

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12751161		
				Catalog # : 00536ET3E184T-S		
Frame : 182/4T Output : 5 HP (3.7 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 11.8/5.90 A L. R. Amperes : 92.0/46.0 A LRC : 7.8x(Code J) No load current : 4.40/2.20 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 ¹ : Both (CW and CCW) Noise level ² : 68.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 82.1 lb		
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	87.5	88.5	88.5	Max. traction	: 102 lb
Power Factor	0.00	0.76	0.85	0.89	Max. compression	: 185 lb
Bearing type : 6206 ZZ Sealing : V'Ring Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM					<u>Drive end</u>	<u>Non drive end</u>
					6205 ZZ	Without Bearing Seal
Notes: USABLE @208V 13.1A SF 1.00 SFA 13.1A						
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					Page	Revision
Checked by						
Date	27/03/2024				1 / 1	