

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : NEMA Premium Efficiency Three-Phase		Product code : 13500699		Catalog # : 40012ET3GKD586/7-W22	
Frame : 586/7T	Output : 400 HP (300 kW)	Poles : 6	Frequency : 60 Hz	Rated voltage : 460 V	
Rated current : 489 A	L. R. Amperes : 3179 A	LRC : 6.5x(Code H)	No load current : 220 A	Rated speed : 1193 rpm	
Slip : 0.58 %	Rated torque : 1760 ft.lb	Locked rotor torque : 220 %	Breakdown torque : 250 %	Insulation class : F	
Service factor : 1.15	Moment of inertia (J) : 368 sq.ft.lb	Locked rotor time : 52s (cold) 29s (hot)	Temperature rise : 80 K	Duty cycle : Cont.(S1)	
		Ambient temperature : -20°C to +40°C	Altitude : 1000 m.a.s.l.	Protection degree : IP55	
		Cooling method : IC411 - TEFC	Mounting : F-1	Rotation <sup>1</sup> : Both (CW and CCW)	
		Noise level <sup>2</sup> : 77.0 dB(A)	Starting method : Direct On Line	Approx. weight <sup>3</sup> : 4115 lb	
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	95.4	95.8	96.2	
Power Factor	0.00	0.66	0.75	0.80	
Foundation loads					
Max. traction : 7126 lb					
Max. compression : 11241 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type :		NU-322 C3	6319 C3		
Sealing :		Taconite Labyrinth	Taconite Labyrinth		
Lubrication interval :		7000 h	13000 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. (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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### Space heater information

Voltage: 200 - 240 V

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