

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Hazardous Area Standard Efficiency  
Three-Phase

Product code : 16856007

Catalog # : 90036WT3Q5010-W60LV2

Frame : 5010/11  
Output : 900 HP (660 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 460 V  
Rated current : 980 A  
L. R. Amperes : 6370 A  
LRC : 6.5x(Code G)  
No load current : 165 A  
Rated speed : 3565 rpm  
Slip : 0.97 %  
Rated torque : 1330 ft.lb  
Locked rotor torque : 70 %  
Breakdown torque : 220 %  
Insulation class : F  
Service factor : 1.00  
Moment of inertia (J) : 92.5 sq.ft.lb

Locked rotor time : 27s (cold) 15s (hot)  
Temperature rise : 80 K  
Duty cycle : Cont.(S1)  
Ambient temperature : -20°C to +40°C  
Altitude : 1000 m.a.s.l.  
Protection degree : IP24  
Mounting : F-1  
Rotation<sup>1</sup> : CCW  
Noise level<sup>2</sup> : 85.0 dB(A)  
Starting method : VFD

Output	25%	50%	75%	100%
Efficiency (%)	0.000	94.5	95.0	95.0
Power Factor	0.00	0.86	0.88	0.89

### Notes:

CSA  
Class I, Div 2, Gr A, B, C and D - T3

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).
- (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 Revision 1 /		
Checked by				
Date	27/03/2024			

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