



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 200MLA 2 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:																																											
Rating: 3~Motor		Product Code 3GGP 201 410 –_DG																																											
Insul.cl. F S1 IP 55 275 kg		<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>30</td> <td>2956</td> <td>30,6</td> <td>0,88</td> </tr> <tr> <td>400 D</td> <td>50</td> <td>30</td> <td>2956</td> <td>52,7</td> <td>0,88</td> </tr> <tr> <td>660 Y</td> <td>50</td> <td>30</td> <td>2947</td> <td>31,7</td> <td>0,89</td> </tr> <tr> <td>380 D</td> <td>50</td> <td>30</td> <td>2947</td> <td>55,1</td> <td>0,89</td> </tr> <tr> <td>415 D</td> <td>50</td> <td>30</td> <td>2958</td> <td>51,4</td> <td>0,87</td> </tr> <tr> <td>440 D</td> <td>60</td> <td>35</td> <td>3544</td> <td>55,6</td> <td>0,89</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	690 Y	50	30	2956	30,6	0,88	400 D	50	30	2956	52,7	0,88	660 Y	50	30	2947	31,7	0,89	380 D	50	30	2947	55,1	0,89	415 D	50	30	2958	51,4	0,87	440 D	60	35	3544	55,6	0,89
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Resistance U ₁ -V ₁ 0,127Ω U ₁ -W ₁ 0,127" V ₁ -W ₁ 0,128" 21 °C		Insulation resistance 2500 MΩ 1000 V 51,5 °C																																											
		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]	n[r/min]	cos φ	η [%]																																					
No-load test	400,1 D	50	14,0	0,817			0,0844																																						
Locked-rotor test	76,3 D	50	53,9	2,49			0,3495																																						
Temperature-rise test	400,1 D	50	53,2	32,23	30,0	2956	0,87	93,1																																					
Temperature rise at amb.temp. 25 °C [K] Method		Temperature rise at amb. temp. 25 °C [K] Method		Measurement method																																									
Stator winding 66,4 1		Frame 23,8 3 Bearing D-end 32,6 3 Rotor 70,1 3		1 Resistance 2 Embedded temp. detector 3 Thermometer																																									
These tests have been carried out on motor no. 0908-010290843A, on date 2009-03-25 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																																													
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Tested by ABB Oy Motors/Vaasa																																													