

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: Rolled Steel JM Pump NEMA Premium Efficiency Three-Phase		Product code :	13401475	
				Catalog # :	01018ET3H215JM-S	
Frame	: 213/5JM		Locked rotor time	: 27s (cold) 15s (hot)		
Output	: 10 HP (7.5 kW)		Temperature rise	: 80 K		
Poles	: 4		Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C		
Rated voltage	: 575 V		Altitude	: 1000 m.a.s.l.		
Rated current	: 9.76 A		Protection degree	: IP55		
L. R. Amperes	: 68.3 A		Cooling method	: IC411 - TEFC		
LRC	: 7.0x(Code H)		Mounting	: F-1		
No load current	: 4.43 A		Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1760 rpm		Noise level ²	: 60.0 dB(A)		
Slip	: 2.22 %		Starting method	: Direct On Line		
Rated torque	: 29.8 ft.lb		Approx. weight ³	: 153 lb		
Locked rotor torque	: 250 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 1.07 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	90.2	91.0	91.0	91.7	Max. traction : 428 lb	
Power Factor	0.41	0.67	0.78	0.84	Max. compression : 582 lb	
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6209 ZZ		6206 ZZ		
Sealing	:	V'Ring		V'Ring		
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					Page	Revision
Date	29/03/2024				1 / 1	