

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Rolled Steel Grain Dryer Single-Phase		Product code : 13976275	
		Catalog # :		00736AP1DGD182TZ-S	
Frame : 182/4TZ Output : 5 HP (3.7 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230 V Rated current : 19.8 A L. R. Amperes : 224 A LRC : 11.3x(Code M) No load current : 4.90 A Rated speed : 3547 rpm Slip : 1.47 % Rated torque : 7.40 ft.lb Locked rotor torque : 300 % Breakdown torque : 409 % Insulation class : F Service factor : 1.00		Locked rotor time : 12s (cold) 7s (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 <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 72.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 65.7 lb			
Output	50%	75%	100%	Foundation loads Max. traction : 158 lb Max. compression : 224 lb	
Efficiency (%)	73.4	79.9	82.9		
Power Factor	0.95	0.97	0.98		
		<u>Drive end</u> Bearing type : 6206 ZZ Sealing : V'Ring Lubrication interval : - Lubricant amount : - Lubricant type : Mobil Polyrex EM		<u>Non drive end</u> 6205 ZZ V'Ring - -	
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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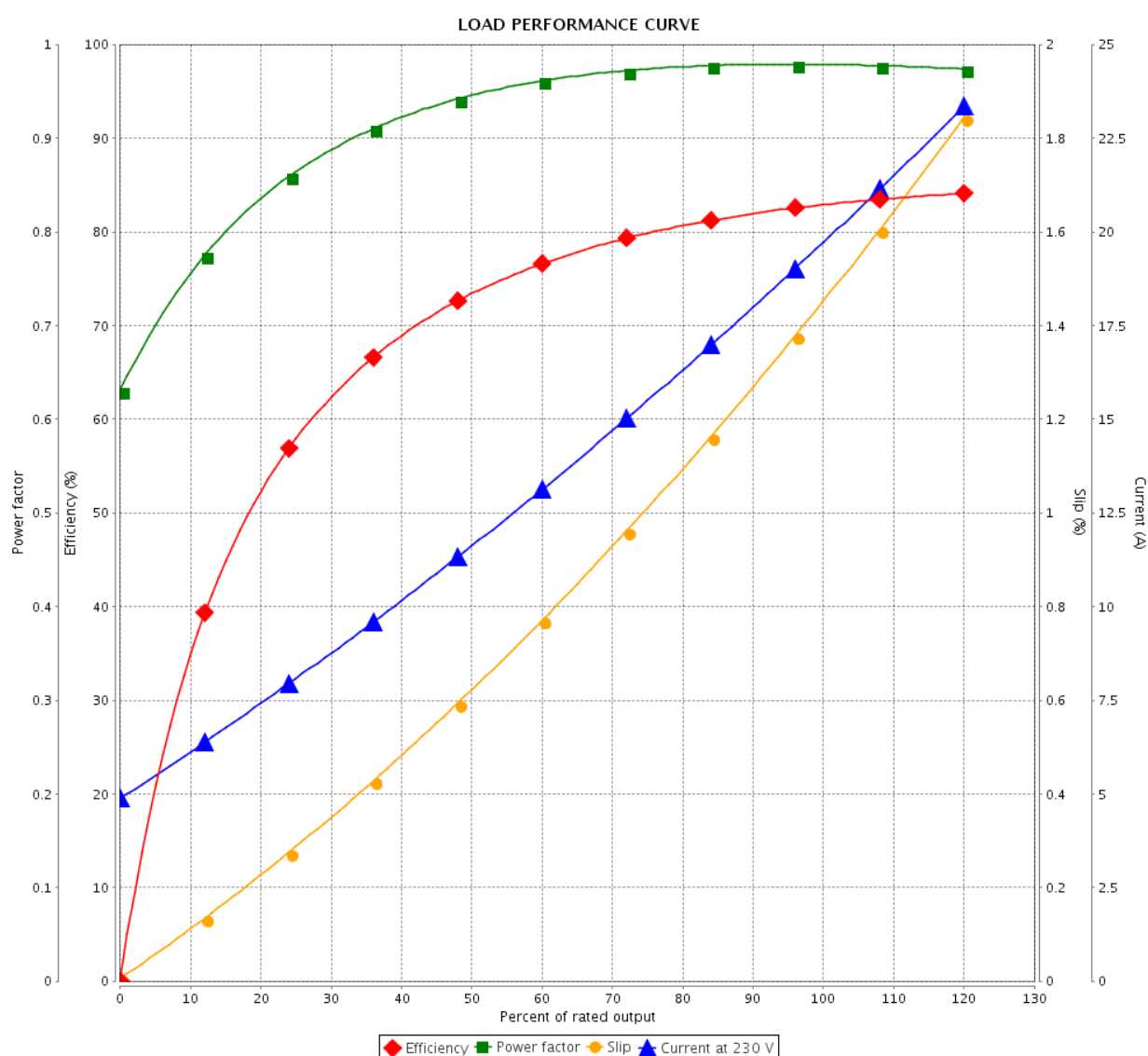


Customer :

Product line : Rolled Steel Grain Dryer Single-Phase

Product code : 13976275

Catalog # : 00736AP1DGD182TZ-S



Performance : 230 V 60 Hz 2P

Rated current : 19.8 A  
 LRC : 11.3  
 Rated torque : 7.40 ft.lb  
 Locked rotor torque : 300 %  
 Breakdown torque : 409 %  
 Rated speed : 3547 rpm

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

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		Revision		

