

DATA SHEET

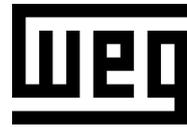


Three Phase Induction Motor - Squirrel Cage

Customer :																			
Product line	: Rolled Steel Grain Dryer Standard Efficiency Three-Phase																		
Product code :	13248537																		
Catalog # :	00456AP3EGD145TZ-S																		
Frame : 143/5TZ Output : 3 HP (2.22 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 8.87-8.02/4.01 A L. R. Amperes : 97.6-88.2/44.1 A LRC : 11.0x(Code N) No load current : 0.000-4.52/2.26 A Rated speed : 3525 rpm Slip : 2.08 % Rated torque : 4.47 ft.lb Locked rotor torque : 409 % Breakdown torque : 509 % Insulation class : F Service factor : 1.00 Moment of inertia (J) : 0.1471 sq.ft.lb Design : B	Locked rotor time : 14s (cold) 8s (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 : IC418 - TEAO Mounting : F-3 Rotation ¹ : CCW Starting method : Direct On Line Approx. weight ³ : 43.7 lb																		
Output	25% 50% 75% 100%																		
Efficiency (%)	0.000 77.7 82.1 82.1 84.1 83.8 83.9 0.000																		
Power Factor	0.00 0.00 0.63 0.76 0.76 0.86 0.83 0.90																		
Foundation loads																			
Max. traction	: 173 lb																		
Max. compression	: 217 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;">6205 ZZ</td> <td style="text-align: center;">6203 ZZ</td> </tr> <tr> <td>Sealing :</td> <td style="text-align: center;">V'Ring</td> <td style="text-align: center;">Without Bearing Seal</td> </tr> <tr> <td>Lubrication interval :</td> <td style="text-align: center;">0 h</td> <td style="text-align: center;">0 h</td> </tr> <tr> <td>Lubricant amount :</td> <td style="text-align: center;">0 g</td> <td style="text-align: center;">0 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 :	6205 ZZ	6203 ZZ	Sealing :	V'Ring	Without Bearing Seal	Lubrication interval :	0 h	0 h	Lubricant amount :	0 g	0 g	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	Date															
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Customer : _____

Thermal protection

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

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