

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13500595

Catalog # : 25009ET3GKD586/7-W22

Frame : 586/7T
 Output : 250 HP (185 kW)
 Poles : 8
 Frequency : 60 Hz
 Rated voltage : 460 V
 Rated current : 315 A
 L. R. Amperes : 2552 A
 LRC : 8.1x(Code K)
 No load current : 165 A
 Rated speed : 895 rpm
 Slip : 0.56 %
 Rated torque : 1470 ft.lb
 Locked rotor torque : 200 %
 Breakdown torque : 229 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 394 sq.ft.lb
 Design : A

Locked rotor time : 72s (cold) 40s (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 : 75.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 4042 lb

Output 25% 50% 75% 100%

Efficiency (%) 0.000 94.5 95.8 95.8
 Power Factor 0.00 0.60 0.71 0.77

Foundation loads

Max. traction : 5018 lb
 Max. compression : 9060 lb

		Drive end	Non drive end
Bearing type	:	NU-322 C3	6319 C3
Sealing	:	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	:	13000 h	17000 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.

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Customer :

Space heater information

Voltage: 200 - 240 V

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