

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		Rolled Steel Premium Efficiency Three-Phase	Product code :	12809665
			Catalog # :	00158OT3E56CFL-S
Frame	: 56C	Locked rotor time	: 25s (cold) 14s (hot)	
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K	
Poles	: 4	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	: 4.20/2.10 A	Cooling method	: IC01 - ODP	
L. R. Amperes	: 37.0/18.5 A	Mounting	: F-1	
LRC	: 8.8x(Code L)	Rotation <sup>1</sup>	: Both (CW and CCW)	
No load current	: 2.60/1.30 A	Noise level <sup>2</sup>	: 52.0 dB(A)	
Rated speed	: 1760 rpm	Starting method	: Direct On Line	
Slip	: 2.22 %	Approx. weight <sup>3</sup>	: 36.9 lb	
Rated torque	: 4.48 ft.lb			
Locked rotor torque	: 290 %			
Breakdown torque	: 350 %			
Insulation class	: F			
Service factor	: 1.15			
Moment of inertia (J)	: 0.1296 sq.ft.lb			
Design	: A			
Output	25%	50%	75%	100%
Efficiency (%)	82.9	84.3	84.0	83.7
	81.0	81.6	84.0	84.2
Power Factor	0.30	0.36	0.53	0.61
	0.30	0.53	0.67	0.76
		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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