

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12845330		
				Catalog # : 00158ET3H145TC-S		
Frame : 143/5TC Output : 1.5 HP (1.1 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 1.62 A L. R. Amperes : 13.3 A LRC : 8.2x(Code K) No load current : 0.867 A Rated speed : 1750 rpm Slip : 2.78 % Rated torque : 4.50 ft.lb Locked rotor torque : 270 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.1101 sq.ft.lb Design : B				Locked rotor time : 37s (cold) 21s (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 : 52.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 38.6 lb		
Output	25%	50%	75%	100%		
Efficiency (%)	85.2	85.5	86.5	86.5		
Power Factor	0.35	0.59	0.72	0.79		
Bearing type : 6205 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 : 137 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						
Checked by						
Date	26/03/2024					
		Page	Revision			
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