

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code : 14270941		
				Catalog # : 07518OT3E365TF2-W40		
Frame	: 364/5T	Locked rotor time	: 25s (cold) 14s (hot)			
Output	: 75 HP (55 kW)	Temperature rise	: 80 K			
Poles	: 4	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 171/85.5 A	Protection degree	: IP23			
L. R. Amperes	: 1163/581 A	Cooling method	: IC01 - ODP			
LRC	: 6.8x(Code G)	Mounting	: F-2			
No load current	: 61.0/30.5 A	Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated speed	: 1780 rpm	Noise level <sup>2</sup>	: 69.0 dB(A)			
Slip	: 1.11 %	Starting method	: Direct On Line			
Rated torque	: 221 ft.lb	Approx. weight <sup>3</sup>	: 811 lb			
Locked rotor torque	: 220 %					
Breakdown torque	: 260 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 16.8 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	94.4	93.7	94.5	93.8		
	93.7	93.7	93.8	93.8		
Power Factor	0.48	0.48	0.73	0.73		
	0.43	0.40	0.69	0.66		
Foundation loads						
	Max. traction		: 1632 lb			
	Max. compression		: 2443 lb			
Drive end						
Bearing type	: 6314 C3	Non drive end	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.						
Rev.	Changes Summary			Performed		
				Checked		
Performed by						
Checked by						
Date	28/03/2024					
		Page	Revision			
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