

# DATA SHEET

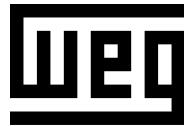
## Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code :	14504365		
			Catalog # :	00209XT3E213T		
Frame	: 213/5T	Locked rotor time	: 63s (cold) 35s (hot)			
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K			
Poles	: 8	Duty cycle	: Cont.(S1)			
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C			
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.			
Rated current	: 6.90/3.45 A	Protection degree	: IP55			
L. R. Amperes	: 48.3/24.2 A	Cooling method	: IC411 - TEFC			
LRC	: 7.0x(Code L)	Mounting	: F-1			
No load current	: 4.40/2.20 A	Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated speed	: 875 rpm	Noise level <sup>2</sup>	: 52.0 dB(A)			
Slip	: 2.78 %	Starting method	: Direct On Line			
Rated torque	: 12.0 ft.lb	Approx. weight <sup>3</sup>	: 181 lb			
Locked rotor torque	: 229 %					
Breakdown torque	: 280 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 1.31 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	78.4	80.6	80.0	81.0		
	81.2	81.2	81.5	81.5		
Power Factor	0.25	0.30	0.45	0.52		
	0.27	0.25	0.49	0.46		
Foundation loads						
	Max. traction		: 140 lb			
	Max. compression		: 321 lb			
Drive end						
Bearing type	: 6308 2RS	Non drive end	6207 2RS			
Sealing	: Oil Seal		Lip Seal			
Lubrication interval	: -		-			
Lubricant amount	: -		-			
Lubricant type	: Mobil Polyrex EM					
Notes:						
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>						
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	Thermostat - 2 wires	1 x Phase	155 °C

Rev.

Changes Summary

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