

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: W22 IEEE 841 NEMA Premium Efficiency Three-Phase			Product code :		12603171
					Catalog # :		00736ST3HIE213T-W22
Frame : 213/5T Output : 7.5 HP (5.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 7.18 A L. R. Amperes : 51.7 A LRC : 7.2x(Code H) No load current : 2.56 A Rated speed : 3525 rpm Slip : 2.08 % Rated torque : 11.2 ft.lb Locked rotor torque : 210 % Breakdown torque : 290 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.4665 sq.ft.lb Design : B				Locked rotor time : 39s (cold) 22s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP56 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 68.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 150 lb			
Output 25% 50% 75% 100%				Foundation loads			
Efficiency (%) 87.2 87.5 89.5 89.5				Max. traction : 107 lb			
Power Factor 0.49 0.74 0.83 0.86				Max. compression : 258 lb			
Losses at normative operating points (speed;torque), in percentage of rated output power							
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)	
11.2	8.7	7.6	6.0	3.6	2.4	1.5	
			<u>Drive end</u>		<u>Non drive end</u>		
Bearing type :			6308 C3		6207 C3		
Sealing :			Inpro/Seal		Inpro/Seal		
Lubrication interval :			20000 h		20000 h		
Lubricant amount :			11 g		7 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	
Performed by							
Checked by					Page	Revision	
Date	26/03/2024				1 / 1		