

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12651151

Catalog # : 00512OT3E215TC-S

Frame : 213/5TC
Output : 5 HP (3.7 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 14.0/7.01 A
L. R. Amperes : 98.1/49.1 A
LRC : 7.0x(Code J)
No load current : 8.00/4.00 A
Rated speed : 1180 rpm
Slip : 1.67 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 270 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.08 sq.ft.lb
Design : B

Locked rotor time : 52s (cold) 29s (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 : 135 lb

Output	25%		50%		75%		100%	
Efficiency (%)	88.3	86.0	88.5	86.2	89.5	86.5	89.5	86.5
	84.7		85.0		86.6		86.7	
Power Factor	0.32	0.32	0.56	0.56	0.67	0.68	0.74	0.76
	0.26		0.48		0.61		0.70	

Foundation loads
Max. traction : 293 lb
Max. compression : 428 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				
Checked by				
Date	22/10/2025			

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Revision