

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 12674955				
		Catalog # : 00218OT3E145T-SG				
Frame : 143/5T Output : 2 HP (1.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 5.38/2.69 A L. R. Amperes : 41.4/20.7 A LRC : 7.7x(Code K) No load current : 2.75/1.38 A Rated speed : 1740 rpm Slip : 3.33 % Rated torque : 0.834 kgfm Locked rotor torque : 260 % Breakdown torque : 320 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0049 kgm <sup>2</sup> Design : B		Locked rotor time : 30s (cold) 17s (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 : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 52.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 18.3 kg				
Output	25%	50%	75%	100%		
Efficiency (%)	85.2	85.5	86.5	86.5		
Power Factor	0.36	0.61	0.74	0.81		
		Foundation loads				
		Max. traction : 72 kgf				
		Max. compression : 90 kgf				
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6205 ZZ		6203 ZZ		
Sealing	:	Without Bearing Seal		Without Bearing Seal		
Lubrication interval	:	-		-		
Lubricant amount	:	-		-		
Lubricant type	:	Mobil Polyrex EM				
Notes USABLE @208V 5.95A SF 1.00 SFA 5.95A						
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	