

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase	Product code :	13440285	
		Catalog # :	00512ET3E215JM-S	
Frame	: 213/5JM	Locked rotor time	: 54s (cold) 30s (hot)	
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K	
Poles	: 6	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	: 13.5/6.74 A	Protection degree	: IP55	
L. R. Amperes	: 80.9/40.4 A	Cooling method	: IC411 - TEFC	
LRC	: 6.0x(Code H)	Mounting	: F-1	
No load current	: 6.84/3.42 A	Rotation ¹	: Both (CW and CCW)	
Rated speed	: 1175 rpm	Noise level ²	: 55.0 dB(A)	
Slip	: 2.08 %	Starting method	: Direct On Line	
Rated torque	: 22.3 ft.lb	Approx. weight ³	: 153 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			
Output	25% 50% 75% 100%	Foundation loads		
Efficiency (%)	86.4 89.4 87.5 87.8 88.5 87.4 89.5 85.4	Max. traction	: 276 lb	
	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	Max. compression	: 429 lb	
	0.35 0.59 0.72 0.78			
Bearing type	:	<u>Drive end</u>	<u>Non drive end</u>	
Sealing	:	6209 ZZ	6206 ZZ	
Lubrication interval	:	V'Ring	Without Bearing Seal	
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			Page	Revision
Date	29/03/2024		1 / 1	