

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W50 Three-Phase

Product code : 13305564
Catalog # : 70018ET3X6806-W50MV

Frame : 6806/07
Output : 700 HP (515 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 2300 V
Rated current : 161 A
L. R. Amperes : 1047 A
LRC : 6.5x(Code G)
No load current : 52.4 A
Rated speed : 1789 rpm
Slip : 0.61 %
Rated torque : 2050 ft.lb
Locked rotor torque : 140 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 427 sq.ft.lb

Locked rotor time : 45s (cold) 25s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 82.0 dB(A)
Starting method : Direct On Line

Output	25%	50%	75%	100%
Efficiency (%)	0.000	94.5	94.5	95.0 95.0 95.4 95.4
	0.000			
Power Factor	0.00	0.00	0.73 0.71	0.81 0.80 0.84 0.83

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 1 /		
Checked by				
Date	27/03/2024			