

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase

Product code : 12172563

Catalog # : 00589EP3PCT215V2F1-W

Frame : 213/5T
 Output : 5 HP (3.7 kW)
 Poles : 4
 Frequency : 60 Hz
 Rated voltage : 200 V
 Rated current : 15.1 A
 L. R. Amperes : 149 A
 LRC : 9.9x(Code M)
 No load current : 8.97 A
 Rated speed : 1780 rpm
 Slip : 1.11 %
 Rated torque : 14.8 ft.lb
 Locked rotor torque : 220 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.15
 Moment of inertia (J) : 1.56 sq.ft.lb

Locked rotor time : 18s (cold) 10s (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 : 61.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 180 lb

Output	25%	50%	75%	100%				
Efficiency (%)	82.1	65.4	84.0	68.0	86.5	74.0	88.5	77.0
Power Factor	0.35	0.15	0.61	0.30	0.72	0.39	0.80	0.48

Foundation loads
 Max. traction : 22 lb
 Max. compression : 202 lb

	Drive end	Non drive end
Bearing type	6308 2RS	6207 2RS
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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