

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase			
Product code :	14459467			
Catalog # :	01536OT3ER215TC-S			
Frame : 213/5TC Output : 15 HP (11 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 230/460 V Rated current : 34.4/17.2 A L. R. Amperes : 234/117 A LRC : 6.8x(Code H) No load current : 12.3/6.17 A Rated speed : 3535 rpm Slip : 1.81 % Rated torque : 22.3 ft.lb Locked rotor torque : 210 % Breakdown torque : 280 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.5512 sq.ft.lb Design : B	Locked rotor time : 14s (cold) 8s (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 : W-6 Rotation ¹ : Both (CW and CCW) Noise level ² : 66.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 138 lb			
Output	25% 50% 75% 100%			
Efficiency (%)	90.1 91.3 90.2 90.2 90.2 88.9 90.2 87.6 91.0 89.8 89.5 88.0			
Power Factor	0.50 0.57 0.77 0.83 0.86 0.89 0.89 0.91 0.47 0.75 0.85 0.89			
Foundation loads				
Max. traction	: 311 lb			
Max. compression	: 449 lb			
Bearing type	: <u>Drive end</u> 6208 ZZ <u>Non drive end</u> 6206 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	21/11/2024		1 / 1	