

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12677334

Catalog # : 00512ET3ER215TC-S

Frame : 213/5TC
Output : 5 HP (3.7 kW)
Poles : 6
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 13.5/6.74 A
L. R. Amperes : 80.9/40.4 A
LRC : 6.0x(Code H)
No load current : 6.84/3.42 A
Rated speed : 1175 rpm
Slip : 2.08 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.26 sq.ft.lb
Design : B

Locked rotor time : 54s (cold) 30s (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 : 55.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 153 lb

Output	25%		50%		75%		100%	
Efficiency (%)	86.4	89.4	87.5	87.8	88.5	87.4	89.5	85.4
	88.0		87.3		87.9		86.8	
Power Factor	0.35	0.41	0.59	0.66	0.71	0.77	0.77	0.81
	0.35		0.59		0.72		0.78	

Foundation loads
Max. traction : 276 lb
Max. compression : 429 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	