

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12677337

Catalog # : 00718ET3ER213TC-S

Frame : 213/5TC
Output : 7.5 HP (5.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 18.4/9.18 A
L. R. Amperes : 134/67.0 A
LRC : 7.3x(Code J)
No load current : 8.81/4.41 A
Rated speed : 1770 rpm
Slip : 1.67 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 260 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.9380 sq.ft.lb
Design : B

Locked rotor time : 32s (cold) 18s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : W-6
Rotation¹ : Both (CW and CCW)
Noise level² : 60.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 128 lb

Output	25%		50%		75%		100%	
Efficiency (%)	89.4	91.3	90.2	90.2	91.0	90.0	91.7	88.6
	89.8		89.4		90.1		89.4	
Power Factor	0.39	0.45	0.64	0.71	0.76	0.82	0.82	0.86
	0.38		0.64		0.76		0.83	

Foundation loads
Max. traction : 391 lb
Max. compression : 519 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6208 ZZ	6206 ZZ
Sealing	:	V'Ring	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	