

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 14459466

Catalog # : 01036OT3ER213TC-S

Frame : 213/5TC
Output : 10 HP (7.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 24.0/12.0 A
L. R. Amperes : 163/81.6 A
LRC : 6.8x(Code H)
No load current : 9.32/4.66 A
Rated speed : 3535 rpm
Slip : 1.81 %
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

Locked rotor time : 19s (cold) 11s (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 : W-6
Rotation¹ : Both (CW and CCW)
Noise level² : 66.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 122 lb

Output	25%		50%		75%		100%	
Efficiency (%)	88.3	91.2	88.5	89.4	89.5	88.6	89.5	86.5
	89.9		89.0		89.1		87.9	
Power Factor	0.47	0.53	0.74	0.80	0.84	0.88	0.88	0.91
	0.45		0.73		0.84		0.89	

Foundation loads
Max. traction : 191 lb
Max. compression : 314 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	26/03/2024			
		Revision		