

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W60 Hazardous Area Three-Phase Product code : 17422663

Frame	: 5010/11	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 300 HP (220 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: 0°C to +40°C
Rated voltage	: 2300/4000 V	Altitude	: 1000 m.a.s.l.
Rated current	: 70.9/40.8 A	Protection degree	: IP24
L. R. Amperes	: 461/265 A	Mounting	: F-1
LRC	: 6.5x(Code G)	Rotation <sup>1</sup>	: Both (CW and CCW)
No load current	: 23.0/13.2 A	Noise level <sup>2</sup>	: 85.0 dB(A)
Rated speed	: 1789 rpm	Starting method	: Direct On Line
Slip	: 0.61 %		
Rated torque	: 881 ft.lb		
Locked rotor torque	: 70 %		
Breakdown torque	: 225 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 178 sq.ft.lb		

Output	25%	50%	75%	100%				
Efficiency (%)	0.000	93.2	93.2	94.5	94.5	95.0	95.0	
	0.000	93.2	94.5	95.0				
	0.000							
Power Factor	0.00	0.00	0.72	0.72	0.79	0.79	0.82	0.82
	0.00	0.72	0.72	0.79	0.82			

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
Checked by		1 /		
Date	27/03/2024			