

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel Premium Efficiency Three-Phase		Product code :	13484631		
			Catalog # :	00156ET3E56-S		
Frame	: 56	Locked rotor time	: 30s (cold) 17s (hot)			
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K			
Poles	: 2	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	: 3.74/1.87 A	Protection degree	: IP55			
L. R. Amperes	: 34.0/17.0 A	Cooling method	: IC411 - TEFC			
LRC	: 9.1x(Code L)	Mounting	: F-1			
No load current	: 1.72/0.859 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 3520 rpm	Noise level ²	: 68.0 dB(A)			
Slip	: 2.22 %	Starting method	: Direct On Line			
Rated torque	: 2.24 ft.lb	Approx. weight ³	: 32.3 lb			
Locked rotor torque	: 229 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.1023 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	78.4	83.1	80.0	82.6		
	81.4	81.7	84.0	83.9		
Power Factor	0.44	0.49	0.71	0.77		
	0.43	0.70	0.82	0.88		
Foundation loads						
	Max. traction		: 71 lb			
	Max. compression		: 103 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:						
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>						
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		
Performed by						
Checked by						
Date	27/03/2024					
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