

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: W22 IEEE 841 NEMA Premium Efficiency Three-Phase																		
Product code :	11449318																		
Catalog # :	07518ST3HIE365T-W22																		
Frame : 364/5T Output : 75 HP (55 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 67.3 A L. R. Amperes : 431 A LRC : 6.4x(Code G) No load current : 24.0 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 219 ft.lb Locked rotor torque : 240 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 23.3 sq.ft.lb Design : B	Locked rotor time : 25s (cold) 14s (hot) Temperature rise : 105 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 67.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 943 lb																		
Output	25% 50% 75% 100%																		
Efficiency (%)	94.0 94.5 95.0 95.4																		
Power Factor	0.48 0.73 0.82 0.86																		
Foundation loads																			
Max. traction : 1503 lb																			
Max. compression : 2446 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 style="text-align: center;">6314 C3</td> <td style="text-align: center;">6314 C3</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">Inpro/Seal</td> <td style="text-align: center;">Inpro/Seal</td> </tr> <tr> <td>Lubrication interval :</td> <td style="text-align: center;">12000 h</td> <td style="text-align: center;">12000 h</td> </tr> <tr> <td>Lubricant amount :</td> <td style="text-align: center;">27 g</td> <td style="text-align: center;">27 g</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 :	6314 C3	6314 C3	Sealing :	Inpro/Seal	Inpro/Seal	Lubrication interval :	12000 h	12000 h	Lubricant amount :	27 g	27 g	Lubricant type :	Mobil Polyrex EM	
	<u>Drive end</u>	<u>Non drive end</u>																	
Bearing type :	6314 C3	6314 C3																	
Sealing :	Inpro/Seal	Inpro/Seal																	
Lubrication interval :	12000 h	12000 h																	
Lubricant amount :	27 g	27 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															
Performed by																			
Checked by			Page	Revision															
Date	24/01/2018		1 / 1																