

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 12674692
Catalog # : 01036OT3E213TC-S

Frame	: 213/5TC	Locked rotor time	: 39s (cold) 22s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 24.8/12.4 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 169/84.3 A	Mounting	: F-1
LRC	: 6.8x(Code H)	Rotation ¹	: Both (CW and CCW)
No load current	: 11.2/5.60 A	Noise level ²	: 66.0 dB(A)
Rated speed	: 3535 rpm	Starting method	: Direct On Line
Slip	: 1.81 %	Approx. weight ³	: 126 lb
Rated torque	: 14.9 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4651 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	88.5 87.9	89.5 88.0	89.5 88.1	Max. traction	: 201 lb
	88.0	88.1	88.1		
Power Factor	0.68 0.75	0.80 0.84	0.85 0.88	Max. compression	: 326 lb
	0.65	0.76	0.84		

	Drive end	Non drive end
Bearing type	: 6208 ZZ	: 6206 ZZ
Sealing	: Without Bearing Seal	: Without Bearing Seal
Lubrication interval	: -	: -
Lubricant amount	: -	: -
Lubricant type	: Mobil Polyrex EM	

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).
- (3) Approximate weight subject to changes after manufacturing process.
- (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				
Checked by			Page	Revision
Date	29/04/2024		1 / 1	