

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12845474

Catalog # : 01018OT3V215TC-S

Frame : 213/5TC
Output : 10 HP (7.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 200/400 V
Rated current : 28.5/14.3 A
L. R. Amperes : 200/100 A
LRC : 7.0x(Code H)
No load current : 13.8/6.89 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%
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Efficiency (%)	89.4	90.2	91.0	91.7
Power Factor	0.38	0.64	0.77	0.83

Foundation loads

Max. traction : 521 lb
Max. compression : 651 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		