

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : W22 Single-Phase		Product code : 14112693			
		Catalog # : 00518ES1E184TC-W22			
Frame : 182/4TC Output : 5 HP (3.7 kW) Poles : 4 Frequency : 60 Hz Rated voltage : 208-230/460 V Rated current : 23.0-21.4/10.7 A L. R. Amperes : 150-139/69.5 A LRC : 6.5x(Code H) No load current : 6.21-7.20/3.60 A Rated speed : 1730 rpm Slip : 3.89 % Rated torque : 15.2 ft.lb Locked rotor torque : 330 % Breakdown torque : 235 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.4357 sq.ft.lb		Locked rotor time : 12s (cold) 7s (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 : 60.0 dB(A) Starting method : Direct On Line Approx. weight ³ : 121 lb			
Output	25%	50%	75%	100%	
Efficiency (%)	70.8	72.5	78.5	80.0	
Power Factor	0.61	0.89	0.93	0.94	
Foundation loads					
Max. traction : 167 lb					
Max. compression : 288 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	Date
Performed by					
Checked by				Page	Revision
Date	16/04/2025			1 / 1	