

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 14319545

Catalog # : 35012ST3QIE449T-W22

Frame	: L447/9T	Locked rotor time	: 41s (cold) 23s (hot)
Output	: 350 HP (260 kW)	Temperature rise	: 80 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	: 415 A	Protection degree	: IP55
L. R. Amperes	: 2864 A	Cooling method	: IC411 - TEFC
LRC	: 6.9x(Code H)	Mounting	: F-1
No load current	: 160 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1190 rpm	Noise level <sup>2</sup>	: 71.0 dB(A)
Slip	: 0.83 %	Starting method	: Direct On Line
Rated torque	: 1540 ft.lb	Approx. weight <sup>3</sup>	: 3574 lb
Locked rotor torque	: 250 %		
Breakdown torque	: 270 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 278 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	95.4	95.8	95.8
Power Factor	0.00	0.66	0.77	0.82

Foundation loads

Max. traction : 9330 lb  
Max. compression : 12905 lb

		Drive end	Non drive end
Bearing type	:	6322 C3	6319 C3
Sealing	:	Inpro/Seal	Inpro/Seal
Lubrication interval	:	11000 h	13000 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	27/03/2024			