

# DATA SHEET

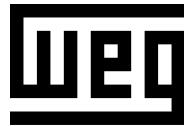
## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line		: W40 NEMA Premium Efficiency Three-Phase		Product code : 13575098		
		Catalog # : 50036OT3G449TS-RFW40				
Frame	: 447/9TS	Locked rotor time	: 25s (cold) 14s (hot)			
Output	: 500 HP (370 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	: 536 A	Protection degree	: IP23			
L. R. Amperes	: 3806 A	Cooling method	: IC01 - ODP			
LRC	: 7.1x(Code G)	Mounting	: F-1			
No load current	: 120 A	Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated speed	: 3570 rpm	Noise level <sup>2</sup>	: 87.0 dB(A)			
Slip	: 0.83 %	Starting method	: Direct On Line			
Rated torque	: 735 ft.lb	Approx. weight <sup>3</sup>	: 2252 lb			
Locked rotor torque	: 190 %					
Breakdown torque	: 250 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 46.9 sq.ft.lb					
Design	: A					
Output	25%	50%	75%	100%		
Efficiency (%)	95.7	93.6	95.8	94.3		
	93.5	93.5	94.2	94.2		
	94.2	94.2	95.0	95.0		
	94.2	95.0	95.0	95.0		
Power Factor	0.62	0.61	0.84	0.82		
	0.57	0.53	0.79	0.77		
	0.65	0.60	0.85	0.82		
	0.57	0.80	0.87	0.88		
Foundation loads						
Max. traction				: 4380 lb		
Max. compression				: 6631 lb		
Drive end						
Bearing type	: 6314 C4	Non drive end				
Sealing	: Without Bearing Seal	6314 C4				
Lubrication interval	: 14418 h	Without Bearing Seal				
Lubricant amount	: 27 g	14418 h				
Lubricant type	: Mobil Polyrex EM	27 g				
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.						
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Customer :

### Thermal protection

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

### Space heater information

Voltage: 110-127/200-240 V

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