

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: W22 Tru-Metric IE3 Three-Phase																		
Product code :	11587086																		
Catalog # :	01818ET3Y180M-W22																		
Frame : 180M Output : 25 HP (18.5 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 460 V Rated current : 30.6 A L. R. Amperes : 260 A LRC : 8.5 No load current : 15.2 A Rated speed : 1775 rpm Slip : 1.39 % Rated torque : 74.0 ft.lb Locked rotor torque : 340 % Breakdown torque : 360 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 4.75 sq.ft.lb Design : N	Locked rotor time : 37s (cold) 21s (hot) Temperature rise : 80 K Duty cycle : S1 Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : B3L(E) Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 63.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 410 lb																		
Output	25%    50%    75%    100%																		
Efficiency (%)	89.8    91.0    92.4    93.6																		
Power Factor	0.37    0.62    0.75    0.81																		
Foundation loads																			
Max. traction : 1082 lb																			
Max. compression : 1492 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>6311 C3</td> <td>6211 C3</td> </tr> <tr> <td>Sealing :</td> <td>V'Ring</td> <td>V'Ring</td> </tr> <tr> <td>Lubrication interval :</td> <td>20000 h</td> <td>20000 h</td> </tr> <tr> <td>Lubricant amount :</td> <td>18 g</td> <td>11 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 :	6311 C3	6211 C3	Sealing :	V'Ring	V'Ring	Lubrication interval :	20000 h	20000 h	Lubricant amount :	18 g	11 g	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	Date															
Performed by																			
Checked by			Page	Revision															
Date	22/09/2020		1 / 2																