

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12845395		
				Catalog # : 00536ET3H184TC-S		
Frame : 182/4TC Output : 5 HP (3.7 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 4.72 A L. R. Amperes : 36.8 A LRC : 7.8x(Code J) No load current : 1.76 A Rated speed : 3500 rpm Slip : 2.78 % Rated torque : 7.50 ft.lb Locked rotor torque : 220 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.2079 sq.ft.lb Design : B				Locked rotor time : 34s (cold) 19s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 68.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 91.1 lb		
Output	25%	50%	75%	100%		
Efficiency (%)	0.000	87.5	88.5	88.5		
Power Factor	0.00	0.76	0.85	0.89		
Bearing type : 6206 ZZ Sealing : V'Ring Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM						
<u>Drive end</u> Max. traction : 98 lb <u>Non drive end</u> Max. compression : 189 lb Without Bearing Seal						
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				Page		
Checked by				Revision		
Date	27/03/2024			1 / 1		