



Test Report Three Phase Induction Motor

**Motor's Serial
Number**
1074291193

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: 16804848

Frame: L100L

Mounting: B35T

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	5.99	3	60	3515	0.85	89.5

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 (Ohms): 1.965 / 1.964 / 1.963

Ambient Temperature (°C): 19.1

Unbalance (%): 0.10

R_{20°C} (Ohms): 1.972 / 1.971 / 1.970

3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 380.0

Frequency (Hz): 60.0

Winding (Resistance Method) (K): 35.6

3.3. Performance Determination

Voltage (V): 380.0

Frequency (Hz): 60.00

Nominal T. (N.m): 8.15

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	2.98	0.0059	3578.8	80.34	0.48
50	3.80	0.0112	3559.9	87.29	0.69
75	4.82	0.0167	3539.7	89.06	0.80
100	6.01	0.0228	3517.8	89.26	0.85

3.4. No Load

Voltage (V): 379.2

Current (A): 2.55

Power (W): 168.37

Frequency (Hz): 60.0

Speed (rpm): 3600

Direction of Rotation: Clockwise

4. Report Notes

Smart Code: 0030002IE4

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.



Test Report Three Phase Induction Motor

Motor's Serial
Number
1074291193

WEG México S.A. de C.V.

Quality Control - Low Voltage Laborato y

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/h1c/ha0/0030002IE4-Energy-Efficiency-Test-Report.pdf>

WEG Motors

Customer

Agnaldo Reus Medeiros
Rodrigues

Test Date: 9/29/2023

Inspector

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

Report issued on 11/24/2023