

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: Rolled Steel Premium Efficiency Three-Phase		Product code : 12812393
				Catalog # : 00156OT3E56CFL-S
Frame	: 56C	Locked rotor time	: 36s (cold) 20s (hot)	
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K	
Poles	: 2	Duty cycle	: Cont.(S1)	
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C	
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.	
Rated current	: 3.70/1.85 A	Cooling method	: IC01 - ODP	
L. R. Amperes	: 31.8/15.9 A	Mounting	: F-1	
LRC	: 8.6x(Code K)	Rotation ¹	: Both (CW and CCW)	
No load current	: 1.62/0.809 A	Noise level ²	: 62.0 dB(A)	
Rated speed	: 3510 rpm	Starting method	: Direct On Line	
Slip	: 2.50 %	Approx. weight ³	: 27.2 lb	
Rated torque	: 2.24 ft.lb			
Locked rotor torque	: 210 %			
Breakdown torque	: 330 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 0.0835 sq.ft.lb			
Design	: A			
Output	25%	50%	75%	100%
Efficiency (%)	81.1	83.5	81.5	82.7
	80.7		83.3	83.2
Power Factor	0.45	0.51	0.73	0.79
	0.43		0.83	0.88
		Drive end	Non drive end	
Bearing type	: 6204 ZZ		6202 ZZ	
Sealing	: Without Bearing Seal		Without Bearing Seal	
Lubrication interval	: -		-	
Lubricant amount	: -		-	
Lubricant type	: Mobil Polyrex EM			
Notes:				
This revision replaces and cancel the previous one, which must be eliminated.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
(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.				
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