

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer		: Processtec, Inc							
Product line		: W22 NEMA Premium Efficiency Three-Phase				Product code :		11443945	
						Catalog # :		03018ET3E286T-W22	
Frame : 284/6T Output : 30 HP (22 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 77.6-70.2/35.1 A L. R. Amperes : 474-428/214 A LRC : 6.1x(Code G) No load current : 22.4-26.0/13.0 A Rated speed : 1765 rpm Slip : 1.94 % Rated torque : 12.2 kgfm Locked rotor torque : 240 % Breakdown torque : 240 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.2467 kgm ² Design : B					Locked rotor time : 36s (cold) 20s (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 : 63.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 204 kg				
Output	25%	50%	75%	100%	Foundation loads				
Efficiency (%)	92.3	93.0	93.0	93.6	Max. traction : 452 kgf				
Power Factor	0.46	0.70	0.80	0.84	Max. compression : 657 kgf				
					<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6311 C3			6211 C3				
Sealing	:	V'Ring			V'Ring				
Lubrication interval	:	20000 h			20000 h				
Lubricant amount	:	18 g			11 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									
Date	16/09/2018					Page		Revision	
						1 / 1			