

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 13500625

Catalog # : 30012ET3GKD586/7-W22

Frame : 586/7T
 Output : 300 HP (220 kW)
 Poles : 6
 Frequency : 60 Hz
 Rated voltage : 460 V
 Rated current : 360 A
 L. R. Amperes : 2124 A
 LRC : 5.9x(Code G)
 No load current : 165 A
 Rated speed : 1193 rpm
 Slip : 0.58 %
 Rated torque : 1320 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 250 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 278 sq.ft.lb
 Design : A

Locked rotor time : 54s (cold) 30s (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 : 77.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 3495 lb

Output	25%	50%	75%	100%
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Efficiency (%)	0.000	95.0	95.8	95.8
Power Factor	0.00	0.65	0.75	0.80

Foundation loads

Max. traction : 5140 lb
 Max. compression : 8635 lb

	Drive end	Non drive end
Bearing type	NU-322 C3	6319 C3
Sealing	Taconite Labyrinth	Taconite Labyrinth
Lubrication interval	7000 h	13000 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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