



<b>Test Report</b>		Cert. No. ATEX Cert.No.LCIE 06 ATEX 6089 IECEx Cert. No. IECEx LCI 07.0001																																											
Customer:		Date of Issue																																											
Customer ref.:		Type: M3GP 250SMA 2 Protection type: Ex nA II T3 Serial no.: Tag no.: Order no.:																																											
Rating: 3~Motor		Product Code 3GGP251210-_DG																																											
		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> </tr> </thead> <tbody> <tr> <td>690 Y</td> <td>50</td> <td>55</td> <td>2975</td> <td>54,8</td> <td>0,89</td> </tr> <tr> <td><b>400 D</b></td> <td><b>50</b></td> <td><b>55</b></td> <td><b>2975</b></td> <td><b>94,5</b></td> <td><b>0,89</b></td> </tr> <tr> <td>660 Y</td> <td>50</td> <td>55</td> <td>2970</td> <td>56,8</td> <td>0,90</td> </tr> <tr> <td>380 D</td> <td>50</td> <td>55</td> <td>2970</td> <td>98,6</td> <td>0,90</td> </tr> <tr> <td>415 D</td> <td>50</td> <td>55</td> <td>2977</td> <td>92,1</td> <td>0,88</td> </tr> <tr> <td>440 D</td> <td>60</td> <td>63</td> <td>3567</td> <td>98,1</td> <td>0,90</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	690 Y	50	55	2975	54,8	0,89	<b>400 D</b>	<b>50</b>	<b>55</b>	<b>2975</b>	<b>94,5</b>	<b>0,89</b>	660 Y	50	55	2970	56,8	0,90	380 D	50	55	2970	98,6	0,90	415 D	50	55	2977	92,1	0,88	440 D	60	63	3567	98,1	0,90
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Insul.cl. F S1 IP 55 425 kg		Resistance $U_1-V_1$ 0,0528 Ω 23,5 °C $U_1-W_1$ 0,0528 " $V_1-W_1$ 0,0529 " Insulation resistance 3700 MΩ 1000 V 62 °C High-voltage test 2400 V 60 s Overload test 1,6 x T <sub>N</sub> 15 s																																											
Test		<table border="1"> <thead> <tr> <th>Line U[V]</th> <th>f[Hz]</th> <th>Input I[A]</th> <th>P<sub>1</sub> [kW]</th> <th>Output P<sub>2</sub> [kW]</th> <th>η[r/min]</th> <th>cos φ</th> <th>η [%]</th> </tr> </thead> <tbody> <tr> <td>400,1 D</td> <td>50</td> <td>22,8</td> <td>1,60</td> <td></td> <td></td> <td>0,1014</td> <td></td> </tr> <tr> <td>74,8 D</td> <td>50</td> <td>96,0</td> <td>3,57</td> <td></td> <td></td> <td>0,2868</td> <td></td> </tr> <tr> <td>400,0 D</td> <td>50</td> <td>95,1</td> <td>58,30</td> <td>55,0</td> <td>2975</td> <td>0,89</td> <td>94,3</td> </tr> </tbody> </table>		Line U[V]	f[Hz]	Input I[A]	P <sub>1</sub> [kW]	Output P <sub>2</sub> [kW]	η[r/min]	cos φ	η [%]	400,1 D	50	22,8	1,60			0,1014		74,8 D	50	96,0	3,57			0,2868		400,0 D	50	95,1	58,30	55,0	2975	0,89	94,3										
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Temperature rise at amb.temp. 25 °C [K] Method Stator winding 59,9 1		Temperature rise at amb. temp. 25 °C [K] Method Frame 35,4 3 Bearing D-end 44,1 3 Rotor 75,8 2																																											
		Measurement method 1 Resistance 2 Embedded temp. detector 3 Thermometer																																											
These tests have been carried out on motor no. 0927-010305167A, 2009-09-11 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.																																													
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Tested by ABB Oy Motors/Vaasa																																													