

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :																							
Product line	: Close Coupled Pump Single-Phase		Product code :	11381931																			
Frame	: 143JM		Locked rotor time	: 14s (cold) 8s (hot)																			
Output	: 1.5 HP (1.1 kW)		Temperature rise	: 80 K																			
Poles	: 2		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	: 7.80/3.90 A		Protection degree	: IP55																			
L. R. Amperes	: 58.5/29.3 A		Cooling method	: IC411 - TEFC																			
LRC	: 7.5x(Code K)		Mounting	: F-1																			
No load current	: 4.40/2.20 A		Rotation ¹	: Both (CW and CCW)																			
Rated speed	: 3530 rpm		Starting method	: Direct On Line																			
Slip	: 1.94 %		Approx. weight ³	: 53.7 lb																			
Rated torque	: 2.23 ft.lb																						
Locked rotor torque	: 220 %																						
Breakdown torque	: 270 %																						
Insulation class	: F																						
Service factor	: 1.15																						
Moment of inertia (J)	: 0.0470 sq.ft.lb																						
Output	25%	50%	75%	100%																			
Efficiency (%)	63.7	65.0	72.0	73.0																			
Power Factor	0.40	0.66	0.76	0.81																			
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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>																							
Rev.	Changes Summary			Performed																			
				Checked																			
Performed by				Page																			
Checked by				Revision																			
Date	26/03/2024			1 / 1																			