

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel Fan and Exhaust Premium Efficiency Three-Phase			
Product code :	14590188			
Catalog # :	.3318OT3ERB56-S			
Frame : 56 Output : 0.33 HP (0.25 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 1.48-1.34/0.668 A L. R. Amperes : 9.16-8.28/4.14 A LRC : 6.2x(Code L) No load current : 0.948-1.10/0.550 A Rated speed : 1765 rpm Slip : 1.94 % Rated torque : 0.982 ft.lb Locked rotor torque : 229 % Breakdown torque : 330 % Insulation class : F Service factor : 1.35 Moment of inertia (J) : 0.0453 sq.ft.lb	Locked rotor time : 64s (cold) 36s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Cooling method : IC01 - ODP Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 52.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 21.7 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	59.2 63.1 62.0 65.0 70.0 70.6 73.4 72.5			
Power Factor	0.24 0.28 0.44 0.51 0.55 0.64 0.64 0.73			
	0.24 0.44 0.56 0.66			
Foundation loads				
Max. traction	: 24 lb			
Max. compression	: 45 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.				
Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by			Page	Revision
Date	27/12/2023		1 / 1	