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| Test Report | | Cert. No. ATEX Cert.No.LCIE 09 ATEX 1010 IECEX Cert. No. IECEX LCI 09.0012 | | | | | | | |
| Customer: | | Date of Issue | | | | | | | |
| Customer ref.: | | Type: M3GP 160MLB 2 Protection type: Ex nA II T3 Serial no.: Tag no.: Order no.: | | | | | | | |
| Rating: 3-Motor | | Product Code 3GGP 161 420 - _DH | | | | | | | |
| | | V | Hz | kW | r/min | A | cos φ | | |
| Insul.cl. F | | 690 Y | 50 | 15 | 2329 | 15.2 | 0.89 | | |
| S1 | | 400 D | 50 | 15 | 2929 | 26.6 | 0.89 | | |
| IP 55 | | 660 Y | 50 | 15 | 2920 | 16.1 | 0.90 | | |
| 216 kg | | 380 D | 50 | 15 | 2920 | 27.9 | 0.90 | | |
| | | 415 D | 50 | 15 | 2935 | 26.5 | 0.86 | | |
| | | 440 D | 60 | 17 | 3519 | 26.9 | 0.91 | | |
| Resistance | | Insulation resistance | | Overload test | | | | | |
| U ₁ -V ₁ 0,3332 Ω | | 20000 MΩ 1000 V | | 1,6 x T _N 15 s | | | | | |
| U ₁ -W ₁ 0,3334 " | | 46,5 °C | | | | | | | |
| V ₁ -W ₁ 0,3336 " | | High-voltage test | | | | | | | |
| | | 2400 V 60 s | | | | | | | |
| Test | | Line U[V] | f[Hz] | Input I[A] | P ₁ [kW] | Output P ₂ [kW] | n[r/min] | cos φ | η [%] |
| No-load test | | 400,0 D | 50 | 8,62 | 0,495 | | | 0,0829 | |
| Locked-rotor test | | 76,1 D | 50 | 28,1 | 1,62 | | | 0,4379 | |
| Temperature-rise test | | 400,1 D | 50 | 27,0 | 16,52 | 15,0 | 2929 | 0,88 | 90,8 |
| Temperature rise at amb.temp. 25 °C | | Temperature rise at amb. temp. 25 °C | | Measurement method | | | | | |
| [K] Method | | [K] Method | | 1 Resistance | | | | | |
| Stator winding 54,2 1 | | Frame 24,2 3 | | 2 Embedded temp. detector | | | | | |
| | | Bearing D-end 29,0 3 | | 3 Thermometer | | | | | |
| | | Rotor 66,2 3 | | | | | | | |
| <p>These tests have been carried out on motor no. 0820-010248929C, 2010-06-05 which is identical in 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> | | | | | | | | | |
| On behalf of customer | | | | | | | | | |
| On behalf of manufacturer | | | | | | | | | |
| Tested by ABB Oy Motors/Vaasa | | | | | | | | | |