

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W60 Hazardous Area Three-Phase

Product code : 16856002
Catalog # : 150036WT3X5810-W60MV2

Frame : L5810/11
Output : 1250 HP (900 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 2300/4000 V
Rated current : 269/155 A
L. R. Amperes : 2152/1240 A
LRC : 8.0x(Code H)
No load current : 67.0/38.5 A
Rated speed : 3575 rpm
Slip : 0.69 %
Rated torque : 1840 ft.lb
Locked rotor torque : 60 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 195 sq.ft.lb

Locked rotor time : 10s (cold) 6s (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 : CCW
Noise level² : 88.0 dB(A)
Starting method : VFD

Output	25%	50%	75%	100%
Efficiency (%)	0.000	94.5	94.5	95.0 95.0 95.4 95.4
	0.000			
Power Factor	0.00	0.00	0.81 0.84	0.86 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		Page Revision		
Checked by				
Date	27/03/2024			
		1 /		