

DATA SHEET

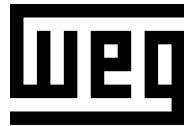
Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code : 13568154		
				Catalog # : 35036OT3G447/9TS-W40		
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	: 460 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 384 A	Protection degree	: IP23			
L. R. Amperes	: 2496 A	Cooling method	: IC01 - ODP			
LRC	: 6.5x(Code G)	Mounting	: F-1			
No load current	: 88.0 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 3565 rpm	Noise level ²	: 87.0 dB(A)			
Slip	: 0.97 %	Starting method	: Direct On Line			
Rated torque	: 516 ft.lb	Approx. weight ³	: 1966 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	: A					
Output	25%	50%	75%	100%		
Efficiency (%)	94.9	93.4	95.0	94.4		
	93.7	93.7	94.5	94.5		
	94.5	94.9	95.0	95.0		
	94.9	95.0	95.0	95.0		
Power Factor	0.61	0.61	0.83	0.81		
	0.58	0.55	0.79	0.78		
	0.65	0.62	0.84	0.83		
	0.60	0.82	0.88	0.89		
Foundation loads						
	Max. traction		: 2990 lb			
	Max. compression		: 4955 lb			
Drive end						
Bearing type	: 6314 C3	Non drive end	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.						
Rev.	Changes Summary			Performed		
				Checked		
Performed by						
Checked by						
Date	29/03/2024					
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Three Phase Induction Motor - Squirrel Cage



Customer :

Thermal protection

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

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Changes Summary

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