

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12651240

Catalog # : 00718OT3E213TC-S

Frame : 213/5TC
Output : 7.5 HP (5.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 18.5/9.25 A
L. R. Amperes : 133/66.6 A
LRC : 7.2x(Code H)
No load current : 8.79/4.39 A
Rated speed : 1770 rpm
Slip : 1.67 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 320 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.03 sq.ft.lb
Design : B

Locked rotor time : 23s (cold) 13s (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 : 126 lb

Output	50%	75%	100%
Efficiency (%)	89.5 88.9	90.2 88.5	91.0 86.7
	88.2	88.7	87.8
Power Factor	0.65 0.73	0.77 0.83	0.82 0.87
	0.65	0.78	0.84

Foundation loads
Max. traction : 362 lb
Max. compression : 487 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	