

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase

Product code : 12173125

Catalog # : 01589EP3PCT284V2F1-W

Frame : 284T  
Output : 15 HP (11 kW)  
Poles : 4  
Frequency : 60 Hz  
Rated voltage : 200 V  
Rated current : 41.9 A  
L. R. Amperes : 335 A  
LRC : 8.0x(Code J)  
No load current : 17.8 A  
Rated speed : 1781 rpm  
Slip : 1.06 %  
Rated torque : 44.2 ft.lb  
Locked rotor torque : 210 %  
Breakdown torque : 260 %  
Insulation class : F  
Service factor : 1.15  
Moment of inertia (J) : 4.68 sq.ft.lb

Locked rotor time : 25s (cold) 14s (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  
Rotation<sup>1</sup> : Both (CW and CCW)  
Noise level<sup>2</sup> : 64.0 dB(A)  
Starting method : Direct On Line  
Approx. weight<sup>3</sup> : 2.2 lb

Output	25%	50%	75%	100%				
Efficiency (%)	85.9	69.0	87.5	71.0	88.5	77.0	90.2	79.0
Power Factor	0.44	0.18	0.71	0.35	0.80	0.42	0.84	0.52

Foundation loads  
Max. traction : 258 lb  
Max. compression : 261 lb

	Drive end	Non drive end
Bearing type	6311 2RS C3	6211 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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