

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 15379019

Catalog # : 003120T3E213T-SGH

Frame : 213/5T  
Output : 3 HP (2.2 kW)  
Poles : 6  
Frequency : 60 Hz  
Rated voltage : 230/460 V  
Rated current : 8.32/4.16 A  
L. R. Amperes : 49.1/24.5 A  
LRC : 5.9x(Code H)  
No load current : 4.58/2.29 A  
Rated speed : 1175 rpm  
Slip : 2.08 %  
Rated torque : 13.4 ft.lb  
Locked rotor torque : 210 %  
Breakdown torque : 260 %  
Insulation class : H  
Service factor : 1.15  
Moment of inertia (J) : 0.8104 sq.ft.lb  
Design : B

Locked rotor time : 70s (cold) 39s (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> : 55.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 105 lb

Output	25%		50%		75%		100%	
Efficiency (%)	85.4	86.9	86.5	85.8	87.5	86.1	88.5	84.6
	85.0		84.9		86.3		85.8	
Power Factor	0.33	0.38	0.56	0.63	0.68	0.75	0.75	0.80
	0.32		0.56		0.69		0.76	

Foundation loads  
Max. traction : 167 lb  
Max. compression : 272 lb

	Drive end	Non drive end
Bearing type	: 6208 ZZ	: 6206 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		Page 1 / 1		
Checked by				
Date	27/03/2024			
		Revision		