

DATA SHEET

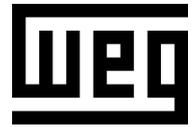


Three Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 Cooling Tower High Efficiency Three-Phase		Product code : 14319086			
			Catalog # : 01026EP3QCT284V-W22		
Frame	: 284/6T	Locked rotor time	: 154s (cold) 86s (hot)		
Output	: 2.5 HP (1.84 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	: 4.44 A	Protection degree	: IP55		
L. R. Amperes	: 15.1 A	Cooling method	: IC411 - TEFC		
LRC	: 3.4x(Code E)	Mounting	: F-2		
No load current	: 2.60 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 585 rpm	Noise level ²	: 65.0 dB(A)		
Slip	: 2.50 %	Starting method	: Direct On Line		
Rated torque	: 22.4 ft.lb	Approx. weight ³	: 419 lb		
Locked rotor torque	: 140 %				
Breakdown torque	: 190 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 7.85 sq.ft.lb				
Output	25%	50%	75%	100%	
Efficiency (%)	77.3	89.9	78.5	89.5	
Power Factor	0.26	0.45	0.44	0.70	
	0.56	0.80	0.63	0.85	
Foundation loads					
Max. traction : 275 lb					
Max. compression : 694 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
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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Space heater information

Voltage: 110-127/200-240 V

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