

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12677331		
			Catalog # :	00312ET3ER213TC-S		
Frame	: 213/5TC	Locked rotor time	: 82s (cold) 46s (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	: 8.34/4.17 A	Protection degree	: IP55			
L. R. Amperes	: 53.4/26.7 A	Cooling method	: IC411 - TEFC			
LRC	: 6.4x(Code H)	Mounting	: W-6			
No load current	: 4.71/2.36 A	Rotation ¹	: Both (CW and CCW)			
Rated speed	: 1175 rpm	Noise level ²	: 55.0 dB(A)			
Slip	: 2.08 %	Starting method	: Direct On Line			
Rated torque	: 13.4 ft.lb	Approx. weight ³	: 139 lb			
Locked rotor torque	: 229 %					
Breakdown torque	: 290 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 1.08 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	84.3	87.4	85.5	86.9		
	86.1	86.2	87.8	87.6		
Power Factor	0.32	0.37	0.55	0.62		
	0.32	0.55	0.68	0.75		
Foundation loads						
	Max. traction		: 177 lb			
	Max. compression		: 315 lb			
Drive end						
Bearing type	: 6208 ZZ	6206 ZZ				
Sealing	: V'Ring	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			1 / 1		