

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12674856		
			Catalog # :	00312OT3E213TC-S		
Frame	: 213/5TC	Locked rotor time	: 70s (cold) 39s (hot)			
Output	: 3 HP (2.2 kW)	Temperature rise	: 80 K			
Poles	: 6	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	: 8.32/4.16 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 49.1/24.5 A	Mounting	: F-1			
LRC	: 5.9x(Code H)	Rotation ¹	: Both (CW and CCW)			
No load current	: 4.58/2.29 A	Noise level ²	: 55.0 dB(A)			
Rated speed	: 1175 rpm	Starting method	: Direct On Line			
Slip	: 2.08 %	Approx. weight ³	: 98.3 lb			
Rated torque	: 13.4 ft.lb					
Locked rotor torque	: 210 %					
Breakdown torque	: 260 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.8104 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	85.4	86.9	86.5	85.8		
	85.0	84.9	86.3	85.8		
Power Factor	0.33	0.38	0.56	0.63		
	0.32	0.56	0.69	0.76		
Foundation loads						
Bearing type	Drive end		Non drive end			
	6208 ZZ		6206 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.			These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.			
(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			1 / 1		