

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase

Product code :

13781000

Catalog # :

35036OP3GFP447/9TSW4

Frame : 447/9TS  
Output : 350 HP (260 kW)  
Poles : 2  
Frequency : 60 Hz  
Rated voltage : 460 V  
Rated current : 386 A  
L. R. Amperes : 2509 A  
LRC : 6.5x(Code G)  
No load current : 88.0 A  
Rated speed : 3565 rpm  
Slip : 0.97 %  
Rated torque : 516 ft.lb  
Locked rotor torque : 170 %  
Breakdown torque : 250 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 35.7 sq.ft.lb  
Design : B

Locked rotor time : 25s (cold) 14s (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> : 85.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 1965 lb

Output	25%	50%	75%	100%				
Efficiency (%)	94.4	95.3	94.5	95.0	95.0	94.5	95.0	94.1
	95.3	95.3	95.0	95.0	95.0	95.0	94.5	94.5
Power Factor	0.61	0.65	0.83	0.84	0.88	0.89	0.89	0.90
	0.62	0.60	0.83	0.82	0.88	0.88	0.89	0.89

Foundation loads  
Max. traction : 2990 lb  
Max. compression : 4955 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 :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermistor - 2 wires	1 x Phase	155 °C

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