

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	14459466		
			Catalog # :	01036OT3ER213TC-S		
Frame	: 213/5TC	Locked rotor time	: 19s (cold) 11s (hot)			
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K			
Poles	: 2	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	: 24.0/12.0 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 163/81.6 A	Mounting	: W-6			
LRC	: 6.8x(Code H)	Rotation ¹	: Both (CW and CCW)			
No load current	: 9.32/4.66 A	Noise level ²	: 66.0 dB(A)			
Rated speed	: 3535 rpm	Starting method	: Direct On Line			
Slip	: 1.81 %	Approx. weight ³	: 122 lb			
Rated torque	: 14.9 ft.lb					
Locked rotor torque	: 200 %					
Breakdown torque	: 280 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.4651 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	88.3	91.2	88.5	89.4		
	89.9	89.0	89.1	87.9		
Power Factor	0.47	0.53	0.74	0.80		
	0.45	0.73	0.84	0.89		
Foundation loads						
	Max. traction		: 191 lb			
	Max. compression		: 314 lb			
Drive end						
Bearing type	: 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.						
(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	26/03/2024					
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