

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase

Product code : 12176623

Catalog # : 02589EP3QCT324V2-W22

Frame : 324T
Output : 25 HP (18.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 30.9 A
L. R. Amperes : 204 A
LRC : 6.6x(Code H)
No load current : 13.0 A
Rated speed : 1780 rpm
Slip : 1.11 %
Rated torque : 73.8 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 260 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 7.85 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 : 535 lb

Output	25%	50%	75%	100%
Efficiency (%)	88.7	89.5	91.0	91.7
Power Factor	0.42	0.67	0.77	0.82

Foundation loads
Max. traction : 468 lb
Max. compression : 1003 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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