

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11578387

Catalog # : 01536ET3E215T-W22

Frame : 213/5T
 Output : 15 HP (11 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 208-230/460 V
 Rated current : 37.7-34.1/17.0 A
 L. R. Amperes : 302-273/136 A
 LRC : 8.0x(Code J)
 No load current : 11.7-10.6/5.30 A
 Rated speed : 3525 rpm
 Slip : 2.08 %
 Rated torque : 22.3 ft.lb
 Locked rotor torque : 260 %
 Breakdown torque : 330 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 0.7214 sq.ft.lb
 Design : A

Locked rotor time : 21s (cold) 12s (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 : 72.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 171 lb

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	90.2	91.0	91.0
Power Factor	0.00	0.78	0.85	0.89

Foundation loads

Max. traction : 330 lb
 Max. compression : 501 lb

	Drive end	Non drive end
Bearing type	6308 ZZ	6207 ZZ
Sealing	V'Ring	V'Ring
Lubrication interval	0 h	0 h
Lubricant amount	0 g	0 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		