

| Incoming Quality Control for Electric Fan Components of SF Fan | | | | | |
|--|-------------------|-----------------------|--|------------------------------|-------------------------|
| No. | Name | Item | Technical Requirements | Test Method | Sampling Classification |
| 1 | Plug & Power Cord | Appearance | Clear writing, certification mark, power cord model 227 IEC 2/3×0.5(0.75)mm ² or 227IECS3(RVV) 2/3×0.75mm ² plug, specifications 10A 250V - and 6A 250V, correct manufacturer name. | Visual Inspection | MIN |
| | | Electrical Strength | 1. Place the power cord in water, twist the cores together, and expose about 25mm above the water surface. 5mA 2500V 1min no breakdown or flashover; 2. 5mA 2500V 4s no breakdown or flashover between the plug poles. | Insulation Tester | CR |
| | | Structural Inspection | Zero phase line plug height e1=16±0.35mm, thickness t=1.50-0.1mm, width b=6.40-0.22mm, distance from plug edge ≥6.5mm, power cord 2/3 core, cross-section 24/0.20 or 28/0.15. | Micrometer, Caliper | MAJ |
| 2 | Closed Terminal | Appearance | Intact appearance, no chipping, complete and clear markings. | Visual Inspection | MIN |
| | | Flame Retardant | Ignite with a lighter, should extinguish automatically 30s after the flame source is removed. | Manual/Visual Inspection | CR |
| | | Performance Check | Cannot be arbitrarily removed after tightening. | Visual Inspection | MAJ |
| 3 | Motor | Appearance | Intact shape, no obvious defects, bright electroplated surface, uniform color, no rust, firmly assembled. | Visual Inspection | MIN |
| | | Low Voltage Start | Can start smoothly at 110V voltage under no load, three consecutive times. | Test Bench | MAJ |
| | | Noise | No abnormal noise during operation. | Manual/Visual Inspection | MIN |
| | | Input Power | Motor's input power meets order requirements. | Voltage Current Power Tester | MAJ |
| | | Electrical Strength | 1800V 3s 5mA No breakdown, no flashover. | Insulation Tester | CR |
| | | Swing Head Test | Swing head flexible, left and right uniform. | Visual Inspection | MIN |
| 4 | Capacitor | Appearance | Smooth surface, no burrs, no obvious shrinkage deformation, complete markings, CBB61 nominal value ±5%, correct and clear (with certification) | Visual Inspection | MIN |
| | | Insulation Test | Insulation test between capacitor poles and shell. 1500V 5s 5mA no breakdown, no flashover. | Insulation Tester | CR |
| 5 | Timer | Appearance | Intact shape, no cracking, complete and clear markings. | Visual Inspection | MIN |
| | | Operation | Flexible rotation after installation, resets to any position within the corresponding time. | Visual Inspection | MAJ |
| 6 | Fan Blade | Appearance/Size | Intact appearance, smooth surface, no obvious scratches, no deformation, uniform color. Size meets template requirements. | Visual Inspection | MIN |
| | | Balance Check | No obvious vibration. | Manual, Visual Inspection | MAJ |
| 7 | Grid | Appearance | Smooth surface, no obvious burrs, desoldering, uniform color, uniform arrangement between lines. | Visual Inspection | MIN |
| | | Size Check | Meets template requirements. | Caliper | MAJ |
| 8 | Switch | Appearance | Intact shape, no cracking, complete and clear markings (clearly shows model, trademark). | Visual Inspection | MIN |
| | | Operation | Light operation, reliable action, good contact points. | Manual, Visual Inspection | MAJ |
| | | Size | Actual assembly is good. | Manual, Visual Inspection | MAJ |
| | | Electrical Strength | 1800V, 5s, 10mA no breakdown, no flashover. | Insulation Tester | CR |
| 9 | Plastic Parts | Appearance | Smooth surface, no obvious burrs, cracks; material, supplier consistent with certified product list. | Visual Inspection | N/A |
| | | Size Check | Actual assembly. | Manual, Visual Inspection | MAJ |
| 10 | Synchronous Motor | Appearance | Intact shape, no obvious defects, bright electroplated surface, uniform color, no rust, firmly assembled. | Visual Inspection | MIN |
| | | Low Voltage Start | Can start smoothly at 110V voltage under no load, three consecutive times. | Test Bench | MAJ |
| | | Noise | No abnormal noise during operation. | Ear Listening | MIN |
| | | Input Power | Input power is 4W. | Test Bench | MAJ |
| | | Electrical Strength | 1800V 1s 5mA No breakdown, no flashover. | Insulation Tester | CR |
| | | Installation Size | Actual assembly. | Manual, Visual Inspection | MAJ |
| 11 | Internal Wiring | Appearance | Smooth surface, no scratches, damage; clear and correct wire surface markings. | Visual Inspection | MIN |
| | | Size | Wire core cross-section size and length meet order requirements. | Manual | MAJ |
| | | Insulation Test | 2500V 3S 5mA no breakdown or flashover between poles and sheath. | Insulation Tester | CR |
| 12 | Carton | Appearance | Clean appearance, no obvious burrs, cracks. | Visual Inspection | MAJ |
| | | Size | Consistent with drawing dimensions. | Manual | CR |