

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 14502589
Catalog # : 00136ES1B143T-S

Frame	: 143/5T	Locked rotor time	: 14s (cold) 8s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 10.1/5.64-5.06 A	Protection degree	: IP55
L. R. Amperes	: 84.8/47.4-42.5 A	Cooling method	: IC411 - TEFC
LRC	: 8.4x(Code L)	Mounting	: F-1
No load current	: 5.50/2.37-2.75 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3500 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 1.50 ft.lb	Approx. weight ³	: 30.1 lb
Locked rotor torque	: 280 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0475 sq.ft.lb		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	55.0	64.0	70.0	Max. traction	: 21 lb
Power Factor	0.00	0.82	0.88	0.92	Max. compression	: 51 lb

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6203 ZZ
Sealing	:	V'Ring	V'Ring
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		Page 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	