

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 13202800
 Catalog # : 00736ET3E213T-SRT

Frame	: 213/5T	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 19.4-17.5/8.76 A	Protection degree	: IP55
L. R. Amperes	: 140-126/63.1 A	Cooling method	: IC411 - TEFC
LRC	: 7.2x(Code H)	Mounting	: F-1
No load current	: 0.000-6.40/3.20 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3490 rpm	Noise level ²	: 70.0 dB(A)
Slip	: 3.06 %	Starting method	: Direct On Line
Rated torque	: 11.1 ft.lb		
Locked rotor torque	: 229 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: B		
Design			

Output	25%	50%	75%	100%
Efficiency (%)	0.000	86.5	88.0	89.5
Power Factor	0.00	0.74	0.83	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	23/01/2018			