

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase		Product code : 11435296		Catalog # : 30012ST3QIE449T-W22	
Frame : L447/9T	Output : 300 HP (220 kW)	Locked rotor time : 32s (cold) 18s (hot)	Temperature rise : 80 K	Duty cycle : Cont.(S1)	
Poles : 6	Frequency : 60 Hz	Ambient temperature : -20°C to +40°C	Altitude : 1000 m.a.s.l.	Protection degree : IP55	
Rated voltage : 460 V	Rated current : 351 A	Cooling method : IC411 - TEFC	Mounting : F-1	Rotation ¹ : Both (CW and CCW)	
L. R. Amperes : 2352 A	LRC : 6.7x(Code G)	Starting method : Direct On Line	Approx. weight ³ : 3574 lb		
No load current : 130 A	Rated speed : 1190 rpm				
Slip : 0.83 %	Rated torque : 1320 ft.lb				
Locked rotor torque : 240 %	Breakdown torque : 250 %				
Insulation class : F	Service factor : 1.15				
Moment of inertia (J) : 257 sq.ft.lb	Design : B				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	95.0	95.8	95.8	
Power Factor	0.00	0.69	0.78	0.82	
Foundation loads		Max. traction : 7036 lb			
		Max. compression : 10610 lb			
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type :		6322 C3	6319 C3		
Sealing :		Inpro/Seal	Inpro/Seal		
Lubrication interval :		11000 h	13000 h		
Lubricant amount :		60 g	45 g		
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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Checked by				Page	Revision
Date	25/03/2024			1 / 1	