

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :																						
Product line	: W22 Single-Phase		Product code :	14113169																		
			Catalog # :	00318ES1C184T-W22																		
Frame	: 182/4T		Locked rotor time	: 14s (cold) 8s (hot)																		
Output	: 3 HP (2.2 kW)		Temperature rise	: 80 K																		
Poles	: 4		Duty cycle	: Cont.(S1)																		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C																		
Rated voltage	: 208-230 V		Altitude	: 1000 m.a.s.l.																		
Rated current	: 14.5-13.8 A		Protection degree	: IP55																		
L. R. Amperes	: 112-106 A		Cooling method	: IC411 - TEFC																		
LRC	: 7.7x(Code K)		Mounting	: F-1																		
No load current	: 5.78-6.70 A		Rotation ¹	: Both (CW and CCW)																		
Rated speed	: 1745 rpm		Noise level ²	: 60.0 dB(A)																		
Slip	: 3.06 %		Starting method	: Direct On Line																		
Rated torque	: 9.03 ft.lb		Approx. weight ³	: 106 lb																		
Locked rotor torque	: 290 %																					
Breakdown torque	: 270 %																					
Insulation class	: F																					
Service factor	: 1.15																					
Moment of inertia (J)	: 0.3735 sq.ft.lb																					
Output	25%	50%	75%	100%																		
Efficiency (%)	62.3	65.0	74.0	77.0																		
Power Factor	0.50	0.79	0.87	0.90																		
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Notes:																						
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>																						
<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>																						

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	28/03/2024		Page 1 / 1	Revision