

04 AIR SCOUR BLOWER BLOWER MOTOR DATA SHEET

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|---|---|------------------------|-------------------|-------------|----------------|
| 1. Name of motor | - | Air scour blower motor | | | |
| 2. Manufacturer | - | SIEMENS CHINA | | | |
| 3. Country of origin | - | CHINA | | | |
| 4. Type/machine code | - | 1LE0001-2BB2 3-3AA4 | | | |
| 5. Applied standard (characteristics) | - | IEC | | | |
| 6. Ratings | | | | | |
| (1) Rated output | kW | 45 | | | |
| (2) Service factor | - | 1 | | | |
| (3) Number of pole | - | 4 | | | |
| (4) Rated speed | min ⁻¹ | 1475 | | | |
| (5) Rated voltage | V | 380 | | | |
| (6) Number of phases | | 3 | | | |
| (7) Rated frequency | Hz | 50 | | | |
| (8) Insulation class | - | F | | | |
| (9) Temperature rise | - | B | | | |
| (10) Rated duty | | S1 | | | |
| 7. Service Conditions | | | | | |
| (1) Starting method | - | Directly | | | |
| (2) Direction of rotation (viewed from DE) | - | Clockwise | | | |
| (3) Reverse rotation (Yes / No) | - | No | | | |
| (4) Location (Indoor / Outdoor) | | Indoor | | | |
| (5) Enclosure IP rating | - | IP55 | | | |
| (a) Motor frame | - | IP55 | | | |
| (b) Terminal boxes | - | IP55 | | | |
| (6) Installation (Horizontal / Vertical) | | Horizontal | | | |
| (7) Design ambient temperature | °C | -20~+ 40 | | | |
| (8) Explosion proof (Required / Not required) | | Not required | | | |
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|---|--------|---------|
| (9) Noise level (at full-load condition) | dB (A) | 77dB(A) |
| 8. Characteristics | | |
| (1) Current | | |
| (a) Normal current | A | 84 |
| (b) No-load current | A | 48.5 |
| (c) Starting current | A | 730 |
| (2) Torque | | |
| (a) Starting torque | % | 270NM |
| (b) Maximum torque | % | 320NM |
| (3) Slip at rated output | | |
| (4) Efficiencies | | |
| (a) At 100% load | % | 93.1 |
| (b) At 75% load | % | 89.2 |
| (c) At 50% load | % | |
| (d) At 25% load | % | |
| (5) Power factor | | |
| (a) At rated load | % | 87 |
| (b) At starting load | % | |
| (6) GD2 coupled with driven equipment | | |
| (7) Starting time with driven equipment | | |
| (8) Allowable number of starts | | |
| (a) From cold condition per hour | - | |
| (b) From hot condition per hour | - | |
| (c) Minimum time between 2 starts (running state) | min | |
| (d) Minimum time between 2 starts (stop state) | min | |
| (9) Allowable locked-rotor time | | |
| (a) At cold condition | s | |
| (b) At hot condition | s | |

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| 9. Constructions | | |
| (1) Stator winding connection (Wye / Delta) | - | Delta |
| (2) Type of bearing (DE / NDE) | - | 6213 Z C3 |
| (3) Lubricants | | |
| (a) Recommended lubricant and brand name | - | |
| (b) Pouring method | - | |
| (c) Quantity of lubricant for initial filling | - | |
| (d) Recommended interval for recharging | - | |
| (e) Recharging quantity | - | |
| (f) Location of pouring (indicated in the outline drawing) | - | |
| (4) Bearing cooling water requirement (if required) | | NA |
| (a) Quantity | m ³ /h | NA |
| (b) Inlet water temperature | °C | |
| (c) Required cooling water pressure | kPa | |
| (d) Type of cooling water | - | |
| (5) Water to air heat exchanger (if applied) | | |
| (a) Quantity of cooling water | m ³ /h | NA |
| (b) Inlet water temperature | °C | NA |
| (c) Required cooling water pressure | kPa | NA |
| (d) Type of cooling water | - | NA |
| (6) Space heater (AC 220V 1 phase) | W | NA |
| (7) Weight | kg | 96 |
| | | |
| 10. Attached document numbers | | |
| (1) Motor outline drawing | - | |
| (2) Terminal box drawings | - | NA |
| (a) For main power | - | NA |
| (b) For instruments | - | NA |

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|--|---|----|
| (c) For space heater | - | NA |
| (3) Current transformers (for MV motors only) | | NA |
| (a) Characteristics curves | - | NA |
| (b) Outline drawing | - | NA |
| (4) Efficiency curves | - | NA |
| (5) Thermal capability curves | | NA |
| (a) At cold condition | - | NA |
| (b) At hot condition | - | NA |
| (6) Starting and speed torque characteristics at 80%, 90% and 100% voltage | - | NA |
| | | NA |

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