

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :								
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	15379022				
			Catalog # :	00218OT3E145T-SGH				
Frame	: 143/5T	Locked rotor time	: 30s (cold) 17s (hot)					
Output	: 2 HP (1.5 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	: 5.38/2.69 A	Cooling method	: IC01 - ODP					
L. R. Amperes	: 41.4/20.7 A	Mounting	: F-1					
LRC	: 7.7x(Code K)	Rotation ¹	: Both (CW and CCW)					
No load current	: 2.75/1.38 A	Noise level ²	: 52.0 dB(A)					
Rated speed	: 1740 rpm	Starting method	: Direct On Line					
Slip	: 3.33 %	Approx. weight ³	: 40.5 lb					
Rated torque	: 6.04 ft.lb							
Locked rotor torque	: 260 %							
Breakdown torque	: 320 %							
Insulation class	: H							
Service factor	: 1.15							
Moment of inertia (J)	: 0.1168 sq.ft.lb							
Design	: B							
Output	25%	50%	75%	100%				
Efficiency (%)	85.2	88.2	85.5	85.9				
	85.5	84.6	85.2	83.8				
Power Factor	0.36	0.42	0.61	0.69				
	0.35	0.61	0.74	0.81				
Foundation loads								
	Max. traction		: 159 lb					
	Max. compression		: 199 lb					
Bearing type	Drive end		Non drive end					
	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.								
Rev.	Changes Summary			Performed				
				Checked				
Performed by				Page				
Checked by				Revision				
Date	27/03/2024							
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