

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: W40 NEMA Premium Efficiency Three-Phase		Product code :	14272482		
			Catalog # :	12518OT3E405T-W40		
Frame	: 404/5T	Locked rotor time	: 18s (cold) 10s (hot)			
Output	: 125 HP	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	: 276/138 A	Protection degree	: IP23			
L. R. Amperes	: 1904/952 A	Cooling method	: IC01 - ODP			
LRC	: 6.9x(Code G)	Mounting	: F-1			
No load current	: 94.0/47.0 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	: 369 ft.lb	Approx. weight <sup>3</sup>	: 1063 lb			
Locked rotor torque	: 270 %					
Breakdown torque	: 260 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 25.5 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	94.9	94.5	95.0	94.6		
	94.5	94.8	94.6	94.9		
Power Factor	0.50	0.50	0.75	0.76		
	0.46	0.43	0.72	0.69		
	Drive end		Non drive end			
Bearing type	: 6316 C3		: 6212 Z C3			
Sealing	: Without Bearing Seal		: Without Bearing Seal			
Lubrication interval	: 20000 h		: 20000 h			
Lubricant amount	: 34 g		: 13 g			
Lubricant type	: Mobil Polyrex EM					
Notes:						
This revision replaces and cancel the previous one, which must be eliminated.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.			
(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				Page		
Checked by				Revision		
Date	29/03/2024			1 / 1		