

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency  
Three-Phase

Product code : 12744394

Catalog # : 02036OT3H254T-S

Frame : 254/6T  
Output : 20 HP (15 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 575 V  
Rated current : 19.0 A  
L. R. Amperes : 114 A  
LRC : 6.0x(Code G)  
No load current : 6.80 A  
Rated speed : 3525 rpm  
Slip : 2.08 %  
Rated torque : 29.8 ft.lb  
Locked rotor torque : 180 %  
Breakdown torque : 240 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 0.7848 sq.ft.lb  
Design : B

Locked rotor time : 23s (cold) 13s (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> : 70.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 168 lb

Output	50%	75%	100%
Efficiency (%)	90.2	91.0	91.0
Power Factor	0.76	0.83	0.87

Foundation loads  
Max. traction : 259 lb  
Max. compression : 426 lb

	Drive end	Non drive end
Bearing type	6309 Z C3	6208 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	13 g	8 g
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		