

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Hazardous Area Three-Phase

Product code : 16854301
Catalog # : 225036WT3X6810-W60MV1

Frame	: 6810/11	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 2000 HP (1500 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 447/257 A	Protection degree	: IP24
L. R. Amperes	: 2906/1671 A	Mounting	: F-1
LRC	: 6.5x(Code G)	Rotation ¹	: CW
No load current	: 98.0/56.4 A	Noise level ²	: 88.0 dB(A)
Rated speed	: 3573 rpm	Starting method	: VFD
Slip	: 0.75 %		
Rated torque	: 2940 ft.lb		
Locked rotor torque	: 45 %		
Breakdown torque	: 229 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 252 sq.ft.lb		
Output	25% 50% 75% 100%		
Efficiency (%)	0.000 95.0 95.4 95.8 95.8 95.8 95.8 95.8 0.000		
Power Factor	0.00 0.00 0.82 0.82 0.87 0.87 0.88 0.88		

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

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