

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 13639218		Catalog # : 00158OT3ER145TC-S	
Frame : 143/5TC Output : 1.5 HP (1.1 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 4.14/2.07 A L. R. Amperes : 36.0/18.0 A LRC : 8.7x(Code L) No load current : 2.40/1.20 A Rated speed : 1760 rpm Slip : 2.22 % Rated torque : 0.619 kgfm Locked rotor torque : 280 % Breakdown torque : 330 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0060 kgm ² Design : B		Locked rotor time : 27s (cold) 15s (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 : 52.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 18.8 kg			
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	84.0 84.3 83.0	86.5 84.7 84.7	86.5 83.2 84.2	Max. traction : 57 kgf	
Power Factor	0.56 0.64 0.57	0.69 0.77 0.70	0.77 0.83 0.79	Max. compression : 76 kgf	
Bearing type :		Drive end 6205 ZZ	Non drive end 6203 ZZ		
Sealing :		Without Bearing Seal	Without Bearing Seal		
Lubrication interval :		-	-		
Lubricant amount :		-	-		
Lubricant type :		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	