

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 14459467

Catalog # : 01536OT3ER215TC-S

Frame : 213/5TC
Output : 15 HP (11 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 34.4/17.2 A
L. R. Amperes : 234/117 A
LRC : 6.8x(Code G)
No load current : 12.3/6.17 A
Rated speed : 3535 rpm
Slip : 1.81 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 210 %
Breakdown torque : 280 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.5512 sq.ft.lb
Design : B

Locked rotor time : 14s (cold) 8s (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 : 138 lb

Output	25%		50%		75%		100%	
Efficiency (%)	90.1	91.3	90.2	90.2	90.2	88.9	90.2	87.6
			89.8		89.5		88.0	
Power Factor	0.50	0.57	0.77	0.83	0.86	0.89	0.89	0.91
	0.47		0.75		0.85		0.89	

Foundation loads
Max. traction : 311 lb
Max. compression : 449 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	