

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12674856

Catalog # : 003120T3E213TC-S

Frame : 213/5TC
Output : 3 HP (2.2 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 8.32/4.16 A
L. R. Amperes : 49.1/24.5 A
LRC : 5.9x(Code H)
No load current : 4.58/2.29 A
Rated speed : 1175 rpm
Slip : 2.08 %
Rated torque : 13.4 ft.lb
Locked rotor torque : 210 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.8104 sq.ft.lb
Design : B

Locked rotor time : 70s (cold) 39s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 55.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 98.3 lb

Output	25%		50%		75%		100%	
Efficiency (%)	85.4	86.9	86.5	85.8	87.5	86.1	88.5	84.6
	85.0		84.9		86.3		85.8	
Power Factor	0.33	0.38	0.56	0.63	0.68	0.75	0.75	0.80
	0.32		0.56		0.69		0.76	

Foundation loads
Max. traction : 170 lb
Max. compression : 269 lb

	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		Page 1 / 1		
Checked by				
Date	27/03/2024			
		Revision		