

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W40 High Efficiency Three-Phase			Product code : 14282972		
			Catalog # : 25018OP3HFP445TS-W40		
Frame : 444/5TS Output : 250 HP (185 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 226 A L. R. Amperes : 1449 A LRC : 6.4x(Code G) No load current : 60.7 A Rated speed : 1780 rpm Slip : 1.11 % Rated torque : 738 ft.lb Locked rotor torque : 190 % Breakdown torque : 220 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 51.5 sq.ft.lb Design : B		Locked rotor time : 30s (cold) 17s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP23 Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 1421 lb			
Output 25% 50% 75% 100%		Foundation loads			
Efficiency (%) 94.9 95.0 95.4 95.4		Max. traction : 3615 lb			
Power Factor 0.54 0.77 0.84 0.86		Max. compression : 5036 lb			
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type :		6314 C3		6212 Z C3	
Sealing :		Without Bearing Seal		Without Bearing Seal	
Lubrication interval :		20000 h		20000 h	
Lubricant amount :		27 g		13 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	