

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W60 Hazardous Area Three-Phase

Product code :

16856001

Catalog # :

100036WT3X5010-
W60MV2

Frame : 5010/11
 Output : 1000 HP (750 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 2300/4000 V
 Rated current : 225/129 A
 L. R. Amperes : 1463/839 A
 LRC : 6.5x(Code G)
 No load current : 41.7/24.3 A
 Rated speed : 3565 rpm
 Slip : 0.97 %
 Rated torque : 1470 ft.lb
 Locked rotor torque : 60 %
 Breakdown torque : 200 %
 Insulation class : F
 Service factor : 1.00
 Moment of inertia (J) : 94.0 sq.ft.lb

Locked rotor time : 12s (cold) 7s (hot)
 Temperature rise : 105 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	95.0	95.4	95.0
Power Factor	0.00	0.82	0.86	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			