



| Test Report | | | | Date of issue: 23.11.2015 | | | | | |
|---|-------------|--|----------------------------------|---|---------|------------------|--------------------|-------|-------|
| | | | | Type: M3JM 355SMB 6 IMB3/IM1001 | | | | | |
| | | | | Product Code: 3GJM353220-ADG | | | | | |
| | | | | Protection type: Ex d I Mb | | | | | |
| | | | | Cert. No.: LCIE 10 ATEX 3089X / IECEX LCI 04.0008X | | | | | |
| Rating: | | V | Hz | kW | r/min | A | cos φ | Duty | |
| 3~Motor | | 690 | Y 50 | 200 | 993 | 211 | 0,83 | S1 | |
| Insul.cl.F | | 400 | D 50 | 200 | 994 | 364 | 0,83 | S1 | |
| IP66 | | 415 | D 50 | 200 | 994 | 356 | 0,82 | S1 | |
| Eff class IE2 | | 50Hz : IE2 - 95.7%(100%) - 95.9%(75%) - 95.7%(50%) | | | | | | | |
| Resistance | | | Insulation resistance at 62,0 °C | | | Overload | | | |
| Line | | | Ambient: 20,5 °C | | | 5800 MΩ 1000 V | | | |
| U ₁ - V ₁ | | | 0,00994 Ω | | | Torque 160 % 15s | | | |
| U ₁ - W ₁ | | | 0,00995 Ω | | | | | | |
| V ₁ - W ₁ | | | 0,00994 Ω | | | | | | |
| | | | High-voltage test winding | | | 2400 V | | 60 s | |
| Test | Torque [Nm] | Line U[V] | f[Hz] | Input I[A] | P1 [kW] | Output P2 [kW] | η[r/min] | cos φ | η [%] |
| No load test | | 399,9 D | 50 | 117,5 | 3,36 | | 1000 | 0,04 | |
| Locked rotor test | | 80,4 D | 50 | 359,3 | 14,8 | | 0 | 0,30 | |
| Thermal test (100% load) | 1923,0 | 400,1 D | 50 | 364,5 | 209,9 | 200,0 | 992 | 0,83 | 95,3 |
| Partial load points: | | | | | | | | | |
| ~75% load | 1438,0 | 400,0 D | 50 | 281,7 | 157,0 | 150,0 | 994 | 0,80 | 95,6 |
| ~50% load | 960,7 | 400,1 D | 50 | 207,6 | 104,9 | 100,0 | 996 | 0,73 | 95,3 |
| ~25% load | 475,2 | 400,2 D | 50 | 147,6 | 53,8 | 50,0 | 998 | 0,53 | 93,0 |
| Temperature rise at rated load. | | [°C] | | [K] | Method | | Measurement method | | |
| Stator winding : | | | | 64,9 | 1 | | 1 Resistance | | |
| Frame : | | | | 39,4 | 2 | | 2 Thermometer | | |
| Bearing D-end : | | | | 45,3 | 2 | | 3 Thermocouples | | |
| Rotor: | | | | 109,9 | 3 | | | | |
| Ambient Temperature : | | 25,0 | | | 2 | | | | |
| <p>These tests have been carried out on motor no. 3GF11054639, on date 2011-02-01, which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer</p> <p>Tested by ABB Oy, Motors and Generators, Vaasa, Finland</p> <p>Telephone +358 10 2211 Telefax +358 10 22 47372</p> | | | | | | | | | |

Computer print-out valid without signature.