

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase
Product code : 12172960
Catalog # : 00589EP3QCT215V2F1-W

Frame	: 213/5T	Locked rotor time	: 18s (cold) 10s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 6.55 A	Protection degree	: IP55
L. R. Amperes	: 64.8 A	Cooling method	: IC411 - TEFC
LRC	: 9.9x(Code M)	Mounting	: F-1
No load current	: 3.90 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1780 rpm	Noise level ²	: 61.0 dB(A)
Slip	: 1.11 %	Starting method	: Direct On Line
Rated torque	: 14.8 ft.lb	Approx. weight ³	: 2.2 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.56 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	82.1	65.4	84.0	68.0	86.5	74.0	88.5	77.0	Max. traction	: 111 lb
Power Factor	0.35	0.15	0.61	0.30	0.72	0.39	0.80	0.48	Max. compression	: 113 lb

		<u>Drive end</u>	<u>Non drive end</u>
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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