

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W40 High Efficiency Three-Phase			Product code : 14490811			
			Catalog # : 04018OP3HFP324TS-W40			
Frame : 324TS Output : 40 HP (30 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 38.6 A L. R. Amperes : 231 A LRC : 6.0x(Code G) No load current : 12.8 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 118 ft.lb Locked rotor torque : 180 % Breakdown torque : 210 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 5.37 sq.ft.lb Design : B		Locked rotor time : 36s (cold) 20s (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 <sup>1</sup> : Both (CW and CCW) Starting method : Direct On Line Approx. weight <sup>3</sup> : 432 lb				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	92.2	92.4	93.0	93.0	Max. traction	
Power Factor	0.48	0.72	0.81	0.84	Max. compression	
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6312 Z C3		6211 Z C3		
Sealing	:	Without Bearing Seal		Without Bearing Seal		
Lubrication interval	:	20000 h		20000 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	