

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer		: Galco Industrial Electronics				
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code : 11625473 Catalog # : 04018ET3ER324TC-W22		
Frame		: 324TC		Locked rotor time : 36s (cold) 20s (hot)		
Output		: 40 HP (30 kW)		Temperature rise : 80 K		
Poles		: 4		Duty cycle : Cont.(S1)		
Frequency		: 60 Hz		Ambient temperature : -20°C to +40°C		
Rated voltage		: 230/460 V		Altitude : 1000 m.a.s.l.		
Rated current		: 94.2/47.1 A		Protection degree : IP55		
L. R. Amperes		: 575/287 A		Cooling method : IC411 - TEFC		
LRC		: 6.1x(Code G)		Mounting : W-6		
No load current		: 34.0/17.0 A		Rotation <sup>1</sup> : Both (CW and CCW)		
Rated speed		: 1770 rpm		Noise level <sup>2</sup> : 66.0 dB(A)		
Slip		: 1.67 %		Starting method : Direct On Line		
Rated torque		: 16.4 kgfm		Approx. weight <sup>3</sup> : 257 kg		
Locked rotor torque		: 229 %				
Breakdown torque		: 240 %				
Insulation class		: F				
Service factor		: 1.25				
Moment of inertia (J)		: 0.3861 kgm <sup>2</sup>				
Design		: B				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	93.4	93.6	94.1	94.1	Max. traction : 443 kgf	
Power Factor	0.46	0.72	0.80	0.85	Max. compression : 700 kgf	
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6312 C3		6212 C3		
Sealing	:	V'Ring		V'Ring		
Lubrication interval	:	14000 h		15000 h		
Lubricant amount	:	21 g		13 g		
Lubricant type	:	Mobil Polyrex EM				
Notes USABLE @208V 104A SF 1.15 SFA 120A						
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	21/08/2020				1 / 1	