

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																						
Product line : W22 NEMA Premium Efficiency Three-Phase		Product code : 14334997																				
		Catalog # : 40009ET3G588/9-W22																				
Frame	: 588/9T	Locked rotor time	: 45s (cold) 25s (hot)																			
Output	: 400 HP (300 kW)	Temperature rise	: 80 K																			
Poles	: 8	Duty cycle	: Cont.(S1)																			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																			
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.																			
Rated current	: 498 A	Protection degree	: IP55																			
L. R. Amperes	: 3586 A	Cooling method	: IC411 - TEFC																			
LRC	: 7.2x(Code J)	Mounting	: F-1																			
No load current	: 240 A	Rotation ¹	: Both (CW and CCW)																			
Rated speed	: 894 rpm	Starting method	: Direct On Line																			
Slip	: 0.67 %	Approx. weight ³	: 5072 lb																			
Rated torque	: 2350 ft.lb																					
Locked rotor torque	: 200 %																					
Breakdown torque	: 250 %																					
Insulation class	: F																					
Service factor	: 1.00																					
Moment of inertia (J)	: 537 sq.ft.lb																					
Output	25%	50%	75%	100%																		
Efficiency (%)	93.0	95.0	95.6	95.8																		
Power Factor	0.38	0.62	0.73	0.79																		
Foundation loads																						
Max. traction : 9720 lb																						
Max. compression : 14791 lb																						
<table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Drive end</u></td> <td style="text-align: center;"><u>Non drive end</u></td> </tr> <tr> <td>Bearing type</td> <td>: 6322 C3</td> <td>6319 C3</td> </tr> <tr> <td>Sealing</td> <td>: Taconite Labyrinth</td> <td>Taconite Labyrinth</td> </tr> <tr> <td>Lubrication interval</td> <td>: 11801 h</td> <td>14016 h</td> </tr> <tr> <td>Lubricant amount</td> <td>: 60 g</td> <td>45 g</td> </tr> <tr> <td>Lubricant type</td> <td colspan="2">: Mobil Polyrex EM</td> </tr> </table>						<u>Drive end</u>	<u>Non drive end</u>	Bearing type	: 6322 C3	6319 C3	Sealing	: Taconite Labyrinth	Taconite Labyrinth	Lubrication interval	: 11801 h	14016 h	Lubricant amount	: 60 g	45 g	Lubricant type	: Mobil Polyrex EM	
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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.																			
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Space heater information

Voltage: 200 - 240 V

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