

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency
Three-Phase

Product code : 12682576

Catalog # : 00236OT3H145TC-S

Frame : 143/5TC
Output : 2 HP (1.5 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 575 V
Rated current : 1.94 A
L. R. Amperes : 17.2 A
LRC : 8.9x(Code K)
No load current : 0.734 A
Rated speed : 3510 rpm
Slip : 2.50 %
Rated torque : 2.99 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 330 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.1151 sq.ft.lb
Design : B

Locked rotor time : 25s (cold) 14s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Cooling method : IC01 - ODP
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 62.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 37.4 lb

Output 25% 50% 75% 100%

Efficiency (%) 83.7 84.0 85.5 85.5
Power Factor 0.49 0.77 0.86 0.91

Foundation loads

Max. traction : 67 lb
Max. compression : 104 lb

	Drive end	Non drive end
Bearing type :	6205 ZZ	6203 ZZ
Sealing :	Without Bearing Seal	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 Revision 1 / 1		
Checked by				
Date	27/03/2024			