

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 13163448

Catalog # : 01018OT3E215TC-SG

Frame : 213/5TC
Output : 10 HP (7.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 24.8/12.4 A
L. R. Amperes : 174/86.8 A
LRC : 7.0x(Code H)
No load current : 12.0/5.99 A
Rated speed : 1770 rpm
Slip : 1.67 %
Rated torque : 29.7 ft.lb
Locked rotor torque : 250 %
Breakdown torque : 350 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.30 sq.ft.lb
Design : B

Locked rotor time : 25s (cold) 14s (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 : 59.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 130 lb

Output	25%		50%		75%		100%	
Efficiency (%)	89.4	91.4	90.2	90.1	91.0	89.7	91.7	88.1
	89.5		89.1		89.7		89.0	
Power Factor	0.38	0.45	0.64	0.72	0.77	0.82	0.83	0.87
	0.38		0.64		0.77		0.84	

Foundation loads
Max. traction : 539 lb
Max. compression : 670 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		