

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase

Product code : 14319098

Catalog # : 01526EP3HCT286VF1-W2

Frame : 284/6T
Output : 3.75 HP (2.8 kW)
Poles : 12
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 5.15 A
L. R. Amperes : 17.0 A
LRC : 3.3x(Code E)
No load current : 3.20 A
Rated speed : 580 rpm
Slip : 3.33 %
Rated torque : 34.0 ft.lb
Locked rotor torque : 130 %
Breakdown torque : 180 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 9.16 sq.ft.lb

Locked rotor time : 162s (cold) 90s (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 : 65.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 449 lb

Output	25%	50%	75%	100%				
Efficiency (%)	78.4	90.9	80.0	91.0	82.5	90.2	84.0	90.2
Power Factor	0.26	0.44	0.44	0.70	0.59	0.81	0.65	0.85

Foundation loads
Max. traction : 649 lb
Max. compression : 1098 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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