

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :								
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	15379018				
			Catalog # :	00318OT3E182T-SGH				
Frame	: 182/4T	Locked rotor time	: 27s (cold) 15s (hot)					
Output	: 3 HP (2.2 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	: 7.72/3.86 A	Cooling method	: IC01 - ODP					
L. R. Amperes	: 64.8/32.4 A	Mounting	: F-1					
LRC	: 8.4x(Code K)	Rotation <sup>1</sup>	: Both (CW and CCW)					
No load current	: 4.14/2.07 A	Noise level <sup>2</sup>	: 55.0 dB(A)					
Rated speed	: 1765 rpm	Starting method	: Direct On Line					
Slip	: 1.94 %	Approx. weight <sup>3</sup>	: 67.5 lb					
Rated torque	: 8.93 ft.lb							
Locked rotor torque	: 220 %							
Breakdown torque	: 330 %							
Insulation class	: H							
Service factor	: 1.15							
Moment of inertia (J)	: 0.3092 sq.ft.lb							
Design	: B							
Output	25%	50%	75%	100%				
Efficiency (%)	86.4	85.6	87.5	86.0				
	87.1	86.8	87.8	87.2				
Power Factor	0.35	0.42	0.60	0.68				
	0.35	0.60	0.73	0.81				
Foundation loads								
	Max. traction		: 171 lb					
	Max. compression		: 239 lb					
Bearing type	: 6206 ZZ		Drive end					
Sealing	: Without Bearing Seal		Non drive end					
Lubrication interval	: -		6205 ZZ					
Lubricant amount	: -		Without Bearing Seal					
Lubricant type	: Mobil Polyrex EM							
Notes:								
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>								
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							
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