

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : ODP NEMA Premium Efficiency Three-Phase

Product code : 14112256

Catalog # : 25036OT3G445TSC-RF

Frame : 444/5TSC  
 Output : 250 HP (185 kW)  
 Poles : 2  
 Frequency : 60 Hz  
 Rated voltage : 460 V  
 Rated current : 278 A  
 L. R. Amperes : 1668 A  
 LRC : 6.0x(Code F)  
 No load current : 65.0 A  
 Rated speed : 3565 rpm  
 Slip : 0.97 %  
 Rated torque : 368 ft.lb  
 Locked rotor torque : 190 %  
 Breakdown torque : 250 %  
 Insulation class : F  
 Service factor : 1.15  
 Moment of inertia (J) : 30.2 sq.ft.lb  
 Design : B

Locked rotor time : 32s (cold) 18s (hot)  
 Temperature rise : 80 K  
 Duty cycle : Cont.(S1)  
 Ambient temperature : -20°C to +40°C  
 Altitude : 1000 m.a.s.l.  
 Protection degree : IP23  
 Cooling method : IC01 - ODP  
 Mounting : F-1  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Noise level<sup>2</sup> : 88.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 1526 lb

Output	25%		50%		75%		100%	
Efficiency (%)	93.9	91.4	94.1	92.9	95.0	94.1	95.0	95.6
	91.4	92.1	92.9	93.2	94.1	94.6	95.6	95.7
	92.7	92.7	93.6	93.6	94.1	94.1	95.0	95.0
	93.5		94.1		94.5		95.0	
Power Factor	0.61	0.60	0.84	0.80	0.87	0.86	0.88	0.88
	0.56	0.53	0.78	0.76	0.85	0.84	0.88	0.88
	0.64	0.60	0.83	0.81	0.87	0.86	0.88	0.88
	0.57		0.79		0.86		0.88	

Foundation loads  
 Max. traction : 1833 lb  
 Max. compression : 3360 lb

	Drive end	Non drive end
Bearing type :	6314 C3	6314 C3
Sealing :	Without Bearing Seal	Without Bearing Seal
Lubrication interval :	14418 h	14418 h
Lubricant amount :	27 g	27 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: 110-127/200-240 V

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