

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12675399

Catalog # : 00158ET3E145T-S

Frame : 143/5T
Output : 1.5 HP (1.1 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 4.04/2.02 A
L. R. Amperes : 33.1/16.6 A
LRC : 8.2x(Code K)
No load current : 2.17/1.08 A
Rated speed : 1750 rpm
Slip : 2.78 %
Rated torque : 4.50 ft.lb
Locked rotor torque : 270 %
Breakdown torque : 300 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1101 sq.ft.lb
Design : B

Locked rotor time : 37s (cold) 21s (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 : 52.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 38.3 lb

Output	50%	75%	100%
Efficiency (%)	85.5 84.7 83.5	86.5 84.7 84.9	86.5 82.7 84.1
Power Factor	0.59 0.67 0.59	0.72 0.78 0.72	0.79 0.84 0.80

Foundation loads
Max. traction : 124 lb
Max. compression : 162 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		