

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	14459481		
			Catalog # :	00718OT3ER213TC-S		
Frame	: 213/5TC	Locked rotor time	: 23s (cold) 13s (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	: 18.5/9.25 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 133/66.6 A	Mounting	: W-6			
LRC	: 7.2x(Code H)	Rotation ¹	: Both (CW and CCW)			
No load current	: 8.79/4.39 A	Noise level ²	: 59.0 dB(A)			
Rated speed	: 1770 rpm	Starting method	: Direct On Line			
Slip	: 1.67 %	Approx. weight ³	: 122 lb			
Rated torque	: 22.3 ft.lb					
Locked rotor torque	: 240 %					
Breakdown torque	: 320 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 1.03 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	88.6	90.4	89.5	88.9		
	88.8	88.2	88.7	87.8		
Power Factor	0.39	0.46	0.65	0.73		
	0.39	0.65	0.78	0.84		
Foundation loads						
	Max. traction		: 364 lb			
	Max. compression		: 485 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	27/03/2024					
		Page	Revision			
		1 / 1				