

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Rolled Steel Grain Dryer Single-Phase		Product code : 13972797	
		Catalog # :		00336AP1DGD145TZ-S	
Frame : 143/5TZ Output : 1.5 HP (1.1 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230 V Rated current : 7.51 A L. R. Amperes : 91.6 A LRC : 12.2x(Code R) No load current : 4.90 A Rated speed : 3550 rpm Slip : 1.39 % Rated torque : 2.22 ft.lb Locked rotor torque : 509 % Breakdown torque : 250 % Insulation class : F Service factor : 1.00		Locked rotor time : 16s (cold) 9s (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 : IC410 - TEAO Mounting : F-3 Rotation ¹ : Both (CW and CCW) Noise level ² : 68.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 41.1 lb			
Output	50%	75%	100%	Foundation loads	
Efficiency (%)	57.6	67.1	73.2	Max. traction : 27 lb	
Power Factor	0.72	0.80	0.87	Max. compression : 68 lb	
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6205 ZZ	6202 ZZ		
Sealing	:	V'Ring	V'Ring		
Lubrication interval	:	-	-		
Lubricant amount	:	-	-		
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.		
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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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LOAD PERFORMANCE CURVE

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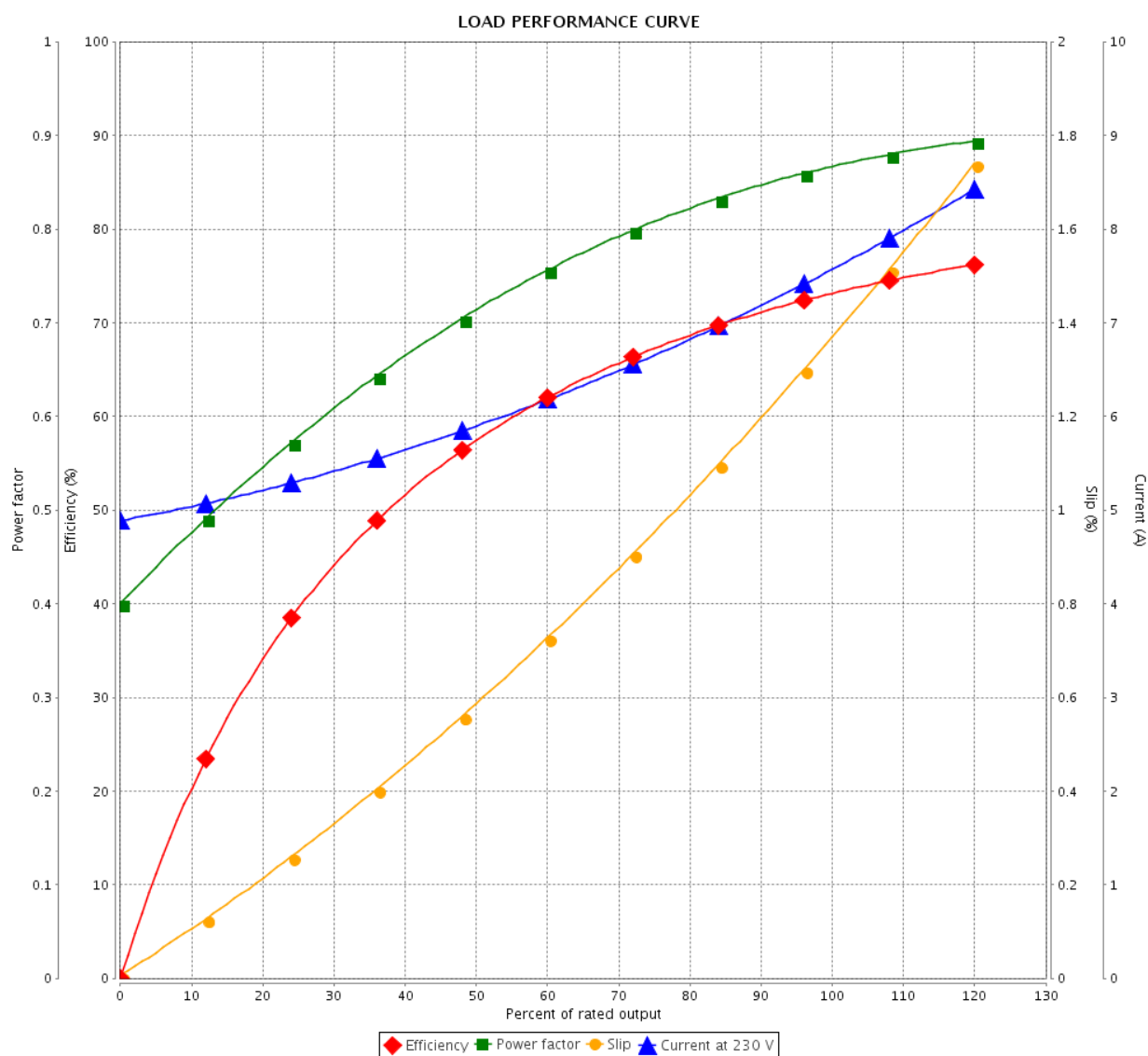


Customer :

Product line : Rolled Steel Grain Dryer Single-Phase

Product code : 13972797

Catalog # : 00336AP1DGD145TZ-S



Performance : 230 V 60 Hz 2P

Rated current : 7.51 A
 LRC : 12.2
 Rated torque : 2.22 ft.lb
 Locked rotor torque : 509 %
 Breakdown torque : 250 %
 Rated speed : 3550 rpm

Moment of inertia (J)
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.00
 Temperature rise : 105 K

Rev.	Changes Summary	Performed	Checked	Date
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Checked by				
Date	10/04/2020			

THIS IS AN UPDATED REVISION, THE
PREVIOUS ONE MUST BE DISREGARDED.

