

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Single-Phase

Product code : 13856625
Catalog # : 00156ES1B143T-S

Frame : 143/5T
Output : 1.5 HP (1.1 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 115/208-230 V
Rated current : 13.2/7.30-6.60 A
L. R. Amperes : 106/58.4-52.8 A
LRC : 8.0x(Code K)
No load current : 4.60/1.98-2.30 A
Rated speed : 3500 rpm
Slip : 2.78 %
Rated torque : 2.25 ft.lb
Locked rotor torque : 240 %
Breakdown torque : 250 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0589 sq.ft.lb
Design : L

Locked rotor time : 12s (cold) 7s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 68.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 35.3 lb

Output	25%	50%	75%	100%
Efficiency (%)	64.0	66.0	73.0	75.0
Power Factor	0.63	0.92	0.95	0.97

Foundation loads
Max. traction : 31 lb
Max. compression : 66 lb

	Drive end	Non drive end
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		Page 1 / 1		
Checked by				
Date	26/03/2024			
		Revision		