

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	13162622		
			Catalog # :	00718ET3E213TF2-S		
Frame	: 213/5T	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-2			
No load current	: 8.81/4.41 A	Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated speed	: 1770 rpm	Noise level <sup>2</sup>	: 60.0 dB(A)			
Slip	: 1.67 %	Starting method	: Direct On Line			
Rated torque	: 22.3 ft.lb	Approx. weight <sup>3</sup>	: 117 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%		
Efficiency (%)	89.4	91.3	90.2	90.2		
	89.8	89.4	90.1	89.4		
Power Factor	0.39	0.45	0.64	0.71		
	0.38	0.64	0.76	0.83		
Foundation loads						
	Max. traction		: 396 lb			
	Max. compression		: 514 lb			
Drive end						
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.						
Rev.	Changes Summary			Performed		
				Checked		
Performed by						
Checked by						
Date	27/03/2024					
		Page	Revision			
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