

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: General NEMA Premium Efficiency Three-Phase		Product code :	11012063		
				Catalog # : 00518OT3P184TF3		
Frame : 184T Output : 5 HP (3.7 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 200 V Rated current : 14.9 A L. R. Amperes : 109 A LRC : 7.3x(Code J) No load current : 7.82 A Rated speed : 1755 rpm Slip : 2.50 % Rated torque : 15.0 ft.lb Locked rotor torque : 210 % Breakdown torque : 290 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.3495 sq.ft.lb Design : B				Locked rotor time : 21s (cold) 12s (hot) Temperature rise : 105 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP21 Cooling method : IC01 - ODP Mounting : F-3 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> : 68.3 lb		
Output	25%	50%	75%	100%		
Efficiency (%)	88.2	88.5	89.5	89.5		
Power Factor	0.35	0.59	0.72	0.80		
Bearing type : 6206 ZZ Sealing : Without Bearing Seal Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM						
<u>Drive end</u> Max. traction : 243 lb <u>Non drive end</u> Max. compression : 311 lb						
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	25/03/2024					
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