

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :						
Product line	: Rolled Steel NEMA Premium Efficiency Three-Phase		Product code :	12750585		
			Catalog # :	00212OT3E184TC-S		
Frame	: 182/4TC	Locked rotor time	: 59s (cold) 33s (hot)			
Output	: 2 HP (1.5 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	: 5.90/2.95 A	Cooling method	: IC01 - ODP			
L. R. Amperes	: 38.9/19.5 A	Mounting	: F-1			
LRC	: 6.6x(Code J)	Rotation ¹	: Both (CW and CCW)			
No load current	: 3.42/1.71 A	Noise level ²	: 52.0 dB(A)			
Rated speed	: 1165 rpm	Starting method	: Direct On Line			
Slip	: 2.92 %	Approx. weight ³	: 75.6 lb			
Rated torque	: 9.02 ft.lb					
Locked rotor torque	: 200 %					
Breakdown torque	: 300 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 0.2800 sq.ft.lb					
Design	: B					
Output	25%	50%	75%	100%		
Efficiency (%)	84.4	86.1	85.5	84.8		
	83.1	83.0	84.6	84.0		
Power Factor	0.30	0.36	0.53	0.61		
	0.30	0.53	0.66	0.74		
Foundation loads						
	Max. traction		: 152 lb			
	Max. compression		: 227 lb			
Drive end						
Bearing type	: 6206 ZZ	6205 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.						
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.						
Rev.	Changes Summary			Performed		
				Checked		
Performed by						
Checked by						
Date	27/03/2024					
		Page	Revision			
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