insulation Class: F

Frame: 445/7T

Altitude (m): 1000

Temperature Rise (K): 80

Mounting: B3R(D)

Duty Cycle: S1

Ambient Temperature (°C): 40

Drawing: 10008388885

Design: B

Service Factor: 1.00

Voltage (V)	Current (A)	Power (HP)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
460	176	150	60	1185	0.82	95.8

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
Insulation Resistance	X	X	-	2

3. Tests

3.1. Electric Resistance

Resistance (mOhms): 36.94 / 36.81 / 36.88

Ambient Temperature (°C): 24.9

Unbalance (%): 0.35

R_{20°C} (mOhms): 36.24 / 36.11 / 36.18

3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 460.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 52.0

DE Bearing (K): 42.1

NDE Bearing (K): 31.7

3.3. Performance Determination

Voltage (V): 460.0

Frequency (Hz): 60.00

Nominal T. (N.m): 885.91

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	78.85	0.0011	1198.7	94.25	0.46
50	105.10	0.0039	1195.3	96.04	0.68
75	137.99	0.0071	1191.5	96.08	0.78
100	175.94	0.0105	1187.4	95.65	0.82

3.4. No Load

Voltage (V): 460.8

Current (A): 66.21

Power (W): 1475.13

Frequency (Hz): 60.0

Speed (rpm): 1200

Direction of Rotation: Clockwise

3.5. Withstand Voltage AC

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

* 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.



Test Report Three Phase Induction Motor

Motor's Serial
Number
1059546043

WEG México S.A. de C.V.

Quality Control - Medium Voltage Laboratory

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

3.6. Insulation Resistance

Description	Voltage (V)	Insulation Res. (Mohms)	Time (s)
Winding	500.0	7500.0	60

Ambient Temperature (°C): 23.5

Humidity (%): 76.9

4. Report Notes

Smart Code: 1100006IE3

5. Result

Test 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/hb5/h80/1100006IE3-Energy-Efficiency-Test-Report.pdf>

WEG Motors

Customer

Aginaldo Reus Medeiros
Rodrigues

Inspector

Test Date: 6/4/2023

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

Report issued on 04/28/2023