

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :											
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 14459459		Catalog # : 00156OT3ER143TC-S							
Frame : 143/5TC Output : 1.5 HP (1.1 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 3.70/1.85 A L. R. Amperes : 31.8/15.9 A LRC : 8.6x(Code K) No load current : 1.62/0.809 A Rated speed : 3510 rpm Slip : 2.50 % Rated torque : 0.310 kgfm Locked rotor torque : 210 % Breakdown torque : 330 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0035 kgm ² 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. Cooling method : IC01 - ODP Mounting : W-6 Rotation ¹ : Both (CW and CCW) Noise level ² : 62.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 13.4 kg									
Output		25%	50%	75%	100%	Foundation loads					
Efficiency (%)		81.1	83.2	81.5	82.7	84.0	83.6	84.0	82.7	Max. traction : 25 kgf	
Power Factor		0.45	0.51	0.73	0.79	0.83	0.88	0.89	0.92	Max. compression : 38 kgf	
		0.43	0.71	0.83	0.83	0.83	0.88				
Bearing type		: Drive end			: Non drive end						
Sealing		: 6205 ZZ			: 6203 ZZ						
Lubrication interval		: Without Bearing Seal			: Without Bearing Seal						
Lubricant amount		: -			: -						
Lubricant type		: Mobil Polyrex EM			: 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		27/12/2023						1 / 1			