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| Test Report | | Cert. No. ATEX Cert.No.LCIE 06 ATEX 6089 IECEx Cert. No. IECEx LCI 07.0001 | |
| Customer: | | Date of Issue | |
| Customer ref.: | | Type: M3GP 225SMC 4 Protection type: Ex nA II T3 Serial no.: Tag no.: Order no.: | |
| Rating: 3~Motor | | Product Code 3GGP222230-_DG | |
| Insul.cl. F | | V | Hz |
| S1 | | kW | r/min |
| IP 55 | | A | cos φ |
| 390 kg | | 690 Y | 50 |
| | | 45 | 1477 |
| | | 45,4 | 0,88 |
| | | 400 D | 50 |
| | | 45 | 1477 |
| | | 78,4 | 0,88 |
| | | 660 Y | 50 |
| | | 45 | 1473 |
| | | 47,8 | 0,88 |
| | | 380 D | 50 |
| | | 45 | 1473 |
| | | 83 | 0,88 |
| | | 415 D | 50 |
| | | 45 | 1479 |
| | | 77,3 | 0,86 |
| | | 440 D | 60 |
| | | 52 | 1773 |
| | | 82,5 | 0,88 |
| Resistance | | Insulation resistance | |
| U ₁ -V ₁ 0,08054 Ω 21,5°C | | 3600 MΩ 1000 V | |
| U ₁ -W ₁ 0,08059 " | | 58 °C | |
| V ₁ -W ₁ 0,08066 " | | High-voltage test | |
| | | 2400 V 60 s | |
| Overload test | | 1,6 x T _N 15 s | |
| Test | | Line U[V] | f[Hz] |
| | | Input I[A] | P ₁ [kW] |
| | | Output P ₂ [kW] | η[r/min] |
| | | cos φ | η [%] |
| No-load test | | 400,3 D | 50 |
| Locked-rotor test | | 81,1 D | 50 |
| | | 23,9 | 0,984 |
| | | 81,1 | 4,03 |
| Temperature-rise test | | 400,0 D | 50 |
| | | 80,0 | 47,96 |
| | | 45,0 | 1479 |
| | | 0,87 | 93,8 |
| Temperature rise at amb.temp. 25 °C | | Temperature rise at amb. temp. 25 °C | |
| [K] Method | | [K] Method | |
| Stator winding 64,8 1 | | Frame 31,7 3 | |
| | | Bearing D-end 40,5 3 | |
| | | Measurement method | |
| | | 1 Resistance | |
| | | 2 Embedded temp.detector | |
| | | 3 Thermometer | |
| These tests have been carried out on motor no. 3GF10022879B, 2010-03-04 which is identical in design with the above. | | | |
| 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 | | | |
| Tested by ABB Oy Motors/Vaasa | | | |