

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 12877757
 Catalog # : 00158OT3P145TC-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	: 200 V	Altitude	: 1000 m.a.s.l.
Rated current	: 4.76 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 41.4 A	Mounting	: F-1
LRC	: 8.7x(Code L)	Rotation ¹	: Both (CW and CCW)
No load current	: 2.76 A	Noise level ²	: 52.0 dB(A)
Rated speed	: 1760 rpm	Starting method	: Direct On Line
Slip	: 2.22 %	Approx. weight ³	: 19.0 kg
Rated torque	: 0.619 kgfm		
Locked rotor torque	: 280 %		
Breakdown torque	: 330 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0060 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	83.6	84.0	86.5	86.5	Max. traction	: 48 kgf
Power Factor	0.32	0.56	0.69	0.77	Max. compression	: 67 kgf

		<u>Drive end</u>	<u>Non drive end</u>
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 1 / 1		Revision
Checked by				
Date	27/12/2023			