

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 Close Coupled Pump JM NEMA Premium Efficiency Three-Phase		Product code : 13523071			
		Catalog # : 02536ET3H256JM-W22			
Frame	: 254/6JM		Locked rotor time	: 32s (cold) 18s (hot)	
Output	: 25 HP (18.5 kW)		Temperature rise	: 80 K	
Poles	: 2		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	: 22.5 A		Protection degree	: IP55	
L. R. Amperes	: 144 A		Cooling method	: IC411 - TEFC	
LRC	: 6.4x(Code G)		Mounting	: F-1	
No load current	: 5.53 A		Rotation ¹	: Both (CW and CCW)	
Rated speed	: 3515 rpm		Noise level ²	: 72.0 dB(A)	
Slip	: 2.36 %		Starting method	: Direct On Line	
Rated torque	: 37.3 ft.lb		Approx. weight ³	: 326 lb	
Locked rotor torque	: 180 %				
Breakdown torque	: 229 %				
Insulation class	: F				
Service factor	: 1.00				
Moment of inertia (J)	: 1.91 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	91.0	91.7	91.7	
Power Factor	0.00	0.83	0.88	0.90	
Foundation loads					
Max. traction : 249 lb					
Max. compression : 575 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6309 C3	6209 C3		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	19000 h	20000 h		
Lubricant amount	:	13 g	9 g		
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
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