

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11537013

Catalog # : 20012ET3HKD505Z-W22

Frame : 504/5T
 Output : 200 HP (150 kW)
 Poles : 6
 Frequency : 60 Hz
 Rated voltage : 575 V
 Rated current : 197 A
 L. R. Amperes : 1478 A
 LRC : 7.5x(Code J)
 No load current : 84.0 A
 Rated speed : 1190 rpm
 Slip : 0.83 %
 Rated torque : 883 ft.lb
 Locked rotor torque : 280 %
 Breakdown torque : 280 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 167 sq.ft.lb
 Design : A

Locked rotor time : 32s (cold) 18s (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)
 Starting method : Direct On Line
 Approx. weight³ : 2602 lb

Output 25% 50% 75% 100%

Efficiency (%) 0.000 94.1 95.4 95.8
 Power Factor 0.00 0.63 0.74 0.80

Foundation loads

Max. traction : 4628 lb
 Max. compression : 7230 lb

		Drive end	Non drive end
Bearing type	:	NU-322 C3	6316 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	7000 h	16000 h
Lubricant amount	:	60 g	34 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	26/03/2024			