

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12651151		
			Catalog # :	00512OT3E215TC-S		
Frame	: 213/5TC	Locked rotor time	: 52s (cold) 29s (hot)			
Output	: 5 HP (3.7 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	: 13.5/6.74 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 79.5/39.8 A	Mounting	: F-1			
LRC	: 5.9x(Code H)	Rotation ¹	: Both (CW and CCW)			
No load current	: 7.10/3.55 A	Noise level ²	: 55.0 dB(A)			
Rated speed	: 1175 rpm	Starting method	: Direct On Line			
Slip	: 2.08 %	Approx. weight ³	: 135 lb			
Rated torque	: 22.3 ft.lb					
Locked rotor torque	: 220 %					
Breakdown torque	: 250 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 1.08 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	88.3	89.2	88.5	87.5		
	87.0	86.5	87.3	86.4		
Power Factor	0.34	0.40	0.58	0.66		
	0.34	0.58	0.71	0.77		
Foundation loads						
	Max. traction		: 283 lb			
	Max. compression		: 419 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					
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