

DATA SHEET

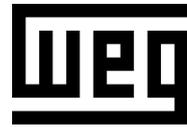


Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: W21 Explosion Proof NEMA Premium Efficiency Three-Phase																		
Product code :	14303659																		
Catalog # :	00518XT3E184TC																		
Frame : 182/4TC Output : 5 HP (3.7 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 13.1/6.57 A L. R. Amperes : 93.3/46.6 A LRC : 7.1x(Code J) No load current : 6.20/3.10 A Rated speed : 1750 rpm Slip : 2.78 % Rated torque : 15.0 ft.lb Locked rotor torque : 229 % Breakdown torque : 300 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.3695 sq.ft.lb Design : B	Locked rotor time : 43s (cold) 24s (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 ¹ : Both (CW and CCW) Noise level ² : 56.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 135 lb																		
Output	25% 50% 75% 100%																		
Efficiency (%)	85.3 86.5 88.5 89.5																		
Power Factor	0.36 0.59 0.71 0.79																		
Foundation loads																			
Max. traction : 269 lb																			
Max. compression : 404 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;">6307 2RS</td> <td style="text-align: center;">6206 2RS</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">Oil Seal</td> <td style="text-align: center;">Lip Seal</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 :	6307 2RS	6206 2RS	Sealing :	Oil Seal	Lip Seal	Lubrication interval :	-	-	Lubricant amount :	-	-	Lubricant type :	Mobil Polyrex EM	
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Notes USABLE @208V 14.5A SF 1.15 SFA 16.7A																			
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															
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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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