

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase

Product code : 12172475

Catalog # : 00389EP3QCT182VF1-W2

Frame : 182T
Output : 3 HP (2.2 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 3.99 A
L. R. Amperes : 29.9 A
LRC : 7.5x(Code J)
No load current : 2.30 A
Rated speed : 1755 rpm
Slip : 2.50 %
Rated torque : 8.98 ft.lb
Locked rotor torque : 200 %
Breakdown torque : 290 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.3821 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 : 58.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 2.2 lb

Output	25%	50%	75%	100%				
Efficiency (%)	79.5	64.3	81.5	65.0	85.5	72.0	87.5	72.0
Power Factor	0.34	0.20	0.58	0.40	0.70	0.48	0.79	0.55

Foundation loads
Max. traction : 62 lb
Max. compression : 64 lb

	Drive end	Non drive end
Bearing type	6207 2RS	6206 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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