



# Test Report Three Phase Induction Motor

Motor's Serial  
Number  
23653677

University of Engineering Technology

MOTOR TESTING LAB

University Rd. Kala Shah Kaku, Sheikhpura, Punjab

Customer: 6546747  
Sales Order: 56785674

## 1. Motor Identification

TAG: None

Material: None

Frame: None

Mounting: None

Drawing: None

Enclosure: 754457

Altitude (m): None

Duty Cycle: None

Design: None

Insulation Class: 54754

Temperature Rise (C): None

Ambient Temperature (°C): None

Service Factor: None

Voltage (V)	Current (A)	Power (kW)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)
None	None	None	None	None	None	None

## 2. Performed Tests

	Routine	Type	Special	Page
1. Electric Resistance	X	X	-	1
2. Temperature Rise - Nominal Condition	-	X	-	1
3. Performance Determination	-	X	-	1
4. No Load	X	X	-	1
5. Withstand Voltage	X	X	-	1
6. Insulation Resistance	X	X	-	2

## 3. Tests

### 3.1. Electric Resistance

Resistance (mOhms): 12.61 / 12.56 / 12.70

Ambient Temperature (°C): 24.5

Unbalance (%): 1.14

### 3.2. Temperature Rise - Nominal Condition - Direct

Voltage (V): 400.0

Frequency (Hz): 60.0

Winding (Resistance Method) (C): 48.9

DE Bearing (C): 34.3

NDE Bearing (C): 29.3

### 3.3. Performance Determination

Voltage (V): 400.0

Frequency (Hz): 60.0

Nominal T. (N.m): 853.04

Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø
25	108.97	0.0013	1797.6	94.16	0.56
50	156.57	0.0027	1795.1	96.26	0.77
75	213.34	0.0041	1792.5	96.64	0.84
100	276.76	0.0056	1789.8	96.56	0.86

### 3.4. No Load

Voltage (V): 400.9

Current (A): 85.02

Power (W): 2263.33

Frequency (Hz): 60.0

Speed (rpm): 1800

Direction of Rotation: Clockwise

### 3.5. Withstand Voltage AC

Description	Voltage (kV)	Time (s)
Winding	1.8	60

### 3.6. Insulation Resistance

Description	Voltage (V)	Insulation Res. (Mohms)	Time (s)
Winding	500.0	22700.0	60

Voltage (V): 400.0

Frequency (Hz): 60.0

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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; \* WEG will keep the original document archived for at least five years.

Report issued on 04/28/2023



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Motor's Serial  
Number  
1081350993

University of Engineering Technology

MOTOR TESTING LAB

University Rd. Kala Shah Kaku, Sheikhpura, Punjab

### 5. Result

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

**WEG Motors**

**Customer**

Aginaldo Reus Medeiros Rodrigues  
Test Date: 4/18/2023

Inspector

Report issued on 04/28/2023