

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12674797			
		Catalog # : 00318OT3P182T-S			
Frame : 182/4T Output : 3 HP (2.2 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 200 V Rated current : 8.88 A L. R. Amperes : 74.6 A LRC : 8.4x(Code K) No load current : 4.76 A Rated speed : 1765 rpm Slip : 1.94 % 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		Locked rotor time : 27s (cold) 15s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 55.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 66.6 lb			
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 : 155 lb					
Max. compression : 221 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6206 ZZ	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.			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	Date
Performed by					
Checked by				Page	Revision
Date	27/03/2024			1 / 1	