

# 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 <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level <sup>2</sup>	: 55.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 4.50 ft.lb	Approx. weight <sup>3</sup>	: 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

	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		Page 1 / 1 Revision		
Checked by				
Date	25/03/2024			