

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :																							
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code :	12445707																		
				Catalog # :	00156ET3H143TC-W22																		
Frame : 143/5TC Output : 1.5 HP (1.1 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 575 V Rated current : 1.57 A L. R. Amperes : 14.0 A LRC : 8.9x(Code L) No load current : 0.600 A Rated speed : 3490 rpm Slip : 3.06 % Rated torque : 2.23 ft.lb Locked rotor torque : 350 % Breakdown torque : 380 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0470 sq.ft.lb Design : B			Locked rotor time : 37s (cold) 21s (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 : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 68.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 48.5 lb																				
Output	25%	50%	75%	100%	Foundation loads																		
Efficiency (%)	81.1	81.5	84.0	84.0	Max. traction : 50 lb																		
Power Factor	0.46	0.70	0.80	0.84	Max. compression : 99 lb																		
<table style="width: 100%; border-collapse: collapse;"> <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;">6205 ZZ</td> <td style="text-align: center;">6204 ZZ</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 :	6205 ZZ	6204 ZZ	Sealing :	V'Ring	V'Ring	Lubrication interval :	-	-	Lubricant amount :	-	-	Lubricant type :	Mobil Polyrex EM	
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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																		
Performed by																							
Checked by																							
Date	24/01/2018			Page 1 / 1	Revision																		