

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase
Product code : 14319076
Catalog # : 00226EP3QCT213V-W22

Frame	: 213/5T	Locked rotor time	: 162s (cold) 90s (hot)
Output	: 0.5 HP (0.37 kW)	Temperature rise	: 80 K
Poles	: 12	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	: 1.33 A	Protection degree	: IP55
L. R. Amperes	: 4.66 A	Cooling method	: IC411 - TEFC
LRC	: 3.5x(Code J)	Mounting	: F-2
No load current	: 1.14 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 580 rpm	Noise level ²	: 49.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 4.53 ft.lb	Approx. weight ³	: 162 lb
Locked rotor torque	: 130 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 1.55 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	60.0	78.4	62.0	78.5	68.0	82.5	70.0	82.0	Max. traction	: 96 lb
Power Factor	0.18	0.29	0.35	0.53	0.43	0.65	0.50	0.73	Max. compression	: 259 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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