

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: General NEMA Premium Efficiency Three-Phase		Product code :	10579598		
			Catalog # :	00718OT3E213TF3		
Frame	: 213/5T	Locked rotor time	: 21s (cold) 12s (hot)			
Output	: 7.5 HP (5.5 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	: 18.1/9.03 A	Protection degree	: IP21			
L. R. Amperes	: 135/67.7 A	Cooling method	: IC01 - ODP			
LRC	: 7.5x(Code J)	Mounting	: F-3			
No load current	: 7.60/3.80 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1765 rpm	Noise level ²	: 58.0 dB(A)			
Slip	: 1.94 %	Starting method	: Direct On Line			
Rated torque	: 22.3 ft.lb	Approx. weight ³	: 103 lb			
Locked rotor torque	: 200 %					
Breakdown torque	: 270 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.9198 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	88.1	83.1	89.0	84.7		
	81.9	80.8	83.7	82.8		
	87.1	86.0	86.5	86.5		
	85.4	86.5	87.5	88.5		
Power Factor	0.43	0.37	0.68	0.57		
	0.33	0.31	0.53	0.50		
	0.46	0.42	0.68	0.64		
	0.38	0.60	0.73	0.81		
Foundation loads						
	Max. traction		: 435 lb			
	Max. compression		: 538 lb			
Drive end						
Bearing type	: 6208 ZZ	Non drive end	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.						
(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						
Checked by						
Date	25/03/2024					
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