

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Hazardous Area Three-Phase

Product code : 16855999
Catalog # : 70036WT3X5010-W60MV2

Frame : 5010/11
Output : 700 HP (515 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 2300/4000 V
Rated current : 155/88.9 A
L. R. Amperes : 853/489 A
LRC : 5.5x(Code E)
No load current : 35.0/20.1 A
Rated speed : 3561 rpm
Slip : 1.08 %
Rated torque : 1030 ft.lb
Locked rotor torque : 60 %
Breakdown torque : 170 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 107 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 : CCW
Noise level² : 85.0 dB(A)
Starting method : VFD

Output	25%	50%	75%	100%
Efficiency (%)	0.000	94.5	95.4	95.0
Power Factor	0.00	0.85	0.88	0.88

Notes:

CSA
Class I, Div 2, Gr B, C and D - T3

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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