

DATA SHEET

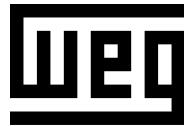
Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: W22 NEMA Premium Efficiency Three-Phase		Product code :	11879196	
Frame	: 504/5T	Locked rotor time	: 39s (cold) 22s (hot)		
Output	: 200 HP (150 kW)	Temperature rise	: 80 K		
Poles	: 4	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	: 228 A	Protection degree	: IP55		
L. R. Amperes	: 1436 A	Cooling method	: IC411 - TEFC		
LRC	: 6.3x(Code G)	Mounting	: F-3		
No load current	: 65.0 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1788 rpm	Noise level ²	: 75.0 dB(A)		
Slip	: 0.67 %	Starting method	: Direct On Line		
Rated torque	: 587 ft.lb	Approx. weight ³	: 2444 lb		
Locked rotor torque	: 229 %				
Breakdown torque	: 229 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 76.2 sq.ft.lb				
Design	: B				
Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	95.3	95.3	95.4	95.4	
	95.3	95.3	95.4	95.4	
Power Factor	0.52	0.58	0.75	0.80	Max. traction : 2336 lb
	0.54	0.52	0.77	0.75	
					Max. compression : 4781 lb
Losses at normative operating points (speed;torque), in percentage of rated output power					
Losses (%)	P1 (0,9;1,0)	4.3	4.3	4.3	4.3
	P2 (0,5;1,0)	3.2	3.2	3.2	3.2
	P3 (0,25;1,0)	2.7	2.7	2.7	2.7
	P4 (0,9;0,5)	2.4	2.4	2.4	2.4
	P5 (0,5;0,5)	1.5	1.5	1.5	1.5
	P6 (0,5;0,25)	1.1	1.1	1.1	1.1
	P7 (0,25;0,25)	0.6	0.6	0.6	0.6
Drive end			Non drive end		
Bearing type	: NU-319 C3		6316 C3		
Sealing	: WSeal		WSeal		
Lubrication interval	: 5000 h		10000 h		
Lubricant amount	: 45 g		34 g		
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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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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