

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 12682572
Catalog # : 00158OT3H145TC-S

Frame	: 143/5TC	Locked rotor time	: 27s (cold) 15s (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	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 1.66 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 14.4 A	Mounting	: F-1
LRC	: 8.7x(Code L)	Rotation ¹	: Both (CW and CCW)
No load current	: 0.958 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1760 rpm	Starting method	: Direct On Line
Slip	: 2.22 %	Approx. weight ³	: 42.7 lb
Rated torque	: 4.48 ft.lb		
Locked rotor torque	: 280 %		
Breakdown torque	: 330 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1426 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	84.0	86.5	86.5	Max. traction	: 107 lb
Power Factor	0.56	0.69	0.77	Max. compression	: 150 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
Checked by		1 / 1		
Date	27/12/2023			