

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code :	12445727
				Catalog # :	00318ET3H182TC-W22
Frame : 182/4TC Output : 3 HP (2.2 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 575 V Rated current : 3.13 A L. R. Amperes : 25.3 A LRC : 8.1x(Code K) No load current : 1.60 A Rated speed : 1760 rpm Slip : 2.22 % Rated torque : 8.83 ft.lb Locked rotor torque : 229 % Breakdown torque : 340 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.3401 sq.ft.lb Design : B			Locked rotor time : 41s (cold) 23s (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 <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 56.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 92.3 lb		
Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	86.4	87.5	88.5	89.5	Max. traction : 148 lb
Power Factor	0.36	0.61	0.73	0.79	Max. compression : 240 lb
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6207 ZZ		6206 ZZ	
Sealing	:	V'Ring		V'Ring	
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
Performed by					
Checked by					
Date	24/01/2018				
				Page	Revision
				1 / 1	