

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12881319		
			Catalog # :	00318OT3V182T-S		
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	: 200/400 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 8.88/4.44 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 74.6/37.3 A	Mounting	: F-1			
LRC	: 8.4x(Code K)	Rotation <sup>1</sup>	: Both (CW and CCW)			
No load current	: 4.76/2.38 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>	: 67.0 lb			
Rated torque	: 8.93 ft.lb					
Locked rotor torque	: 220 %					
Breakdown torque	: 330 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.3092 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	86.4	87.5	88.5	89.5		
Power Factor	0.35	0.60	0.73	0.80		
Foundation loads						
	Max. traction		: 154 lb			
	Max. compression		: 221 lb			
Drive end						
Bearing type	: 6206 ZZ	Non drive end	6205 ZZ			
Sealing	: Without Bearing Seal		Without Bearing Seal			
Lubrication interval	: -		-			
Lubricant amount	: -		-			
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	27/03/2024					
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