

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase
Product code : 13180568
Catalog # : 00718ET3E213JM-S

Frame	: 213/5JM	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 7.5 HP (5.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 18.4/9.18 A	Protection degree	: IP55
L. R. Amperes	: 134/67.0 A	Cooling method	: IC411 - TEFC
LRC	: 7.3x(Code J)	Mounting	: F-1
No load current	: 8.81/4.41 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1770 rpm	Noise level ²	: 60.0 dB(A)
Slip	: 1.67 %	Starting method	: Direct On Line
Rated torque	: 22.3 ft.lb	Approx. weight ³	: 127 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		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	89.4	90.2	91.0	91.7	Max. traction	: 392 lb
Power Factor	0.39	0.64	0.76	0.82	Max. compression	: 518 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6209 ZZ	6206 ZZ
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes
USABLE @208V 20.1A SF 1.00 SFA 20.1A

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 Revision		
Checked by				
Date	12/03/2025			



NEMA
Premium

MADE IN MEXICO

MAT: 13180568 CC029A

W01.TE0IC0X0N

MODEL 00718ET3E213JM-S



FOR SAFE AREA



For 60Hz: Class I, Zone 2, IIC

Class I, Div.2, Gr. A,B,C,D - T3

Div 2 Inverter Duty (SF1.00)

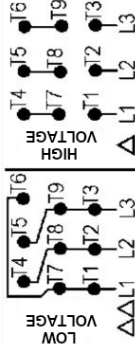
CT 2:1/VT 1000:1

PH 3	Hz 60	HP 7.5
FR 213/5JM		kW 5.5
DUTY CONT.		V 230/460
ALT 1000 m.a.s.l		A 18.4/9.18
INS CL F ΔT 80K	IP55	SFA 21.2/10.6
AMB 40°C	DES B	SF 1.15
ENCL TEFC	CODE J	PF 0.82
		RPM 1770
		NEMA NOM. EFF 91.7%

ALTERNATE RATING: 7.5HP	50Hz	190-220/380-415V	SF1.00
22.0-19.4/11.0-10.3A	1455RPM	EFF 88.6%	(IE2) IEC 60034-1

For safe area-inverter duty motor For 60Hz use on VPWM 1000:1 VT, 4:1 CT

DE 6209-ZZ	ODE 6206-ZZ	MOBIL POLYREX EM
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INTERCHANGE ANY TWO LINE WIRES TO REVERSE THE ROTATION

WARNING: Motor must be grounded in accordance with local and national electrical codes to prevent serious electrical shocks. Disconnect power source before servicing unit.



AVERTISSEMENT: Le moteur doit être mis à la terre

conformément aux codes électriques locaux et nationaux afin d'éviter tout choc électrique grave. Déconnectez l'alimentation avant l'entretien de la machine.

