

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13500620

Catalog # : 30009ET3GKD586/7-W22

Frame : 586/7T  
Output : 300 HP (220 kW)  
Poles : 8  
Frequency : 60 Hz  
Rated voltage : 460 V  
Rated current : 356 A  
L. R. Amperes : 2670 A  
LRC : 7.5x(Code H)  
No load current : 150 A  
Rated speed : 895 rpm  
Slip : 0.56 %  
Rated torque : 1760 ft.lb  
Locked rotor torque : 200 %  
Breakdown torque : 229 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 451 sq.ft.lb

Locked rotor time : 72s (cold) 40s (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> : 75.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 4518 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	95.4	95.8	95.8
Power Factor	0.00	0.66	0.77	0.81

Foundation loads  
Max. traction : 6188 lb  
Max. compression : 10706 lb

	Drive end	Non drive end
Bearing type :	NU-322 C3	6319 C3
Sealing :	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval :	13000 h	17000 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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