

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel Standard Efficiency Three-Phase		Product code :	12621379		
			Catalog # :	00118ES3E56-S		
Frame	: 56	Locked rotor time	: 21s (cold) 12s (hot)			
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K			
Poles	: 4	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 3.32/1.66 A	Protection degree	: IP55			
L. R. Amperes	: 25.6/12.8 A	Cooling method	: IC411 - TEFC			
LRC	: 7.7x(Code M)	Mounting	: F-1			
No load current	: 2.40/1.20 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1760 rpm	Noise level ²	: 52.0 dB(A)			
Slip	: 2.22 %	Starting method	: Direct On Line			
Rated torque	: 2.98 ft.lb	Approx. weight ³	: 26.8 lb			
Locked rotor torque	: 270 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.0842 sq.ft.lb					
Design	: A					
Output	25%	50%	75%	100%		
Efficiency (%)	72.4	74.3	74.0	74.9		
	68.0	69.9	75.4	77.3		
Power Factor	0.26	0.32	0.48	0.57		
	0.25	0.47	0.61	0.71		
Foundation loads						
	Max. traction		: 96 lb			
	Max. compression		: 123 lb			
Drive end						
Bearing type	: 6204 ZZ	Non drive end	6202 ZZ			
Sealing	: V'Ring		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.						
Rev.	Changes Summary			Performed		
				Checked		
Performed by				Page		
Checked by				Revision		
Date	27/03/2024					
1 / 1						