

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase

Product code : 11792554

Catalog # : 25036EG3G447TS-W22

Frame : 445/7TS
 Output : 250 HP (185 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 460 V
 Rated current : 267 A
 L. R. Amperes : 2109 A
 LRC : 7.9x(Code H)
 No load current : 70.0 A
 Rated speed : 3575 rpm
 Slip : 0.69 %
 Rated torque : 367 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 46.7 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
 Rotation¹ : Both (CW and CCW)
 Noise level² : 81.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 2301 lb

Output	25%		50%		75%		100%	
Efficiency (%)	95.7	95.7	95.8	95.8	96.5	96.2	96.5	96.2
	95.7	96.1	95.8	96.2	96.2	96.5	96.2	96.5
Power Factor	0.58	0.65	0.82	0.87	0.88	0.90	0.90	0.91
	0.62	0.59	0.85	0.83	0.89	0.88	0.90	0.89

Foundation loads
 Max. traction : 2378 lb
 Max. compression : 4680 lb

	Drive end	Non drive end
Bearing type :	6314 C3	6314 C3
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	29/03/2024			
		Revision		