

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : W40 High Efficiency Three-Phase	Product code : 15730616 Catalog # : 04015OP3OFP324TS-W40			
Frame : 324/6TS Output : 40 HP (30 kW) Poles : 4 Frequency : 50 Hz Rated voltage : 380 V Rated current : 57.7 A L. R. Amperes : 335 A LRC : 5.8x(Code F) No load current : 19.8 A Rated speed : 1471 rpm Slip : 1.93 % Rated torque : 143 ft.lb Locked rotor torque : 200 % Breakdown torque : 200 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 6.30 sq.ft.lb Design : B	Locked rotor time : 45s (cold) 25s (hot) Temperature rise : 70 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +50°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 : 481 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	90.5 89.6 93.0 93.0 93.0 93.0 93.0 93.0 88.7 93.0 93.0 93.0			
Power Factor	0.51 0.46 0.73 0.68 0.81 0.78 0.85 0.83 0.42 0.64 0.76 0.81			
	Foundation loads Max. traction Max. compression			
Bearing type	: <u>Drive end</u> 6312 Z C3 <u>Non drive end</u> 6211 Z C3			
Sealing	: Without Bearing Seal Without Bearing Seal			
Lubrication interval	: 4500 h 4500 h			
Lubricant amount	: 21 g 11 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	