

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line	: W22 IEEE 841 NEMA Premium Efficiency Three-Phase			
Product code :	12764468			
Catalog # :	07518ST3QIERB365T-W2			
Frame : 364/5T Output : 75 HP (55 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 460 V Rated current : 87.2 A L. R. Amperes : 558 A LRC : 6.4x(Code G) No load current : 33.0 A Rated speed : 1780 rpm Slip : 1.11 % Rated torque : 30.6 kgfm Locked rotor torque : 240 % Breakdown torque : 260 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.9798 kgm ² Design : B	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. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 67.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 433 kg			
Output	25% 50% 75% 100%			
Efficiency (%)	94.0 94.5 95.0 95.4			
Power Factor	0.44 0.68 0.78 0.83			
Foundation loads				
Max. traction : 775 kgf				
Max. compression : 1208 kgf				
Bearing type	: <u>Drive end</u> NU-314 C3 <u>Non drive end</u> 6314 C3			
Sealing	: Inpro/Seal Inpro/Seal			
Lubrication interval	: 9000 h 12000 h			
Lubricant amount	: 27 g 27 g			
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	07/01/2022		1 / 1	