

DATA SHEET

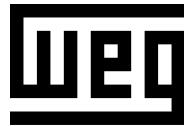
Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: W21 Explosion Proof NEMA Premium Efficiency Three-Phase		Product code :	11485689		
			Catalog # :	02509XT3E326T		
Frame	: 326T	Locked rotor time	: 36s (cold) 20s (hot)			
Output	: 25 HP (18.5 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	: 70.8/35.4 A	Protection degree	: IP55			
L. R. Amperes	: 361/181 A	Cooling method	: IC411 - TEFC			
LRC	: 5.1x(Code G)	Mounting	: F-1			
No load current	: 40.7/20.4 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 885 rpm	Noise level ²	: 56.0 dB(A)			
Slip	: 1.67 %	Starting method	: Direct On Line			
Rated torque	: 148 ft.lb	Approx. weight ³	: 682 lb			
Locked rotor torque	: 220 %					
Breakdown torque	: 240 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 11.9 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	90.8	92.0	91.0	91.0		
	89.9	89.2	90.2	89.5		
Power Factor	0.29	0.34	0.51	0.58		
	0.31	0.28	0.53	0.50		
				0.65		
				0.62		
				0.73		
				0.70		
Foundation loads						
Bearing type	: 6312 2RS C3		Max. traction	: 1247 lb		
Sealing	: Oil Seal		Max. compression	: 1928 lb		
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

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Changes Summary

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