

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase

Product code : 12172968

Catalog # : 00789EP3PCT213VF1-W2

Frame : 213T
Output : 7.5 HP (5.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 200 V
Rated current : 21.9 A
L. R. Amperes : 184 A
LRC : 8.4x(Code K)
No load current : 10.4 A
Rated speed : 1770 rpm
Slip : 1.67 %
Rated torque : 22.3 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 1.38 sq.ft.lb

Locked rotor time : 10s (cold) 6s (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 : 160 lb

Output	25%	50%	75%	100%				
Efficiency (%)	84.4	72.4	85.5	74.0	87.5	78.5	88.5	80.0
Power Factor	0.39	0.22	0.64	0.40	0.77	0.50	0.82	0.60

Foundation loads
Max. traction : 49 lb
Max. compression : 209 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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