

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :																																		
Product line	: W22 Single-Phase		Product code :	14116368																														
			Catalog # :	01018ES1EID215TC-W22																														
Frame	: 213/5TC		Locked rotor time	: 10s (cold) 6s (hot)																														
Output	: 10 HP (7.5 kW)		Temperature rise	: 80 K																														
Poles	: 4		Duty cycle	: Cont.(S1)																														
Frequency	: 60 Hz		Ambient temperature	: -20°C to +40°C																														
Rated voltage	: 208-230/460 V		Altitude	: 1000 m.a.s.l.																														
Rated current	: 44.5-40.8/20.4 A		Protection degree	: IP55																														
L. R. Amperes	: 298-273/137 A		Cooling method	: IC411 - TEFC																														
LRC	: 6.7x(Code G)		Mounting	: F-1																														
No load current	: 9.66-11.2/5.60 A		Rotation ¹	: Both (CW and CCW)																														
Rated speed	: 1740 rpm		Noise level ²	: 63.0 dB(A)																														
Slip	: 3.33 %		Starting method	: Direct On Line																														
Rated torque	: 30.2 ft.lb		Approx. weight ³	: 197 lb																														
Locked rotor torque	: 260 %																																	
Breakdown torque	: 240 %																																	
Insulation class	: F																																	
Service factor	: 1.15																																	
Moment of inertia (J)	: 1.15 sq.ft.lb																																	
Output	25%	50%	75%	100%																														
Efficiency (%)	76.2	77.9	82.5	84.0																														
Power Factor	0.66	0.92	0.94	0.95																														
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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	28/03/2024			
			Page	Revision
			1 / 1	