



| Test Report | | | | Date of issue: 4.6.2014 | | | | | |
|--|-------------|---|------------------|--|----------------------------------|--|--------------------|-------|-------|
| | | | | Serial No.: 3GF12103383 | | | | | |
| | | | | Type: M3JP 250SMB 4 IMB3/IM1001 | | | | | |
| | | | | Product Code: 3GJP252220-ADG | | | | | |
| | | | | Protection type: Ex d IIB T4 Gb | | | | | |
| | | | | Cert. No.: LCIE 10 ATEX 3063X / IECEx LCI 04.0012X | | | | | |
| Rating: | | | | | | | | | |
| | V | Hz | kW | r/min | A | cos φ | Duty | | |
| 3~Motor | 690 | Y 50 | 75 | 1476 | 77 | 0,86 | S1 | | |
| Insul.cl.F | 400 | D 50 | 75 | 1476 | 133 | 0,86 | S1 | | |
| IP55 | 415 | D 50 | 75 | 1478 | 130 | 0,85 | S1 | | |
| Eff class IE2 | | 50Hz : IE2 - 94,3(100%) - 94,5(75%) - 94,2(50%) | | | | | | | |
| Resistance | | | Ambient: 21,5 °C | | Insulation resistance at 47,5 °C | | Overload | | |
| Line | | | 1900 MΩ | | 1000 V | | Torque 160 % 15s | | |
| U ₁ - V ₁ | | | 0,04828 Ω | | | | | | |
| U ₁ - W ₁ | | | 0,04826 Ω | | | | | | |
| V ₁ - W ₁ | | | 0,04829 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] | n[r/min] | cos φ | η [%] |
| No load test | | 400,1 D | 50 | 43,6 | 1,49 | | 1500 | 0,05 | |
| Locked rotor test | | 75,7 D | 50 | 133,0 | 6,30 | | 0 | 0,36 | |
| Thermal test (100% load) | 485,3 | 400,1 D | 50 | 134,9 | 80,1 | 75,0 | 1480 | 0,86 | 93,7 |
| Partial load points: | | | | | | | | | |
| ~75% load | 363,4 | 400,1 D | 50 | 104,4 | 59,8 | 56,3 | 1485 | 0,83 | 94,1 |
| ~50% load | 242,5 | 400,1 D | 50 | 77,1 | 40,0 | 37,5 | 1490 | 0,75 | 93,8 |
| ~25% load | 121,6 | 400,1 D | 50 | 54,7 | 20,6 | 18,8 | 1495 | 0,54 | 90,9 |
| Temperature rise at rated load. | | [°C] | | [K] | Method | | Measurement method | | |
| Stator winding : | | | | 61,4 | 1 | | 1 Resistance | | |
| Frame : | | | | 27,3 | 2 | | 2 Thermometer | | |
| Bearing D-end : | | | | 49,0 | 2 | | 3 Thermocouples | | |
| Ambient Temperature : | | 25,0 | | | 2 | | | | |
| Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss. | | | | | | | | | |
| On behalf of customer | | | | | | | | | |
| On behalf of manufacturer | | Date of test | | 26.2.2012 | | | | | |
| Tested by ABB Oy, Motors and Generators, Vaasa, Finland | | | | | | Telephone +358 10 2211 Telefax +358 10 22 47372 | | | |

Computer print-out valid without signature.

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