

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13500653  
Catalog # : 35012ET3GKD586/7-W22

Frame	: 586/7T	Locked rotor time	: 52s (cold) 29s (hot)
Output	: 350 HP (260 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 421 A	Protection degree	: IP55
L. R. Amperes	: 2526 A	Cooling method	: IC411 - TEFC
LRC	: 6.0x(Code G)	Mounting	: F-1
No load current	: 170 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1190 rpm	Noise level <sup>2</sup>	: 77.0 dB(A)
Slip	: 0.83 %	Starting method	: Direct On Line
Rated torque	: 1520 ft.lb	Approx. weight <sup>3</sup>	: 4068 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 210 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: A		
Design			

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	95.3	95.4	95.8	95.8	Max. traction	: 4642 lb
Power Factor	0.42	0.67	0.77	0.81	Max. compression	: 8710 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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Customer :

### Space heater information

Voltage: 200 - 240 V

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