

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 14118247

Catalog # : 00712ET3E254TWLT

Frame : 254/6T  
 Output : 7.5 HP (5.5 kW)  
 Poles : 6  
 Frequency : 60 Hz  
 Rated voltage : 230/460 V  
 Rated current : 19.0/9.48 A  
 L. R. Amperes : 129/64.5 A  
 LRC : 6.8x(Code H)  
 No load current : 9.20/4.60 A  
 Rated speed : 1180 rpm  
 Slip : 1.67 %  
 Rated torque : 33.4 ft.lb  
 Locked rotor torque : 250 %  
 Breakdown torque : 300 %  
 Insulation class : F  
 Service factor : 1.25  
 Moment of inertia (J) : 3.92 sq.ft.lb  
 Design : B

Locked rotor time : 54s (cold) 30s (hot)  
 Temperature rise : 80 K  
 Duty cycle : Cont.(S1)  
 Ambient temperature : -48°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> : 300 lb

Output	25%	50%	75%	100%				
Efficiency (%)	0.000	89.5	89.5	90.2	89.5	91.0	88.5	
	0.000							
Power Factor	0.00	0.00	0.63	0.66	0.74	0.77	0.80	0.82

Foundation loads  
 Max. traction : 315 lb  
 Max. compression : 615 lb

	Drive end	Non drive end
Bearing type :	6309 C3	6209 C3
Sealing :	Low Temperature Lip Seal	Low Temperature Lip Seal
Lubrication interval :	20000 h	20000 h
Lubricant amount :	12 g	8 g
Lubricant type :	Mobil Temp SHC 32	

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	29/03/2024			
		Revision		