

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :										
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12674940								
		Catalog # : 00336OT3E145T-SG								
Frame	: 143/5T			Locked rotor time	: 16s (cold) 9s (hot)					
Output	: 3 HP (2.2 kW)			Temperature rise	: 80 K					
Poles	: 2			Duty cycle	: Cont.(S1)					
Frequency	: 60 Hz			Ambient temperature	: -20°C to +40°C					
Rated voltage	: 230/460 V			Altitude	: 1000 m.a.s.l.					
Rated current	: 7.18/3.59 A			Cooling method	: IC01 - ODP					
L. R. Amperes	: 57.4/28.7 A			Mounting	: F-1					
LRC	: 8.0x(Code J)			Rotation <sup>1</sup>	: Both (CW and CCW)					
No load current	: 2.60/1.30 A			Noise level <sup>2</sup>	: 62.0 dB(A)					
Rated speed	: 3480 rpm			Starting method	: Direct On Line					
Slip	: 3.33 %			Approx. weight <sup>3</sup>	: 18.5 kg					
Rated torque	: 0.626 kgfm									
Locked rotor torque	: 229 %									
Breakdown torque	: 300 %									
Insulation class	: F									
Service factor	: 1.15									
Moment of inertia (J)	: 0.0054 kgm <sup>2</sup>									
Design	: B									
Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	83.7	89.4	84.0	86.6	85.5	85.0	85.5	81.8	Max. traction	: 49 kgf
	87.7		86.2		85.9		83.9			
Power Factor	0.50	0.56	0.76	0.83	0.86	0.90	0.90	0.93	Max. compression	: 68 kgf
	0.48		0.76		0.86		0.91			
Bearing type	:	<u>Drive end</u>		<u>Non drive end</u>						
Sealing	:	6205 ZZ		6203 ZZ						
Lubrication interval	:	Without Bearing Seal		Without Bearing Seal						
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	31/10/2023				1 / 1					