

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Hazardous Area Three-Phase

Product code :

16840538

Catalog # :

125018WT3X5810-
W60MV

Frame : L5810/11
Output : 1000 HP (750 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 2300/4000 V
Rated current : 235/135 A
L. R. Amperes : 1669/959 A
LRC : 7.1x(Code H)
No load current : 91.0/52.3 A
Rated speed : 1791 rpm
Slip : 0.50 %
Rated torque : 2930 ft.lb
Locked rotor torque : 90 %
Breakdown torque : 290 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 231 sq.ft.lb

Locked rotor time : 27s (cold) 15s (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	94.5	94.5	95.4	95.0	95.5	95.4	
	0.000							
Power Factor	0.00	0.00	0.70	0.76	0.79	0.84	0.84	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		Page Revision		
Checked by				
Date	27/03/2024			

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