

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11679187

Catalog # : 45036ET3G449TS-W22

Frame : L447/9TS
 Output : 450 HP (330 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 460 V
 Rated current : 475 A
 L. R. Amperes : 3420 A
 LRC : 7.2x(Code G)
 No load current : 115 A
 Rated speed : 3575 rpm
 Slip : 0.69 %
 Rated torque : 661 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 260 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 100 sq.ft.lb
 Design : B

Locked rotor time : 46s (cold) 26s (hot)
 Temperature rise : 105 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
 Rotation¹ : Both (CW and CCW)
 Noise level² : 88.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 3332 lb

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	95.4	95.8	95.8
Power Factor	0.00	0.84	0.89	0.91

Foundation loads

Max. traction : 2916 lb
 Max. compression : 6247 lb

	Drive end	Non drive end
Bearing type	6314 C4	6314 C4
Sealing	WSeal	WSeal
Lubrication interval	4000 h	4000 h
Lubricant amount	27 g	27 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 1 / 1		
Checked by				
Date	28/03/2024			
		Revision		