

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line		: Saw Arbor Motor Three-Phase		Product code : 10023141 Catalog # : 00336ES3ESA80SL	
Frame	: 80S/MS	Locked rotor time	: 16s (cold) 9s (hot)		
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K		
Poles	: 2	Duty cycle	: S1		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 9.49-8.58/4.29 A	Protection degree	: IP54		
L. R. Amperes	: 69.3-62.6/31.3 A	Cooling method	: IC411 - TEFC		
LRC	: 7.3	Mounting	: B3R(D)		
No load current	: 4.55-4.11/2.06 A	Rotation ¹	: CW		
Rated speed	: 3500 rpm	Noise level ²	: 62.0 dB(A)		
Slip	: 2.78 %	Starting method	: Direct On Line		
Rated torque	: 4.44 ft.lb	Approx. weight ³	: 84.8 lb		
Locked rotor torque	: 330 %				
Breakdown torque	: 370 %				
Insulation class	: F				
Service factor	: 1.00				
Moment of inertia (J)	: 0.0747 sq.ft.lb				
Design	: N				
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	76.0	79.5	80.5	Max. traction : 63 lb	
Power Factor	0.65	0.75	0.80	Max. compression : 147 lb	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6307 ZZ	6207 ZZ		
Sealing	:	Without Bearing Seal	Without Bearing Seal		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
Lubricant type	:	Mobil Polyrex EM			
Notes					
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 changes 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 NEMA MG-1.		
Rev.	Changes Summary		Performed	Checked	Date
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Date	22/01/2018			1 / 1	