

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14272435

Catalog # : 12536OT3G404TS-W40

Frame : 404/5TS  
Output : 125 HP  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 460 V  
Rated current : 136 A  
L. R. Amperes : 925 A  
LRC : 6.8x(Code G)  
No load current : 36.0 A  
Rated speed : 3557 rpm  
Slip : 1.19 %  
Rated torque : 185 ft.lb  
Locked rotor torque : 170 %  
Breakdown torque : 260 %  
Insulation class : F  
Service factor : 1.25  
Moment of inertia (J) : 8.23 sq.ft.lb  
Design : B

Locked rotor time : 21s (cold) 12s (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)  
Noise level<sup>2</sup> : 84.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 894 lb

Output	25%	50%	75%	100%				
Efficiency (%)	92.8	90.2	93.0	91.9	94.1	92.9	94.1	94.7
Power Factor	0.57	0.59	0.79	0.80	0.86	0.86	0.88	0.88
	0.55	0.48	0.77	0.70	0.84	0.80	0.86	0.84

Foundation loads  
Max. traction : 1093 lb  
Max. compression : 1987 lb

	Drive end	Non drive end
Bearing type	6314 C3	6212 Z C3
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	14418 h	20000 h
Lubricant amount	27 g	13 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		