

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line : ROLLED STEEL		Product code : 13869847 Catalog # : 00158ES1B145T-S			
Frame	: 143/5T	Locked rotor time	: 14s (cold) 8s (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	: 115/208-230 V	Altitude	: 1000 m.a.s.l.		
Rated current	: 15.0/8.27-7.48 A	Protection degree	: IP55		
L. R. Amperes	: 120/66.2-59.8 A	Cooling method	: IC411 - TEFC		
LRC	: 8.0x(Code L)	Mounting	: F-1		
No load current	: 7.80/3.36-3.90 A	Rotation ¹	: Both (CW and CCW)		
Rated speed	: 1745 rpm	Noise level ²	: 54.0 dB(A)		
Slip	: 3.06 %	Starting method	: Direct On Line		
Rated torque	: 4.51 ft.lb	Approx. weight ³	: 48.0 lb		
Locked rotor torque	: 250 %				
Breakdown torque	: 270 %				
Insulation class	: F				
Service factor	: 1.15				
Moment of inertia (J)	: 0.1426 sq.ft.lb				
Design	: L				
Output	25%	50%	75%	100%	
Efficiency (%)	67.0	69.0	75.0	77.0	
Power Factor	0.42	0.68	0.78	0.83	
Foundation loads					
Max. traction		: 82 lb			
Max. compression		: 130 lb			
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6205 ZZ	6203 ZZ		
Sealing	:	V'Ring	Without Bearing Seal		
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	20/02/2023			1 / 1	