

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer	:	
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Product line	: IP55 - W22	Product code	: 13982304
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Frame	: 112M	Locked rotor time	: 9 s (hot)
Output	: 3 kW (4 HP)	Duty cycle	: S1
Poles	: 4	Ambient temperature	: -20 °C to +40 °C
Frequency	: 50 Hz	Altitude	: 1000 m.a.s.l
Rated voltage	: 240/480 V	Degree of protection	: IP55
Rated current	: 17.1/8.56 A	Cooling method	: IC411 - TEFC
L. R. Amperes	: 115/57.4 A	Mounting	: B3T
LRC (p.u.)	: 6.7	Direct of rotation ¹	: Both
No load current	: 6.40/3.20 A	Noise level ²	: 58.0 dB(A)
Rated speed	: 1430 rpm	Vibration class	: -
Slip	: 4.67 %	Starting method	: Direct On Line
Rated torque	: 20.0 Nm	Coupling	: Direct
Locked rotor torque	: 240 %	Approx. weight ³	: 51.0 kg
Pull up torque	: 200 %	Painting plan	: 207A
Breakdown torque	: 240 %	Color	: RAL 9005
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0164 kgm ²		

Output	Start	50%	75%	100%	Load type: -
Efficiency (%)	-	72.4	78.0	78.5	Load torque: -
Power factor	0.86	0.81	0.91	0.93	Load inertia (J=GD ² /4): -

	Drive end	Non drive end	Foundation loads
Bearing type			Maximum traction : -
Lubrication interval	-	-	Maximum compression : -
Lubricant amount	-	-	
Lubricant type	MOBIL POLYREX EM		

Notes:	<div>CERTIFIED WEG MOTORES Certified document. Not subject to changes.</div>
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Standards	Specification : IEC 60034-1	Vibration : -
	Tests : IEC 60034-2	Tolerance : IEC 60034-1
	Noise : IEC 60034-9	

This revision replaces and cancels the previous one, which must be eliminated. (1) When viewed from the drive end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At the rated point.	These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.
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Rev.	Summary of changes	Performed	Checked	Date
Performed by	jychow	580949/2023		
Checked by	AUTOMATICO			Page
Date	11/12/2023			Revision
			1/1	0

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