

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W60 Hazardous Area Three-Phase

Product code :

16840971

Catalog # :

225018WT3X6810-
W60MV

Frame : 6810/11
 Output : 1750 HP (1320 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 2300/4000 V
 Rated current : 414/238 A
 L. R. Amperes : 2981/1714 A
 LRC : 7.2x(Code H)
 No load current : 160/92.0 A
 Rated speed : 1790 rpm
 Slip : 0.56 %
 Rated torque : 5130 ft.lb
 Locked rotor torque : 80 %
 Breakdown torque : 280 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 475 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	95.8	96.0	96.4	96.6	96.5	96.6	
	0.000	96.2	96.6	96.6	96.6			
	0.000							
Power Factor	0.00	0.00	0.69	0.72	0.79	0.81	0.83	0.84
	0.00	0.75	0.82	0.82	0.85			

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			
			Page	Revision
			1 /	