

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13503287

Catalog # : 25012ET3HKD580Z-W22

Frame : 586/7TZ  
 Output : 250 HP (185 kW)  
 Poles : 6  
 Frequency : 60 Hz  
 Rated voltage : 575 V  
 Rated current : 242 A  
 L. R. Amperes : 1476 A  
 LRC : 6.1x(Code G)  
 No load current : 105 A  
 Rated speed : 1193 rpm  
 Slip : 0.58 %  
 Rated torque : 1100 ft.lb  
 Locked rotor torque : 210 %  
 Breakdown torque : 229 %  
 Insulation class : F  
 Service factor : 1.15  
 Moment of inertia (J) : 226 sq.ft.lb  
 Design : A

Locked rotor time : 54s (cold) 30s (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> : 3206 lb

Output 25% 50% 75% 100%

Efficiency (%) 0.000 95.0 95.4 95.8  
 Power Factor 0.00 0.67 0.76 0.80

Foundation loads

Max. traction : 3677 lb  
 Max. compression : 6883 lb

	Drive end	Non drive end
Bearing type :	NU-324 C3	6319 C3
Sealing :	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval :	6000 h	13000 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 :

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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