

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																													
Product line	: W22 NEMA Premium Efficiency Three-Phase			Product code :	12447066																								
				Catalog # :	02512ET3H324T-W22																								
Frame	: 324/6T	Locked rotor time	: 46s (cold) 26s (hot)																										
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K																										
Poles	: 6	Duty cycle	: Cont.(S1)																										
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C																										
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.																										
Rated current	: 24.7 A	Protection degree	: IP55																										
L. R. Amperes	: 153 A	Cooling method	: IC411 - TEFC																										
LRC	: 6.2x(Code G)	Mounting	: F-1																										
No load current	: 11.2 A	Rotation ¹	: Both (CW and CCW)																										
Rated speed	: 1180 rpm	Noise level ²	: 62.0 dB(A)																										
Slip	: 1.67 %	Starting method	: Direct On Line																										
Rated torque	: 111 ft.lb	Approx. weight ³	: 521 lb																										
Locked rotor torque	: 210 %																												
Breakdown torque	: 260 %																												
Insulation class	: F																												
Service factor	: 1.25																												
Moment of inertia (J)	: 11.5 sq.ft.lb																												
Design	: B																												
Output	50%	75%	100%	Foundation loads																									
Efficiency (%)	92.4	93.0	93.0	Max. traction	: 849 lb																								
Power Factor	0.65	0.76	0.81	Max. compression	: 1371 lb																								
Losses at normative operating points (speed;torque), in percentage of rated output power																													
P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)																							
7.3	6.1	5.9	3.7	2.5	1.7	1.2																							
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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					Page	Revision																							
Checked by																													
Date	28/03/2024				1 / 1																								