

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :																																																																							
Product line	: W22 Cooling Tower High Efficiency Three-Phase		Product code :	12969760																																																																			
			Catalog # :	04026EP3QCT365VF1-W2																																																																			
<table> <tr> <td>Frame</td><td>: 364/5T</td> <td>Locked rotor time</td><td>: 162s (cold) 90s (hot)</td> </tr> <tr> <td>Output</td><td>: 10 HP (7.5 kW)</td><td>Temperature rise</td><td>: 80 K</td> </tr> <tr> <td>Poles</td><td>: 12</td><td>Duty cycle</td><td>: Cont.(S1)</td> </tr> <tr> <td>Frequency</td><td>: 60 Hz</td><td>Ambient temperature</td><td>: -20°C to +40°C</td> </tr> <tr> <td>Rated voltage</td><td>: 460 V</td><td>Altitude</td><td>: 1000 m.a.s.l.</td> </tr> <tr> <td>Rated current</td><td>: 17.7 A</td><td>Protection degree</td><td>: IP55</td> </tr> <tr> <td>L. R. Amperes</td><td>: 65.5 A</td><td>Cooling method</td><td>: IC411 - TEFC</td> </tr> <tr> <td>LRC</td><td>: 3.7x(Code F)</td><td>Mounting</td><td>: F-1</td> </tr> <tr> <td>No load current</td><td>: 12.7 A</td><td>Rotation¹</td><td>: Both (CW and CCW)</td> </tr> <tr> <td>Rated speed</td><td>: 590 rpm</td><td>Noise level²</td><td>: 60.0 dB(A)</td> </tr> <tr> <td>Slip</td><td>: 1.67 %</td><td>Starting method</td><td>: Direct On Line</td> </tr> <tr> <td>Rated torque</td><td>: 89.0 ft.lb</td><td>Approx. weight³</td><td>: 857 lb</td> </tr> <tr> <td>Locked rotor torque</td><td>: 130 %</td><td></td><td></td> </tr> <tr> <td>Breakdown torque</td><td>: 180 %</td><td></td><td></td> </tr> <tr> <td>Insulation class</td><td>: F</td><td></td><td></td> </tr> <tr> <td>Service factor</td><td>: 1.25</td><td></td><td></td> </tr> <tr> <td>Moment of inertia (J)</td><td>: 29.0 sq.ft.lb</td><td></td><td></td> </tr> </table>				Frame	: 364/5T	Locked rotor time	: 162s (cold) 90s (hot)	Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K	Poles	: 12	Duty cycle	: Cont.(S1)	Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C	Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.	Rated current	: 17.7 A	Protection degree	: IP55	L. R. Amperes	: 65.5 A	Cooling method	: IC411 - TEFC	LRC	: 3.7x(Code F)	Mounting	: F-1	No load current	: 12.7 A	Rotation ¹	: Both (CW and CCW)	Rated speed	: 590 rpm	Noise level ²	: 60.0 dB(A)	Slip	: 1.67 %	Starting method	: Direct On Line	Rated torque	: 89.0 ft.lb	Approx. weight ³	: 857 lb	Locked rotor torque	: 130 %			Breakdown torque	: 180 %			Insulation class	: F			Service factor	: 1.25			Moment of inertia (J)	: 29.0 sq.ft.lb		
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Output	25%	50%	75%	100%																																																																			
Efficiency (%)	87.3	90.0	87.5	90.2	88.5	91.7	88.5	91.7																																																															
Power Factor	0.21	0.40	0.40	0.67	0.52	0.78	0.60	0.84																																																															
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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>																																																																							
These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.																																																																							
Rev.	Changes Summary			Performed																																																																			
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Customer :

Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary		Performed	Checked	Date
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Checked by				Page	Revision
Date	28/03/2024			2 / 2	