DATA SHEET

Single Phase Induction Motor - Squirrel Cage

:



Customer

Frame : 2136TZ Output : 104P(7.5 kW) Poles : 2 importune ise : 146 (odl) 98 (hot) Poles : 2 importune ise : 146 (odl) 98 (hot) Prequency : 60 Hz Ambient temperature : 20C to +40°C Rated oursent : 530 A Protection degree : 195 s L R. Amperes : 446 A Cooling method : C410 - TEAO No load current : 530 A Protection degree : 195 s No load current : 530 A Protection degree : 195 s Sign : 138 % Starting method : C410 - TEAO No load current : 530 A Protection degree : 195 s Sign code : 138 % Starting method : Direct On Line Starting method : 000m as it. Power Faoto 0.80 0.97 0.98 0.98 Mondrive end : 000% Foundation loads Max. traction : 279 lb Bearing type : 6208 ZZ Scole ZZ Scole ZZ Sealing : VRing VRing VRing Lubrication interval : - : : Lubrication interval : - : : Lubrication interval : - : : Lubricatio			: Rolled Steel Grain Dryer Single- Product code : Phase				13972899		
Output :10 HP (7.5 kW) Temperature rise :105 K Projes :2 :00 K Cont.(S1) Frequency :60 Hz Ambient temperature :-20°C to 40°C Rated voltage :230 V Attitude :-20°C to 40°C Rated voltage :230 V Attitude :-20°C to 40°C Rated voltage :330 V Attitude :-20°C to 40°C No load current :530 A Protection degree :P65 No load current :530 A Rotation' :Both (CW and CCW) No load current :139 % Starting method :Direct On Line Attribute :210 % Starting method :Direct On Line Breakdown torque :14.8 ft lb Approx. weight* :166 lb Service factor :1.00 Wax. traction :279 lb Output 25% 50% 75% 100% Max. traction :279 lb Max. traction :279 lb Max. traction :445 lb Efficiency (%) 80.5 82.2 86.4 80.0 Ower factor :080 ZZ 6206 ZZ 6206 ZZ Sealing : : : : Lubricant merunt : : : : Lubricant a			FIIdS	C		Catalog # :	01536AP1D0	GD215TZ-S	
Efficiency (%) 80.5 82.2 86.4 88.0 Max. traction : 279 lb Power Factor 0.80 0.97 0.98 0.98 Max. compression : 445 lb Bearing type : 6208 ZZ 6206 ZZ 6206 ZZ Sealing : 'VRing VRing Lubrication interval : - - Lubrication type : Mobil Polyrex EM - Notes Mobil Polyrex EM Mobil Polyrex EM Mcs. 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). : : : : (2) Measured at 1m and with tolerance of +3dB(A). :	Output Poles Frequency Rated voltage Rated current L. R. Amperes LRC No load current Rated speed Slip Rated torque Locked rotor torque Breakdown torque Insulation class		: 10 HP (7.5 kW) : 2 : 60 Hz : 230 V : 37.8 A : 446 A : 11.8x(Code M) : 5.30 A : 3550 rpm : 1.39 % : 14.8 ft.lb : 210 % : 440 % : F			Temperature rise Duty cycle Ambient temperature Altitude Protection degree Cooling method Mounting Rotation ¹ Noise level ² Starting method	: 105 K : Cont.(S1) : -20°C to +4 : 1000 m.a.s : IP55 : IC410 - TE : F-3 : Both (CW a : 75.0 dB(A) : Direct On I	: 14s (cold) 8s (hot) : 105 K : Cont.(S1) : -20°C to +40°C : 1000 m.a.s.l. : IP55 : IC410 - TEAO : F-3 : Both (CW and CCW) : 75.0 dB(A) : Direct On Line	
Power Factor 0.80 0.97 0.98 0.98 Max. compression : 445 lb Bearing type : 6206 ZZ 6206 ZZ 6206 ZZ Sealing : VRing VRing Lubrication interval : - - Notes Mobil Polyrex EM - -			50%	75%	100%	Foundation loads			
Bearing type : 6208 ZZ 6206 ZZ Sealing : VRing VRing Lubrication interval : - - Lubricant amount : - - Lubricant type : Mobil Polyrex EM Notes Mobil Polyrex EM									
must be eliminated. power supply, subject to the tolerances stipulated in NEM (1) Looking the motor from the shaft end. mover supply, subject to the tolerances stipulated in NEM (2) Measured at 1m and with tolerance of +3dB(A). MG-1. (3) Approximate weight subject to changes after manufacturing process. MG-1. (4) At 100% of full load. Performed Checked Date Performed by Performed by Performed Checked Date	Sealing Lubrication interve Lubricant amount Lubricant type		:		"Ring - -	V'Ring - -			
Performed by									
	must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro	d. otor from t m and with reight subj ocess.	the shaft e h toleranc	nd. e of +3dB((A).	power supply, subject to			
Date 10/04/2020 1/3	must be eliminated (1) Looking the mo (2) Measured at 11 (3) Approximate w manufacturing pro (4) At 100% of full	d. otor from t m and with reight subj ocess.	the shaft e h toleranc ject to cha	nd. e of +3dB(inges after	(A).	power supply, subject to MG-1.	the tolerances stipul	ated in NEMA	

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DATA SHEET

Single Phase Induction Motor - Squirrel Cage

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Customer

ID A 1	Application Winding	Type Thermostat - 2 v	Quan vires 1 x Ph		ing Temperature
1	Winding	Thermostat - 2 v	vires 1 x Ph	ase	155 °C
Devi	^	hannan Currenter			
Rev.	С	hanges Summary	Performed	d Checked	Date
orformed by	I				
erformed by				Dese	Revision
Checked by Date 1	0/04/2020			Page 2 / 3	Revision

LOAD PERFORMANCE CURVE Single Phase Induction Motor - Squirrel Cage Customer : Product line : Rolled Steel Grain Dryer Single-Product code : 13972899 Phase 01536AP1DGD215TZ-S Catalog # : LOAD PERFORMANCE CURVE 100 50 1 45 0.9 90 1.8 0.8 80 1.6 40 70 35 0.7 1.4 0.6 1.2 30 60 Efficiency (%) Power factor 25 Current Slip (%) 0.5 50 1 Ð 0.4 40 0.8 20 0.3 30 0.6 15 10 20 0.4 0.2 10 0.1 0.2 5 0 0 -0 0

Performance	:	: 230 V 60 Hz 2P							
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		37.8 A 11.8 14.8 ft.lb 210 % 440 % 3550 rpm	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise					
Rev.		Changes Summary			Checked	Date			
Performed by									
Checked by					Page	Revision			
Date	10/04/2020				3/3				

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10

zo

30

40

50

60

70

Percent of rated output 🔶 Efficiency 🖶 Power factor 🔶 Slip 🛧 Current at 230 V

80

90

100

110

120

130

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