

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Hazardous Area Standard Efficiency
Three-Phase

Product code : 16856006

Catalog # : 60036WT3Q5010-W60LV2

Frame : 5010/11
Output : 600 HP (440 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 657 A
L. R. Amperes : 3614 A
LRC : 5.5x(Code E)
No load current : 82.0 A
Rated speed : 3550 rpm
Slip : 1.39 %
Rated torque : 888 ft.lb
Locked rotor torque : 70 %
Breakdown torque : 170 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 71.2 sq.ft.lb

Locked rotor time : 36s (cold) 20s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°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	93.6	94.5	94.5
Power Factor	0.00	0.86	0.88	0.89

Notes:

CSA
Class I, Div 2, Gr A, 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			