

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																							
Product line		: W22 Cooling Tower NEMA Premium Efficiency Three-Phase		Product code :	12128173																		
				Catalog # :	01012AT3PCT256TF1-W2																		
Frame : 254/6T Output : 10 HP (7.5 kW) Poles : 6 Frequency : 60 Hz Rated voltage : 200 V Rated current : 30.6 A L. R. Amperes : 199 A LRC : 6.5x(Code H) No load current : 13.8 A Rated speed : 1175 rpm Slip : 2.08 % Rated torque : 44.1 ft.lb Locked rotor torque : 229 % Breakdown torque : 280 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 4.43 sq.ft.lb Design : B			Locked rotor time : 46s (cold) 26s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC410 - TEAO Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 59.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 0.0 lb																				
Output	25%	50%	75%	100%	Foundation loads																		
Efficiency (%)	90.0	90.2	91.0	91.0	Max. traction : 600 lb																		
Power Factor	0.38	0.63	0.74	0.78	Max. compression : 600 lb																		
<table border="0" style="width: 100%;"> <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 style="text-align: center;">6309 2RS C3</td> <td style="text-align: center;">6209 2RS C3</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">V'Ring</td> <td style="text-align: center;">V'Ring</td> </tr> <tr> <td>Lubrication interval :</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Lubricant amount :</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td>Lubricant type :</td> <td colspan="2" style="text-align: center;">Mobil Polyrex EM</td> </tr> </table>							<u>Drive end</u>	<u>Non drive end</u>	Bearing type :	6309 2RS C3	6209 2RS C3	Sealing :	V'Ring	V'Ring	Lubrication interval :	-	-	Lubricant amount :	-	-	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.																				
Rev.	Changes Summary			Performed	Checked																		
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Checked by				Page	Revision																		
Date	22/01/2018			1 / 2																			

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Customer :

Space heater information

Voltage: 110-127/200-240 V

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Performed by			Page 2 / 2		Revision
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Date	22/01/2018				