



Test Report		Cert. No. LCIE 06 ATEX 6089																	
Customer:		Date of Issue																	
Customer ref.:		Type: M3GP 112MB 6 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:																	
Rating: 3~Motor		Product Code 3GGP113320-_DG																	
Insul.cl. F S1 Amb. -20...+40 °C IP 55 60 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> <th>I_A/I_N</th> <th>T_E[s]</th> </tr> </thead> <tbody> <tr> <td>400 D</td> <td>50</td> <td>2,2</td> <td>950</td> <td>5,2</td> <td>0,76</td> <td></td> <td></td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]	400 D	50	2,2	950	5,2	0,76		
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400 D	50	2,2	950	5,2	0,76														
Resistance		Insulation resistance																	
<table border="1"> <tbody> <tr> <td>U₁-V₁</td> <td>4,352 Ω</td> <td rowspan="3">21,5 °C</td> </tr> <tr> <td>U₁-W₁</td> <td>4,349 "</td> </tr> <tr> <td>V₁-W₁</td> <td>4,357 "</td> </tr> </tbody> </table>		U ₁ -V ₁	4,352 Ω	21,5 °C	U ₁ -W ₁	4,349 "	V ₁ -W ₁	4,357 "	<table border="1"> <tbody> <tr> <td>1700 MΩ</td> <td>1000 V</td> </tr> <tr> <td>60,5 °C</td> <td></td> </tr> </tbody> </table>		1700 MΩ	1000 V	60,5 °C						
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1700 MΩ	1000 V																		
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		Overload test 1,6 x T _N 15 s																	
		High-voltage test 1900 V 60 s																	
Test		Line																	
		U[V]																	
		f[Hz]																	
		Input																	
		I[A]																	
		P ₁ [kW]																	
		Output																	
		P ₂ [kW]																	
		η[r/min]																	
		cos φ																	
		η [%]																	
No-load test		400,3 D 50 3,35 0,241																	
Locked-rotor test		96,7 D 50 5,21 0,493																	
Temperature-rise test		400,1 D 50 5,30 2,74 2,20 946 0,75 80,2																	
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C																	
[K] Method		[K] Method																	
Stator winding 62,8 1		Frame 45,5 3																	
		Bearing D-end 40,6 3																	
		Rotor 67,7 2																	
		Measurement method																	
		1 Resistance																	
		2 Embedded temp. detector																	
		3 Thermometer																	
<p>These tests have been carried out on motor no. 3GF10017367B, 2010-03-02 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																			