

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 12682568
Catalog # : 00118OT3H143TC-S

Frame	: 143/5TC	Locked rotor time	: 39s (cold) 22s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 1.21 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 9.66 A	Mounting	: F-1
LRC	: 8.0x(Code L)	Rotation ¹	: Both (CW and CCW)
No load current	: 0.766 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1760 rpm	Starting method	: Direct On Line
Slip	: 2.22 %	Approx. weight ³	: 16.1 kg
Rated torque	: 0.412 kgfm		
Locked rotor torque	: 290 %		
Breakdown torque	: 360 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0046 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	79.9	81.5	84.0	85.5	Max. traction	: 34 kgf
Power Factor	0.29	0.51	0.65	0.73	Max. compression	: 50 kgf

	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				
Checked by			Page	Revision
Date	27/12/2023		1 / 1	