



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 250SMA 4 Protection type Ex nA II T3																																											
Rating: 3~Motor		Product Code 3GGP 252 210- DG																																											
Insul.cl. F		<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>1479</td> <td>58</td> <td>0,84</td> </tr> <tr> <td>400 D</td> <td>50</td> <td>55</td> <td>1479</td> <td>100</td> <td>0,84</td> </tr> <tr> <td>660 Y</td> <td>50</td> <td>55</td> <td>1475</td> <td>59,3</td> <td>0,86</td> </tr> <tr> <td>380 D</td> <td>50</td> <td>55</td> <td>1475</td> <td>103</td> <td>0,86</td> </tr> <tr> <td>415 D</td> <td>50</td> <td>55</td> <td>1480</td> <td>97,6</td> <td>0,83</td> </tr> <tr> <td>440 D</td> <td>60</td> <td>63</td> <td>1775</td> <td>102</td> <td>0,86</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	690 Y	50	55	1479	58	0,84	400 D	50	55	1479	100	0,84	660 Y	50	55	1475	59,3	0,86	380 D	50	55	1475	103	0,86	415 D	50	55	1480	97,6	0,83	440 D	60	63	1775	102	0,86
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690 Y	50	55	1479	58	0,84																																								
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IP 55		Insulation resistance																																											
415 kg		23000 MΩ 500 V																																											
		22 °C																																											
		High-voltage test																																											
		2400 V 60 s																																											
Resistance		Overload test																																											
U ₁ -V ₁ 0,07022Ω 22 °C		1,6 x T _N 15 s																																											
U ₁ -W ₁ 0,07007"																																													
V ₁ -W ₁ 0,07012"																																													
Test		Line	Input	Output																																									
		U[V]	f[Hz]	I[A]	P ₁ [kW]	P ₂ [kW]	n[r/min]	cos φ	η [%]																																				
No-load test		400,1 D	50	37,3	1,19			0,0461																																					
Locked-rotor test		77,0 D	50	101	4,78			0,3543																																					
Temperature-rise test		400,0 D	50	101	58,31	55,0	1481	0,83	94,3																																				
Temperature rise at amb.temp. 25,0 °C		Temperature rise at amb. temp. 25,0 °C		Measurement method																																									
[K] Method		[K] Method		[K] Method																																									
Stator winding 68,8 1		Frame 36,0 3		Bearing D-end 45,0 3		1 Resistance 2 Embedded temp. detector 3 Thermometer																																							
<p>These tests have been carried out on motor no. 0850-010381656, on date 2009-02-05 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																																													