

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line	: General Single-Phase	Product code :	10015733		
		Catalog # :	00158ES1E145T		
Frame	: G143/5T	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K		
Poles	: 4	Duty cycle	: Cont.(S1)		
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C		
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 8.70-8.70/4.35 A	Protection degree	: IP55		
L. R. Amperes	: 56.5-56.5/28.3 A	Cooling method	: IC411 - TEFC		
LRC	: 6.5x(Code K)	Mounting	: F-1		
No load current	: 5.09-5.90/2.95 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1750 rpm	Noise level ²	: 55.0 dB(A)		
Slip	: 2.78 %	Starting method	: Direct On Line		
Rated torque	: 4.50 ft.lb	Approx. weight ³	: 51.2 lb		
Locked rotor torque	: 280 %				
Breakdown torque	: 260 %				
Insulation class	: B				
Service factor	: 1.15				
Moment of inertia (J)	: 0.1955 sq.ft.lb				
Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	68.4	70.0	75.0	76.5	Max. traction : 76 lb
Power Factor	0.29	0.52	0.64	0.72	Max. compression : 127 lb
		<u>Drive end</u>		<u>Non drive end</u>	
Bearing type	:	6205 ZZ		6203 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.				These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.	
(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.					

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	25/03/2024		Page 1 / 1	Revision