

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :									
Product line	: W22 Cooling Tower High Efficiency Three-Phase	Product code :	12174883						
		Catalog # :	04089EP3PCT326V-W22						
Frame	: 324/6T	Locked rotor time	: 16s (cold) 9s (hot)						
Output	: 40 HP (30 kW)	Temperature rise	: 80 K						
Poles	: 4	Duty cycle	: Cont.(S1)						
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C						
Rated voltage	: 200 V	Altitude	: 1000 m.a.s.l.						
Rated current	: 110 A	Protection degree	: IP55						
L. R. Amperes	: 771 A	Cooling method	: IC411 - TEFC						
LRC	: 7.0x(Code H)	Mounting	: F-2						
No load current	: 41.4 A	Rotation <sup>1</sup>	: Both (CW and CCW)						
Rated speed	: 1780 rpm	Noise level <sup>2</sup>	: 69.0 dB(A)						
Slip	: 1.11 %	Starting method	: Direct On Line						
Rated torque	: 118 ft.lb	Approx. weight <sup>3</sup>	: 2.2 lb						
Locked rotor torque	: 270 %								
Breakdown torque	: 280 %								
Insulation class	: F								
Service factor	: 1.15								
Moment of inertia (J)	: 9.16 sq.ft.lb								
Output	25%	50%	75%	100%	Foundation loads				
Efficiency (%)	91.3	84.7	91.5	85.0	92.4	87.0	92.4	87.0	Max. traction : 386 lb
Power Factor	0.45	0.26	0.70	0.45	0.80	0.56	0.85	0.60	Max. compression : 388 lb
Bearing type		<u>Drive end</u> 6312 2RS C3		<u>Non drive end</u> 6212 2RS C3					
Sealing		V'Ring		V'Ring					
Lubrication interval		-		-					
Lubricant amount		-		-					
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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### Space heater information

Voltage: 110-127/200-240 V

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