

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :										
Product line : W40 High Efficiency Three-Phase			Product code : 14281215							
			Catalog # : 07518OP3EFP365TS-W40							
Frame : 364/5TS Output : 75 HP (55 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 171/85.3 A L. R. Amperes : 1075/537 A LRC : 6.3x(Code G) No load current : 50.0/25.0 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 222 ft.lb Locked rotor torque : 180 % Breakdown torque : 229 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 15.2 sq.ft.lb Design : B		Locked rotor time : 34s (cold) 19s (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 : 778 lb								
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	93.5	91.6	93.6	92.0	94.1	92.4	94.1	92.7	Max. traction	: 1624 lb
	92.1	92.4	92.4	92.8	93.0	93.0	93.1	93.3		
Power Factor	0.52	0.55	0.75	0.79	0.83	0.86	0.86	0.87	Max. compression	: 2402 lb
	0.51	0.50	0.76	0.73	0.84	0.82	0.86	0.86		
Bearing type		<u>Drive end</u> 6314 C3			<u>Non drive end</u> 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			