

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :				
Product line : Rolled Steel NEMA Premium Efficiency Three-Phase		Product code : 13304573		
		Catalog # : 00118OT3ER143TC-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	: 230/460 V		Altitude	: 1000 m.a.s.l.
Rated current	: 3.02/1.51 A		Cooling method	: IC01 - ODP
L. R. Amperes	: 24.2/12.1 A		Mounting	: W-6
LRC	: 8.0x(Code L)		Rotation <sup>1</sup>	: Both (CW and CCW)
No load current	: 1.92/0.958 A		Noise level <sup>2</sup>	: 52.0 dB(A)
Rated speed	: 1760 rpm		Starting method	: Direct On Line
Slip	: 2.22 %		Approx. weight <sup>3</sup>	: 15.5 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 <sup>2</sup>			
Design	: B			
Output	50%	75%	100%	Foundation loads
Efficiency (%)	81.5 81.9	84.0 83.4	85.5 82.6	Max. traction : 39 kgf
	80.1	82.9	83.2	
Power Factor	0.51 0.59	0.65 0.73	0.73 0.80	Max. compression : 54 kgf
	0.52	0.66	0.75	
		<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
Performed by			Page	Revision
Checked by				
Date	31/07/2023		1 / 1	