

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : NEMA Premium Efficiency Three-Phase		Product code : 12039624		Catalog # : 03012ST3QIE326TC-W22	
Frame : 324/6TC	Output : 30 HP (22 kW)	Poles : 6	Frequency : 60 Hz	Rated voltage : 460 V	
Rated current : 36.2 A	L. R. Amperes : 224 A	LRC : 6.2x(Code G)	No load current : 14.5 A	Rated speed : 1180 rpm	
Slip : 1.67 %	Rated torque : 134 ft.lb	Locked rotor torque : 220 %	Breakdown torque : 240 %	Insulation class : F	
Service factor : 1.25	Moment of inertia (J) : 13.2 sq.ft.lb	Design : B	Locked rotor time : 37s (cold) 21s (hot)	Temperature rise : 80 K	
			Duty cycle : Cont.(S1)	Ambient temperature : -20°C to +40°C	
			Altitude : 1000 m.a.s.l.	Protection degree : IP55	
			Cooling method : IC411 - TEFC	Mounting : F-2	
			Rotation ¹ : Both (CW and CCW)	Noise level ² : 62.0 dB(A)	
			Starting method : Direct On Line	Approx. weight ³ : 611 lb	
Output	25%	50%	75%	100%	
Efficiency (%)	91.5	91.7	93.0	93.0	
Power Factor	0.42	0.65	0.77	0.82	
Foundation loads					
Max. traction : 1175 lb					
Max. compression : 1786 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type :	6312 C3		6212 C3		
Sealing :	Inpro/Seal		Inpro/Seal		
Lubrication interval :	20000 h		20000 h		
Lubricant amount :	21 g		13 g		
Lubricant type :	Mobil Polyrex EM				
Notes 03012ST3QIE326TC-W22, F2					
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
Performed by					
Checked by					
Date	13/12/2022			Page	Revision
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