

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13827808

Catalog # : 35018ET3HKD580Z-W22

Frame : 586/7TZ  
 Output : 350 HP (260 kW)  
 Poles : 4  
 Frequency : 60 Hz  
 Rated voltage : 575 V  
 Rated current : 327 A  
 L. R. Amperes : 2453 A  
 LRC : 7.5x(Code H)  
 No load current : 128 A  
 Rated speed : 1786 rpm  
 Slip : 0.78 %  
 Rated torque : 1030 ft.lb  
 Locked rotor torque : 250 %  
 Breakdown torque : 270 %  
 Insulation class : F  
 Service factor : 1.15  
 Moment of inertia (J) : 178 sq.ft.lb  
 Design : A

Locked rotor time : 45s (cold) 25s (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> : 78.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 3455 lb

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	95.8	96.2	96.2
Power Factor	0.00	0.68	0.79	0.83

Foundation loads

Max. traction : 4069 lb  
 Max. compression : 7524 lb

	Drive end	Non drive end
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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Customer :

### Space heater information

Voltage: 200 - 240 V

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