

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Hazardous Area Three-Phase

Product code : 16840969
Catalog # : 150018WT3X6810-W60MV

Frame : 6810/11
Output : 1500 HP (1100 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 2300/4000 V
Rated current : 351/202 A
L. R. Amperes : 2282/1313 A
LRC : 6.5x(Code G)
No load current : 135/77.6 A
Rated speed : 1787 rpm
Slip : 0.72 %
Rated torque : 4410 ft.lb
Locked rotor torque : 70 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 332 sq.ft.lb

Locked rotor time : 25s (cold) 14s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : 0°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP24
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 85.0 dB(A)
Starting method : VFD

Output	25%	50%	75%	100%
Efficiency (%)	0.000	95.4	95.8	96.0
Power Factor	0.00	0.68	0.77	0.82

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		Page Revision		
Checked by				
Date	27/03/2024			