

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 15379024				
		Catalog # : 00118OT3P143T-SGH				
Frame : 143/5T Output : 1 HP (0.75 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 200 V Rated current : 3.47 A L. R. Amperes : 27.8 A LRC : 8.0x(Code L) No load current : 2.20 A Rated speed : 1760 rpm Slip : 2.22 % Rated torque : 2.98 ft.lb Locked rotor torque : 290 % Breakdown torque : 360 % Insulation class : H Service factor : 1.15 Moment of inertia (J) : 0.1101 sq.ft.lb Design : B		Locked rotor time : 39s (cold) 22s (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> : 34.9 lb				
Output	25%	50%	75%	100%		
Efficiency (%)	79.9	81.5	84.0	85.5		
Power Factor	0.29	0.51	0.65	0.73		
		Foundation loads				
		Max. traction : 76 lb				
		Max. compression : 111 lb				
		<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						
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	31/07/2023				1 / 1	