

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Hazardous Area Three-Phase

Product code :

16854236

Catalog # :

175036WT3X5810-
W60MV

Frame : 6810/11
Output : 1750 HP (1320 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 2300/4000 V
Rated current : 395/227 A
L. R. Amperes : 2370/1362 A
LRC : 6.0x(Code F)
No load current : 85.0/48.9 A
Rated speed : 3575 rpm
Slip : 0.69 %
Rated torque : 2570 ft.lb
Locked rotor torque : 50 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 247 sq.ft.lb

Locked rotor time : 18s (cold) 10s (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	95.0	95.4	95.4
Power Factor	0.00	0.82	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				
Date	27/03/2024			

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