

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 12208161  
Catalog # : 15009ET3G449T-W22

Frame	: 447/9T	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 150 HP (110 kW)	Temperature rise	: 80 K
Poles	: 8	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	: 190 A	Protection degree	: IP55
L. R. Amperes	: 1178 A	Cooling method	: IC411 - TEFC
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 84.3 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 890 rpm	Noise level <sup>2</sup>	: 66.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 873 ft.lb	Approx. weight <sup>3</sup>	: 2878 lb
Locked rotor torque	: 200 %		
Breakdown torque	: 220 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: B		
Design			

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	93.8	93.9	94.5	94.5	Max. traction	: 3682 lb
Power Factor	0.37	0.61	0.71	0.77	Max. compression	: 6560 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6322 C3	6319 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	14000 h	17000 h
Lubricant amount	:	60 g	45 g
Lubricant type	:	Mobil Polyrex EM	

### Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (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.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page Revision 1 / 1		
Checked by				
Date	27/01/2018			