

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer		: Galco Industrial Electronics				
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code : 11625694 Catalog # : 03018ET3ER286TC-W22		
Frame		: 286TC		Locked rotor time : 36s (cold) 20s (hot)		
Output		: 30 HP (22 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		: 70.2/35.1 A		Protection degree : IP55		
L. R. Amperes		: 428/214 A		Cooling method : IC411 - TEFC		
LRC		: 6.1x(Code G)		Mounting : W-6		
No load current		: 26.0/13.0 A		Rotation ¹ : Both (CW and CCW)		
Rated speed		: 1765 rpm		Noise level ² : 63.0 dB(A)		
Slip		: 1.94 %		Starting method : Direct On Line		
Rated torque		: 12.3 kgfm		Approx. weight ³ : 206 kg		
Locked rotor torque		: 240 %				
Breakdown torque		: 240 %				
Insulation class		: F				
Service factor		: 1.25				
Moment of inertia (J)		: 0.2467 kgm ²				
Design		: B				
Output		25%	50%	75%	100%	
Efficiency (%)		92.3	93.0	93.0	93.6	
Power Factor		0.46	0.70	0.80	0.84	
		Foundation loads				
		Max. traction : 409 kgf				
		Max. compression : 615 kgf				
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type		: 6311 C3		6211 C3		
Sealing		: V'Ring		V'Ring		
Lubrication interval		: 15000 h		17000 h		
Lubricant amount		: 18 g		11 g		
Lubricant type		: Mobil Polyrex EM				
Notes USABLE @208V 77.6A SF 1.15 SFA 89.3A						
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
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Checked by					Page	Revision
Date	21/08/2020				1 / 1	