DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Product line	Customer	:						
Frame	Product line	•			11792555 25018EG3G449T-W22			
Dutput		Tildoc						
Output : 250 HP (185 kW) Temperature rise :80 K Proles : 4 Duty cycle :Cont.(51) Frequency : 60 Hz Ambient temperature : 20°C to +40°C Rated current : 286 A Protection degree :1000 m.a.s.l. L. R. Amperes : 2345 A Cooling method :IC411 - TEFC No load current : 100 A Rotation' :Both (CW and Noise level*) Noise devel : 1785 rpm Mounting :F-1 Noise level : 735 ft.lb Rotation' :Both (CW and Noise level*) Rated storque : 735 ft.lb Ambient lemperature : 260 Gb(A) Breakdown torque : 290 % Insulation class : F Service factor : 1.25 Max. raction : 4685 lb Moment of inertia (J) : 104 sq.ft.lb For 96.1 95.8 96.7 96.2 95.8 96.5 96.2 96.8 96.2 Max. traction : 4685 lb Efficiency (%) 35.8 95.7 96.2 95.8 96.5 96.2 96.8 96.2 Max. traction : 4685 lb Design	Frame	: 447/9T		Locked	rotor time	: 37s (cold) 21s (hot)	
Frequency		: 250 HF	P (185 kW)	Temperature rise				
Rated vorlage		: 4						
Rated current								
L.R. Amperes : 2345 A								
LRC								
No load current								
Rated speed 1785 rpm Size 1785 rpm Size 1785 rpm 1885 rpm 188								
Slip			nm	1				
Rated torque				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Locked rotor torque							20	
Breakdown torque 1.25						. = 000		
Service factor								
Moment of inertia (J)	Insulation class	: F						
Design	Service factor							
Output 25% 50% 75% 100% Foundation loads		•	.ft.lb					
Efficiency (%) 95.8 95.7 96.2 95.8 96.5 96.2 96.8 96.2 96.8 96.2 96.8 96.2 96.4 95.7 96.1 95.8 96.2 96.2 96.4 96.2 96.2 96.4 96.2 96.4 96.2 96.4 96.2 96.2 96.4 96.2 96.2 96.4 96.2 96.2 96.2 96.2 96.2 96.2 96.2 96.2	Design	: A						
95.7 96.1 95.8 96.2 96.2 96.4 96.2 96.4	Output	25% 50%	75% 100%	Foundation	on loads			
Power Factor	Efficiency (%)	95.8 95.7 96.2 95.8	96.5 96.2 96.8 96.2	Max. trac	tion	: 4685 lb		
Diversion 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.								
Losses at normative operating points (speed;torque), in percentage of rated output power	Power Factor			Max. compression		: 7570 lb		
P1 (0,9;1,0) 3.6	1				41			
Losses (%)	Losses at normative						4.0	
Losses (%) P3 (0,25;1,0)							3.2	
Losses (%) P4 (0,9;0,5) 2.0 2.4 2.4 1.7 1.7 1.7 P6 (0,5;0,25) 1.1 1.3 1.3 P7 (0,25;0,25) P7 (0,							2.7	
P5 (0,5;0,5) 1.4 1.7 1.7 P6 (0,5;0,25) 1.1 1.3 1.3 1.3 P7 (0,25;0,25) 0.6 0.7 0.7 Drive end Searing type	Losses (%)						2.3	
P6 (0,5;0,25) 1.1 1.3 1.3 1.3 P7 (0,25;0,25) 0.6 0.7 0.7 Drive end Non drive end Sealing type : 6322 C3 6319 C3 Sealing : WSeal WSeal Lubrication interval : 6000 h 8000 h Lubricant amount : 60 g 45 g 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.	200000 (70)						1.6	
P7 (0,25;0,25) 0.6 0.7 0.7 Drive end Non drive end							1.2	
Drive end 8000 from the shaft end. Drive end 6322 C3 6319 C3 6319 C3							0.7	
Bearing type : 6322 C3 6319 C3 Sealing : WSeal WSeal Lubrication interval : 6000 h 8000 h Lubricant amount : 60 g 45 g 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.		(=, =,=, =,						
Sealing : WSeal WSeal Lubrication interval : 6000 h 8000 h Lubricant amount : 60 g	Bearing type			6319 C3		_		
Lubricant amount : 60 g		:	WSeal		WSeal			
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. Mobil Polyrex EM These are average values based on tests with sin power supply, subject to the tolerances stipulated MG-1.	Lubrication interva	l :	6000 h	8000 h				
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(3) Approximate weight subject to changes after manufacturing process.					- -	•		
manufacturing process.								
			es after					
(4) At 100% of full load.								
	(4) At 100% of full le	oad.						
Rev. Changes Summary Performed Checked	Rev.	Chanc	ges Summary		Performed	Checked	Date	

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Rev.		Changes Summary	Performed	Checked	Date
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Date	29/03/2024			1/1	