

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W50 Three-Phase

Product code : 13305336
Catalog # : 70012ET3X6808-W50MV

Frame : 6808/09
Output : 700 HP (515 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 2300 V
Rated current : 158 A
L. R. Amperes : 1027 A
LRC : 6.5x(Code G)
No load current : 50.0 A
Rated speed : 1193 rpm
Slip : 0.58 %
Rated torque : 3080 ft.lb
Locked rotor torque : 85 %
Breakdown torque : 229 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 624 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 : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 81.0 dB(A)
Starting method : Direct On Line

Output	25%		50%		75%		100%	
Efficiency (%)	0.000	0.000	95.0	95.0	95.4	95.4	95.4	95.4
Power Factor	0.00	0.00	0.75	0.74	0.83	0.82	0.86	0.85

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 1 / Revision		
Checked by				
Date	27/03/2024			