

DATA SHEET

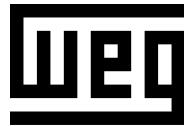
Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: W40 NEMA Premium Efficiency Three-Phase	Product code :	13621119		
		Catalog # :	30012OT3G447/9T-W40		
Frame	: 447/9T	Locked rotor time	: 32s (cold) 18s (hot)		
Output	: 300 HP (220 kW)	Temperature rise	: 105 K		
Poles	: 6	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	: 365 A	Protection degree	: IP23		
L. R. Amperes	: 2446 A	Cooling method	: IC01 - ODP		
LRC	: 6.7x(Code H)	Mounting	: F-1		
No load current	: 174 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1190 rpm	Noise level ²	: 79.0 dB(A)		
Slip	: 0.83 %	Starting method	: Direct On Line		
Rated torque	: 1320 ft.lb	Approx. weight ³	: 2370 lb		
Locked rotor torque	: 240 %				
Breakdown torque	: 280 %				
Insulation class	: F				
Service factor	: 1.00				
Moment of inertia (J)	: 131 sq.ft.lb				
Design	: A				
Output	50%	75%	100%		
Efficiency (%)	95.4 94.9	95.8 95.1	95.8 95.6		
	94.9 94.7	95.3 95.3	95.6 95.6		
	95.0 95.0	95.0 95.4	94.5 95.0		
	95.0	95.4	95.4		
Power Factor	0.62 0.58	0.73 0.71	0.79 0.78		
	0.52 0.48	0.66 0.62	0.74 0.71		
	0.63 0.58	0.75 0.70	0.80 0.77		
	0.53	0.67	0.74		
Bearing type		Drive end	Non drive end		
Sealing		6319 C3	6314 C3		
Lubrication interval		Without Bearing Seal	Without Bearing Seal		
Lubricant amount		20000 h	20000 h		
Lubricant type		45 g	27 g		
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.					
Rev.	Changes Summary		Performed	Checked	Date
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Customer :

Thermal protection

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

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