

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: Rolled Steel High Efficiency Three-Phase		Product code :	13097190	
Frame : 254/6TC Output : 7.5 HP (5.5 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 20.8/10.4 A L. R. Amperes : 114/57.2 A LRC : 5.5x(Code G) No load current : 11.5/5.75 A Rated speed : 1175 rpm Slip : 2.08 % Rated torque : 33.5 ft.lb Locked rotor torque : 220 % Breakdown torque : 240 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 1.84 sq.ft.lb Design : B		Locked rotor time : 48s (cold) 27s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 59.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 193 lb			
Output	25%	50%	75%	100%	
Efficiency (%)	87.2	89.7	87.5	88.4	
	87.1	86.9	88.1	87.5	
Power Factor	0.32	0.37	0.55	0.62	
	0.31	0.54	0.67	0.74	
Bearing type : 6309 Z C3 Sealing : V'Ring Lubrication interval : 20000 h Lubricant amount : 13 g Lubricant type : Mobil Polyrex EM					
<u>Drive end</u> <u>Non drive end</u> 6208 Z C3 Without Bearing Seal 20000 h 8 g					
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	
Performed by					
Checked by					
Date		26/03/2024			
Page		Revision			
1 / 1					