

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : WEG ELECTRIC CORPORATION - WEC

Product line : W22

Frame	: 132S	Locked rotor time	: 6 s (hot) 11 s (cold)
Output	: 5.5 kW	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 230 V	Altitude	: 3280 ft
Rated current	: 30.2 A	Protection degree	: IP55
L. R. Amperes	: 257 A	Cooling method	: IC411 - TEFC
LRC	: 8.5	Mounting	: B35L(D)
No load current	: 5.30 A	Rotation ¹	: Both
Rated speed	: 3515 rpm	Noise level ²	: 72.0 dB(A)
Slip	: 2.36 %	Vibration class	: NOT APPLICABLE
Rated torque	: 11.0 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 280 %	Coupling	: Direct
Pull up torque	: 235 %	Approx. weight ³	: 162 lb
Breakdown torque	: 290 %	Painting plan	: 207A
Insulation class	: F	Color	: RAL 5009
Service factor	: 1.15		
Moment of inertia (J)	: 0.5553 sq.ft.lb		
Output	50% 75% 100%	Load type	: -
Efficiency (%)	73.7 79.7 82.4	Load torque	: -
Power Factor	0.92 0.95 0.96	Load inertia (J=GD ² /4)	: -
Bearing type	Drive end 6308-ZZ Non drive end 6206-ZZ	Foundation loads	
Lubrication interval	-	Max. traction	: -
Lubricant amount	-	Max. compression	: -
Lubricant type	MOBIL POLYREX EM		

Notes

Standards	Specification	: IEC 60034-1	Vibration	: IEC 60034-14
	Test	: IEC 60034-2	Tolerance	: IEC 60034-1
	Noise	: IEC 60034-9		

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.
 (4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in IEC 60034-1.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	kmello			1383095310	
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