

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :									
Product line : W40 High Efficiency Three-Phase			Product code : 14282976						
			Catalog # : 30036OP3GFP445TS-W40						
Frame : 444/5TS Output : 300 HP (220 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 460 V Rated current : 327 A L. R. Amperes : 2126 A LRC : 6.5x(Code G) No load current : 75.2 A Rated speed : 3560 rpm Slip : 1.11 % Rated torque : 443 ft.lb Locked rotor torque : 130 % Breakdown torque : 200 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 28.1 sq.ft.lb Design : B		Locked rotor time : 32s (cold) 18s (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> : 1450 lb							
Output	25%	50%	75%	100%	Foundation loads				
Efficiency (%)	93.5	94.1	94.1	94.5	94.5	95.0	94.4	Max. traction	: 1749 lb
	94.2	93.7	94.5	94.1	94.5	94.5	94.7	Max. compression	: 3199 lb
Power Factor	0.62	0.63	0.85	0.85	0.88	0.89	0.89		
	0.58	0.55	0.82	0.80	0.88	0.86	0.89		
Bearing type		: 6314 C3		: 6212 Z C3					
Sealing		: Without Bearing Seal		: Without Bearing Seal					
Lubrication interval		: 14418 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		