

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium
Efficiency Three-Phase

Product code : 12675405

Catalog # : 00718ET3E213T-S

Frame : 213/5T
Output : 7.5 HP (5.5 kW)
Frequency : 60 Hz
Rated voltage : 230/460 V
Poles : 4
Rated current : 17.9/8.96 A
 : 7.2x(Code H)
Rated speed : 1770 rpm
Rated torque : 22.3 ft.lb
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.8908 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 : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 60.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 134 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	90.2 89.5	91.0 90.0	91.7 88.6
	0.000	89.0	90.1	89.2
	0.000			
Power Factor	0.00 0.00	0.68 0.64	0.78 0.76	0.84 0.82
	0.00	0.60	0.72	0.80

Foundation loads
Max. traction : 319 lb
Max. compression : 454 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1 (0,9;1,0)	8.8	12.4	11.7
	P2 (0,5;1,0)	7.4	10.5	9.9
	P3 (0,25;1,0)	6.9	9.8	9.2
	P4 (0,9;0,5)	4.5	6.4	6.0
	P5 (0,5;0,5)	3.1	4.4	4.2
	P6 (0,5;0,25)	2.2	3.1	2.9
	P7 (0,25;0,25)	1.6	2.2	2.1

		<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				
Checked by				
Date	04/05/2026			

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Revision

