

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : NEMA Premium Efficiency Three-Phase		Product code : 13500700		Catalog # : 40018ET3GKD580Z-W22	
Frame : 586/7TZ	Output : 400 HP (300 kW)	Locked rotor time : 45s (cold) 25s (hot)	Temperature rise : 80 K	Duty cycle : Cont.(S1)	
Poles : 4	Frequency : 60 Hz	Ambient temperature : -20°C to +40°C	Altitude : 1000 m.a.s.l.	Protection degree : IP55	
Rated voltage : 460 V	Rated current : 466 A	Cooling method : IC411 - TEFC	Mounting : F-1	Rotation ¹ : Both (CW and CCW)	
L. R. Amperes : 3309 A	LRC : 7.1x(Code H)	Noise level ² : 78.0 dB(A)	Starting method : Direct On Line	Approx. weight ³ : 3455 lb	
No load current : 150 A	Rated speed : 1791 rpm				
Rated torque : 1170 ft.lb	Slip : 0.50 %				
Locked rotor torque : 260 %	Breakdown torque : 240 %				
Insulation class : F	Service factor : 1.15				
Moment of inertia (J) : 178 sq.ft.lb	Design : A				
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	95.8	96.2	96.2	
Power Factor	0.00	0.73	0.81	0.84	
Foundation loads					
Max. traction : 4145 lb					
Max. compression : 7600 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type :	NU-324 C3		6319 C3		
Sealing :	Taconite Labyrinth		Taconite Labyrinth		
Lubrication interval :	3000 h		8000 h		
Lubricant amount :	72 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. (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

Space heater information

Voltage: 200 - 240 V

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