

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14495003

Catalog # : 02036OT3H254T-W40

Frame : 254T  
Output : 20 HP (15 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 575 V  
Rated current : 19.5 A  
L. R. Amperes : 123 A  
LRC : 6.3x(Code G)  
No load current : 6.32 A  
Rated speed : 3530 rpm  
Slip : 1.94 %  
Rated torque : 29.8 ft.lb  
Locked rotor torque : 200 %  
Breakdown torque : 260 %  
Insulation class : F  
Service factor : 1.25  
Moment of inertia (J) : 0.8718 sq.ft.lb  
Design : B

Locked rotor time : 19s (cold) 11s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP23  
Cooling method : IC01 - ODP  
Mounting : F-1  
Rotation<sup>1</sup> : Both (CW and CCW)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 195 lb

Output	25%	50%	75%	100%
Efficiency (%)	90.0	90.2	91.0	91.0
Power Factor	0.49	0.72	0.82	0.85

Foundation loads

Max. traction

Max. compression

	Drive end	Non drive end
Bearing type	6309 Z C3	6209 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	20000 h	20000 h
Lubricant amount	13 g	9 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	29/03/2024			
		Revision		