

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Hazardous Area Three-Phase

Product code :

16854235

Catalog # :

150036WT3X5810-W60MV1

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 : CW
 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
Power Factor	0.00	0.00	0.81	0.84	0.86	0.87	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		1 /		
Date	27/03/2024			