

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer : WEG ECUADOR S.A.S.

Product line : W01 - ODP - Compressor Duty Standard  
Efficiency

Frame	: 56H	Locked rotor time	: 8 s (hot) 14 s (cold)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 115/208-230 V	Altitude	: 3280 ft
Rated current	: 17.9/9.50-8.95 A	Protection degree	: IP21
L. R. Amperes	: 122/64.6-60.9 A	Cooling method	: IC01 - ODP
LRC	: 6.8	Mounting	: F-1/B3R(D)
No load current	: 7.80/3.36-3.90 A	Rotation <sup>1</sup>	: Both
Rated speed	: 3480 rpm	Noise level <sup>2</sup>	: 58.0 dB(A)
Slip	: 3.33 %	Vibration class	: A
Rated torque	: 2.98 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 180 %	Approx. weight <sup>3</sup>	: 0.0 lb
Pull up torque	: 150 %	Painting plan	: 207N
Breakdown torque	: 230 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F	Design	: L
Service factor	: 1.00		
Moment of inertia (J)	: 0.0546 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	69.8	75.8	77.5	Load torque	: -
Power Factor	0.86	0.92	0.94	Load inertia (J=GD <sup>2</sup> /4)	: -

Bearing type	Drive end 6204-ZZ	Non drive end 6202-ZZ	Foundation loads	
Lubrication interval	-	-	Max. traction	: -
Lubricant amount	-	-	Max. compression	: -
Lubricant type	MOBIL POLYREX EM			

Notes  
See notes on page 2.

This revision replaces and cancel the previous one, which must be eliminated.  
(1) Looking the motor from the shaft end.  
(2) Measured at 1m and with tolerance of +3dB(A).  
(3) Approximate weight, subject to be changed after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

Rev.	Changes Summary	Rev.	Checked	Date
Performed by	paulp	1465255220		
Checked by	AUTOMATICO	Page	Rev.	
Date	30/11/2023	1 / 2	0	

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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
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Notes

Standards	Specification	Vibration
	: MG1 - Part 10	: MG1 - Part 7
	Test : MG1 - Part 12	Tolerance : MG1 - Part 12
	Noise : MG1 - Part 9	

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