

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :																						
Product line : Rolled Steel Single-Phase		Product code : 15107865																				
		Catalog # : 00336OS1B184T-S																				
Frame	: 182/4T		Locked rotor time	: 28s (cold) 16s (hot)																		
Output	: 3 HP (2.2 kW)		Temperature rise	: 80 K																		
Poles	: 2		Duty cycle	: Cont.(S1)																		
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C																		
Rated voltage	: 115/208-230 V		Altitude	: 1000 m.a.s.l.																		
Rated current	: 24.7/14.3-12.4 A		Cooling method	: IC01 - ODP																		
L. R. Amperes	: 156/90.1-78.1 A		Mounting	: F-1																		
LRC	: 6.3x(Code G)		Rotation ¹	: Both (CW and CCW)																		
No load current	: 5.20/2.25-2.60 A		Starting method	: Direct On Line																		
Rated speed	: 3470 rpm		Approx. weight ³	: 27.0 kg																		
Slip	: 3.61 %																					
Rated torque	: 0.627 kgfm																					
Locked rotor torque	: 220 %																					
Breakdown torque	: 195 %																					
Insulation class	: F																					
Service factor	: 1.15																					
Moment of inertia (J)	: 0.0055 kgm ²																					
Design	: L																					
Output	25%	50%	75%	100%																		
Efficiency (%)	0.000	80.5	82.6	81.5																		
Power Factor	0.00	0.92	0.95	0.95																		
Foundation loads																						
Max. traction : 12 kgf																						
Max. compression : 39 kgf																						
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<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	31/07/2023			Page	Revision																	
				1 / 1																		