

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase

Product code : 12174754

Catalog # : 03089EP3QCT326V2-W22

Frame : 324/6T
 Output : 30 HP (22 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 460 V
 Rated current : 37.3 A
 L. R. Amperes : 291 A
 LRC : 7.8x(Code J)
 No load current : 13.0 A
 Rated speed : 1780 rpm
 Slip : 1.11 %
 Rated torque : 88.5 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 280 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 9.16 sq.ft.lb

Locked rotor time : 27s (cold) 15s (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-2
 Rotation¹ : Both (CW and CCW)
 Noise level² : 69.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 596 lb

Output	25%	50%	75%	100%				
Efficiency (%)	89.4	71.3	90.2	74.0	91.7	78.5	92.4	81.5
Power Factor	0.43	0.17	0.65	0.30	0.75	0.40	0.80	0.48

Foundation loads
 Max. traction : 160 lb
 Max. compression : 756 lb

	Drive end	Non drive end
Bearing type	6312 2RS C3	6212 2RS C3
Sealing	V'Ring	V'Ring
Lubrication interval	-	-
Lubricant amount	-	-
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: 110-127/200-240 V

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