

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :					
Product line : Rolled Steel Single-Phase		Product code : 13256036			
		Catalog # : 00236AS1RAF143TZ-S			
Frame : 143/5T Output : 2 HP (1.5 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 115/208-230 V Rated current : 17.5/9.62-8.73 A L. R. Amperes : 137/75.0-68.1 A LRC : 7.8x(Code J) No load current : 5.00/0.000-2.50 A Rated speed : 3495 rpm Slip : 2.92 % Rated torque : 3.01 ft.lb Locked rotor torque : 220 % Breakdown torque : 250 % Insulation class : F Service factor : 1.15 Moment of inertia (J) : 0.0712 sq.ft.lb Design : L		Locked rotor time : 10s (cold) 6s (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 : IC418 - TEAO Mounting : F-1 Rotation ¹ : Both (CW and CCW) Starting method : Direct On Line Approx. weight ³ : 40.8 lb			
Output	25%	50%	75%	100%	
Efficiency (%)	0.000	70.0	75.0	77.0	
Power Factor	0.00	0.94	0.97	0.97	
Foundation loads					
Max. traction : 45 lb					
Max. compression : 85 lb					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6205 ZZ	6202 ZZ		
Sealing	:	V'Ring	Without Bearing Seal		
Lubrication interval	:	0 h	0 h		
Lubricant amount	:	0 g	0 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				Page	Revision
Date	26/03/2024			1 / 1	