

# DATA SHEET

## Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : General Single-Phase      Product code : 10722428  
Catalog # : 00136ES1B143T

Frame	: F143/5T	Locked rotor time	: 10s (cold) 6s (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	: 12.8/6.40-6.40 A	Protection degree	: IP55
L. R. Amperes	: 89.6/44.8-44.8 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code M)	Mounting	: F-1
No load current	: 9.00/3.88-4.50 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3500 rpm	Starting method	: Direct On Line
Slip	: 2.78 %	Approx. weight <sup>2</sup>	: 36.1 lb
Rated torque	: 1.50 ft.lb		
Locked rotor torque	: 320 %		
Breakdown torque	: 280 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0515 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	51.9	55.0	63.0	67.0	Max. traction : 18 lb
Power Factor	0.33	0.56	0.67	0.75	Max. compression : 54 lb

	Drive end	Non drive end
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.

- (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					
Date	25/03/2024				
				Page	Revision
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