


		Test Report Three Phase Induction Motor			Motor's Serial Number 1082096226		
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: 17059441		Enclosure: IP55		Insulation Class: F			
Frame: 445/7TS		Altitude (m): 1000		Temperature Rise (K): 80			
Mounting: B3R(D)		Duty Cycle: S1		Ambient Temperature (°C): 40			
Drawing: 10010430547		Design: B		Service Factor: 1.00			
Voltage (V)	Current (A)	Power (HP)	Freq. (Hz)	Speed (rpm)	P.F.	Eff. (%)	
460	219	200	60	3570	0.9	95.4	
2. Performed Tests							
				Routine	Type	Special	Page
Electric Resistance				X	X	-	1
Accessories				X	X	-	1
Temperature Rise - Nominal Condition				-	X	-	1
Performance Determination				-	X	-	1
No Load				X	X	-	1
Withstand Voltage				X	X	-	2
Insulation Resistance				X	X	-	2
3. Tests							
3.1. Electric Resistance							
Resistance (mOhms): 23.05 / 23.02 / 22.95		Ambient Temperature (°C): 27.6		Unbalance (%): 0.44			
R _{20°C} (mOhms): 22.38 / 22.35 / 22.28							
3.2. Accessories							
Description	Position	Type	Value (Ohms)				
1RTb1-1RTb2-1RTb2	Bearing	PT-100	112.1				
2RTb1-2RTb2-2RTb2	Bearing	PT-100	112.7				
3.3. Temperature Rise - Nominal Condition - Direct							
Voltage (V): 460.0		Frequency (Hz): 60.0					
Winding (Resistance Method) (K): 62.4		DE Bearing (K): 40.9					
		NDE Bearing (K): 32.4					
3.4. Performance Determination							
Voltage (V): 460.0		Frequency (Hz): 60.00		Nominal T. (N.m): 400.98			
Load (%)	Current (A)	Slip	Speed (rpm)	Efficiency (%)	Cos Ø		
25	69.08	0.0019	3593.1	93.31	0.73		
50	114.08	0.0039	3585.8	95.59	0.86		
75	163.62	0.0061	3578.2	95.93	0.90		
100	217.24	0.0083	3570.0	95.74	0.91		
3.5. No Load							
Voltage (V): 460.9		Current (A): 41.19		Power (W): 2419.20			
Frequency (Hz): 60.0		Speed (rpm): 3600		Direction of Rotation: Clockwise			
* 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.							
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6. Withstand Voltage AC				
Description		Voltage (kV)		Time (s)
Winding		1.92		60
7. Insulation Resistance				
Description		Voltage (V)		Insulation Res. (Mohms)
Winding		500.0		9999.0
Ambient Temperature (°C): 27.9 Humidity (%): 77.0				
4. Report Notes				
Smart Code: 1500002IE3				
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/hce/h9b/1500002IE3-Energy-Efficiency-Test-Report.pdf				
DocuSigned by:  0EE4525BD002412... Agnaldo Reus Medeiros Rodrigues				
WEG Motors		Customer		
Agnaldo Reus Medeiros Rodrigues Test Date: 3/31/2023		Inspector 		
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