

DATA SHEET

Three Phase Induction Motor - Squirrel Cage

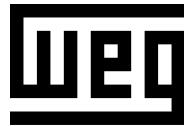


Customer :					
Product line	: W40 High Efficiency Three-Phase	Product code :	14385123		
		Catalog # :	35036OP3HFP447/9TSW4		
Frame	: 447/9TS	Locked rotor time	: 25s (cold) 14s (hot)		
Output	: 350 HP (260 kW)	Temperature rise	: 80 K		
Poles	: 2	Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz	Ambient temperature	: -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
		<u>Drive end</u>		<u>Non drive end</u>	
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.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
(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.					

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Customer :

Thermal protection

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

Rev.

Changes Summary

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Revision