

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: W22 NEMA Premium Efficiency Three-Phase		Product code : 12744550
				Catalog # : 00159ET3H184T-W22
Frame : 182/4T Output : 1.5 HP (1.1 kW) Poles : 8 Frequency : 60 Hz Rated voltage : 575 V Rated current : 2.16 A L. R. Amperes : 12.7 A LRC : 5.9x(Code K) No load current : 1.60 A Rated speed : 865 rpm Slip : 3.89 % Rated torque : 8.98 ft.lb Locked rotor torque : 290 % Breakdown torque : 340 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.5766 sq.ft.lb Design : B		Locked rotor time : 30s (cold) 17s (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 : 50.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 95.7 lb		
Output	50%	75%	100%	Foundation loads
Efficiency (%)	80.0	82.5	82.5	Max. traction : 150 lb
Power Factor	0.43	0.54	0.62	Max. compression : 245 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	27/01/2018			
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