



| Test Report | | | | Date of issue: 5.6.2014 | | | | | | | |
|--|-------------|-----------|-------|--|---------|----------------|----------|----------------------------------|--------------------|--------------------|--|
| | | | | Serial No.: 75033778004001B | | | | | | | |
| | | | | Type: M3KP 355SMC 8 IMB3/IM1001 | | | | | | | |
| | | | | Product Code: 3GKP354230-ADG | | | | | | | |
| | | | | Protection type: Ex de IIB T4 Gb | | | | | | | |
| | | | | Cert. No.: LCIE 10 ATEX 3089X / IECEx LCI 04.0008X | | | | | | | |
| Rating: | | | | V | Hz | kW | r/min | A | cos φ | Duty | |
| 3~Motor | | | | 400 | D | 50 | 185,0 | 744 | 354 | 0,79 S1 | |
| Insul.cl.F | | | | 690 | Y | 50 | 185,0 | 744 | 205 | 0,79 S1 | |
| IP55 | | | | 415 | D | 50 | 185,0 | 744 | 341 | 0,79 S1 | |
| | | | | 400 V 50Hz: 95,4(100%) - 95,6(75%) - 95,3(50%) | | | | | | | |
| Resistance Line | | | | Ambient: 14,0 °C | | | | Insulation resistance at 14 °C | | Overload | |
| U ₁ - V ₁ | | | | 0,01172 Ω | | | | R > 2000 Mohm 1000 V | | Voltage 130 % 180s | |
| U ₁ - W ₁ | | | | 0,01171 Ω | | | | | | Torque 160 % 15s | |
| V ₁ - W ₁ | | | | 0,01172 Ω | | | | | | Speed 120 % 120s | |
| | | | | | | | | 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 | | 401,1 D | 50 | 159,1 | 3,17 | | 750 | 0,03 | | | |
| Locked rotor test | | 85,2 D | 50 | 360,7 | 12,69 | | 0 | 0,24 | | | |
| Thermal test (100% load) | 2378,6 | 400 D | 50 | 359,7 | 193,93 | 185,00 | 743 | 0,78 | 95,40 | | |
| Partial load points: | | | | | | | | | | | |
| ~75% load | 1778,2 | 400 D | 50 | 287,2 | 145,13 | 138,75 | 745 | 0,73 | 95,60 | | |
| ~50% load | 1182,5 | 400 D | 50 | 224,3 | 97,09 | 92,50 | 747 | 0,63 | 95,30 | | |
| ~25% load | 590,6 | 400 D | 50 | 177,3 | 49,87 | 46,25 | 748 | 0,41 | 92,70 | | |
| Temperature rise at rated load. | | | | [°C] | | [K] | Method | | Measurement method | | |
| Stator winding : | | | | | | 61,3 | 1 | | 1 Resistance | | |
| Frame : | | | | | | 24,7 | 2 | | 2 Thermometer | | |
| Bearing D-end : | | | | | | 37,5 | 2 | | 3 Thermocouples | | |
| Ambient Temperature : | | | | 25 | | | 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 | | | | 19.12.2011 | | | |
| Tested by ABB Shanghai Motors , LV Motors, Shanghai,P.R.China | | | | | | | | Telephone | | +86 21 54723133 | |
| | | | | | | | | Telefax | | +86 21 54725009 | |

Computer print-out valid without signature.