

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12744392		
			Catalog # :	02018OT3V256TC-S		
Frame	: 254/6TC	Locked rotor time	: 27s (cold) 15s (hot)			
Output	: 20 HP (15 kW)	Temperature rise	: 80 K			
Poles	: 4	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 200/400 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 57.5/28.8 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 362/181 A	Mounting	: F-1			
LRC	: 6.3x(Code G)	Rotation <sup>1</sup>	: Both (CW and CCW)			
No load current	: 26.3/13.1 A	Noise level <sup>2</sup>	: 64.0 dB(A)			
Rated speed	: 1770 rpm	Starting method	: Direct On Line			
Slip	: 1.67 %	Approx. weight <sup>3</sup>	: 227 lb			
Rated torque	: 59.3 ft.lb					
Locked rotor torque	: 240 %					
Breakdown torque	: 290 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 2.23 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	91.7	92.4	92.4	93.0		
Power Factor	0.38	0.63	0.74	0.81		
Foundation loads						
	Max. traction		: 712 lb			
	Max. compression		: 939 lb			
Drive end						
Bearing type	: 6309 Z C3	Non drive end	6208 Z C3			
Sealing	: Without Bearing Seal		Without Bearing Seal			
Lubrication interval	: 20000 h		20000 h			
Lubricant amount	: 13 g		8 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		
Performed by						
Checked by						
Date	27/03/2024					
		Page	Revision			
		1 / 1				