

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line : W01 - ODP - Nema Premium Efficiency					
Frame : 143/5TC		Locked rotor time : 22 s (hot) 40 s (cold)			
Output : 1 HP (0.75 kW)		Temperature rise : 80 K			
Poles : 4		Duty cycle : S1			
Frequency : 60 Hz		Ambient temperature : -20 °C to +40 °C			
Rated voltage : 575 V		Altitude : 3280 ft			
Rated current : 1.21 A		Protection degree : IP21			
L. R. Amperes : 9.66 A		Cooling method : IC01 - ODP			
LRC : 8.0		Mounting : W-6/V17R(D)			
No load current : 0.766 A		Rotation ¹ : Both			
Rated speed : 1760 rpm		Noise level ² : 52.0 dB(A)			
Slip : 2.22 %		Vibration class : A			
Rated torque : 2.94 ft.lb		Starting method : Direct On Line			
Locked rotor torque : 290 %		Approx. weight ³ : 34.9 lb			
Pull up torque : 245 %		Painting plan : 207N			
Breakdown torque : 360 %		Color : MUNSELL N 1 - MATTE			
Insulation class : F		Design : B			
Service factor : 1.15					
Moment of inertia (J) : 0.1092 sq.ft.lb					
Output	50%	75%	100%	Load type : -	
Efficiency (%)	81.5	84.0	85.5	Load torque : -	
Power Factor	0.51	0.65	0.73	Load inertia (J=GD ² /4) : -	
Bearing type #1	Drive end 6205-ZZ	Non drive end 6203-ZZ	Foundation loads		
Bearing type #2	-	-	Max. traction :		
Lubrication interval	-	-	Max. compression :		
Lubricant amount #1	-	-			
Lubricant amount #2	-	-			
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	fmonroy			Page	Rev.
Checked by				1 / 2	0
Date	13/07/2026				

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

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

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