

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13234211

Catalog # : 35012ET3H449T-W22

Frame : L447/9T  
 Output : 350 HP (260 kW)  
 Poles : 6  
 Frequency : 60 Hz  
 Rated voltage : 575 V  
 Rated current : 332 A  
 L. R. Amperes : 2291 A  
 LRC : 6.9x(Code H)  
 No load current : 128 A  
 Rated speed : 1190 rpm  
 Slip : 0.83 %  
 Rated torque : 1540 ft.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

Locked rotor time : 41s (cold) 23s (hot)  
 Temperature rise : 80 K  
 Duty cycle : Cont.(S1)  
 Ambient temperature : -20°C to +40°C  
 Altitude : 1000 m.a.s.l.  
 Protection degree : IP55  
 Cooling method : IC411 - TEFC  
 Mounting : F-1  
 Rotation<sup>1</sup> : Both (CW and CCW)  
 Noise level<sup>2</sup> : 71.0 dB(A)  
 Starting method : Direct On Line  
 Approx. weight<sup>3</sup> : 3593 lb

Output 25% 50% 75% 100%

Efficiency (%) 95.3 95.4 95.8 95.8  
 Power Factor 0.42 0.66 0.77 0.82

Foundation loads

Max. traction : 9321 lb  
 Max. compression : 12914 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
5.1	3.8	3.4	2.9	1.9	1.4	0.8

	Drive end	Non drive end
Bearing type :	6322 C3	6319 C3
Sealing :	WSeal	WSeal
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				
Checked by				
Date	28/03/2024			

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 Revision