

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :			
Product line	: Rolled Steel Fan and Exhaust Premium Efficiency Three-Phase	Product code :	13226522
		Catalog # :	.7518OT3ERB56-S
Frame	: 56	Locked rotor time	: 37s (cold) 21s (hot)
Output	: 0.75 HP (0.55 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 2.54-2.30/1.15 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 18.5-16.8/8.40 A	Mounting	: F-1
LRC	: 7.3x(Code K)	Rotation ¹	: Both (CW and CCW)
No load current	: 1.38-1.60/0.800 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1760 rpm	Starting method	: Direct On Line
Slip	: 2.22 %	Approx. weight ³	: 28.2 lb
Rated torque	: 2.24 ft.lb		
Locked rotor torque	: 250 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0712 sq.ft.lb		
Output	25% 50% 75% 100%	Foundation loads	
Efficiency (%)	71.6 76.5 74.0 76.6 78.5 79.2 81.1 78.8 72.3 73.6 77.8 78.9	Max. traction	: 63 lb
Power Factor	0.29 0.34 0.52 0.60 0.65 0.73 0.74 0.81 0.29 0.52 0.65 0.75	Max. compression	: 91 lb
Bearing type	: <u>Drive end</u> 6203 ZZ	<u>Non drive end</u> 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. (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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