



| Type Test Report | | | | Cert. No. | | | | | | | |
|--|-------------|-----------|-----------------------|-----------------------------|-------------------|--------------------|----------|--------------|-----------------|-------|--|
| Customer: | | | | M-file ref.: | | | | | | | |
| | | | | Date of Issue 03/22/2005 | | | | | | | |
| Customer ref.: | | | | Type: M2QA132S4A | | | | | | | |
| | | | | Serial no.: 0AD127-179/04-1 | | | | | | | |
| Rating: 3~Motor | | | | Product Code 3GQA 132 101 | | | | | | | |
| Insul.cl.F S1 IP55 60 kg | | V | | Hz | kW | r/min | A | cos φ | IA/IN | TE[s] | |
| | | 380-420 | | D | 50 | 5.5 | 1430 | 11.30 | 0.85 | | |
| | | 660-690 | | Y | 50 | 5.5 | 1430 | 6.52 | 0.85 | | |
| 440-480 | | D | 60 | 6.33 | 1700 | 11.23 | 0.86 | | | | |
| Resistance | | | Insulation resistance | | | Overload test | | | | | |
| Line | | Pole | Ambient 15 °C | | R > 200 Mohm | | | | | | |
| | | 4 | 1.653 Ω | | High-voltage test | | | | | | |
| | | | | | 2380 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 | | 400 | D 50 | 4.86 | 0.2864 | | 1500 | | | | |
| Rated load (cold) | | 400 | D 50 | 11.7 | 6.37 | 5.5 | 1438 | | | | |
| Rated load (stab.) | 36.68 | 400 | D 50 | 11.3 | 6.408 | 5.5 | 1432.6 | 0.8185 | 85.83 | | |
| 146% rated load | 53.66 | 400 | D 50 | 17.45 | 9.914 | 8.03 | 1392 | 0.82 | 81 | | |
| Shortcircuit | 95.37 | 400 | D 50 | 74.9 | | | 0 | | | | |
| | | 100 | D 50 | 13.47 | 1.123 | | 0 | | | | |
| Temperature rise at amb.temp. 19 °C | | | Temperature | | | Measurement method | | | | | |
| Stator winding | | Pole | (K) | Method | Pole | °C | Method | 1 Resistance | | | |
| | | 4 | 72.7 | 1 | Ambient | 4 | 19 | 2 | 2 Thermometer | | |
| | | | | | Frame | 4 | 54 | 2 | 3 Thermocouples | | |
| Manufactured and tested in accordance with rules of IEC 60034-1. | | | | | | | | | | | |
| On behalf of customer | | | | | | | | | | | |
| On behalf of manufacturer | | | | Date of test | | | | 02/11/2004 | | | |
| Tested by ABB Shanghai Motors Co., Ltd | | | | | | | | | | | |

Computer print-out valid without signature

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