

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower NEMA
Premium Efficiency Three-Phase

Product code : 11998746

Catalog # : 04018ET3PCT324TF1-W2

Frame : 324T
Output : 40 HP (30 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 200 V
Rated current : 108 A
L. R. Amperes : 661 A
LRC : 6.1x(Code G)
No load current : 36.8 A
Rated speed : 1775 rpm
Slip : 1.39 %
Rated torque : 117 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 240 %
Insulation class : F
Service factor : 1.25
Moment of inertia (J) : 9.16 sq.ft.lb
Design : B

Locked rotor time : 36s (cold) 20s (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 : 66.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 567 lb

Output	25%	50%	75%	100%
Efficiency (%)	93.5	93.6	94.1	94.1
Power Factor	0.47	0.72	0.80	0.85

Foundation loads
Max. traction : 807 lb
Max. compression : 1373 lb

	<u>Drive end</u>	<u>Non drive end</u>
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 2 Revision		
Checked by				
Date	23/01/2018			

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Customer :

Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary		Performed	Checked	Date
Performed by			Page 2 / 2		Revision
Checked by					
Date	23/01/2018				