

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel Fan and Exhaust Premium Efficiency Three-Phase			
Product code :	13661000			
Catalog # :	00158OT3ERB56-S			
Frame : 56H Output : 1.5 HP (1.1 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 4.20/2.10 A L. R. Amperes : 37.0/18.5 A LRC : 8.8x(Code L) No load current : 2.60/1.30 A Rated speed : 1760 rpm Slip : 2.22 % 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	Locked rotor time : 25s (cold) 14s (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 <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 52.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 41.2 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	82.9 84.3 84.0 83.7 85.5 84.7 86.5 83.6 81.0 81.6 84.0 84.2			
Power Factor	0.30 0.36 0.53 0.61 0.66 0.74 0.76 0.81 0.30 0.53 0.67 0.76			
Foundation loads	Max. traction : 160 lb Max. compression : 201 lb			
Bearing type	: <u>Drive end</u> 6204 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	29/04/2024		1 / 1	