

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase

Product code :

14385123

Catalog # :

35036OP3HFP447/9TSW4

Frame	: 447/9TS	Locked rotor time	: 25s (cold) 14s (hot)
Output	: 350 HP (260 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 309 A	Protection degree	: IP23
L. R. Amperes	: 2007 A	Cooling method	: IC01 - ODP
LRC	: 6.5x(Code G)	Mounting	: F-1
No load current	: 70.4 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3565 rpm	Noise level ²	: 85.0 dB(A)
Slip	: 0.97 %	Starting method	: Direct On Line
Rated torque	: 516 ft.lb	Approx. weight ³	: 1874 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		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	94.4	94.5	95.0	95.0	Max. traction	: 2499 lb
Power Factor	0.61	0.83	0.88	0.89	Max. compression	: 4373 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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