



Test Report		Cert. No. LCIE 06 ATEX 6089																	
Customer:		Date of Issue																	
Customer ref.:		Type: M3GP 80MA 4 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:																	
Rating: 3~Motor		Product Code 3GGP082310-_SG																	
Insul.cl. F S1 Amb. -20...+40 °C IP 56 29 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>480 Y</td> <td>60</td> <td>0.66</td> <td>1729</td> <td>1.4</td> <td>0.73</td> <td></td> <td></td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]	480 Y	60	0.66	1729	1.4	0.73		
V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]												
480 Y	60	0.66	1729	1.4	0.73														
Resistance		Insulation resistance																	
<table border="1"> <tbody> <tr> <td>U₁-V₁</td> <td>23,36 Ω</td> <td rowspan="3">21,5 °C</td> </tr> <tr> <td>U₁-W₁</td> <td>23,37 "</td> </tr> <tr> <td>V₁-W₁</td> <td>23,45 "</td> </tr> </tbody> </table>		U ₁ -V ₁	23,36 Ω	21,5 °C	U ₁ -W ₁	23,37 "	V ₁ -W ₁	23,45 "	36000 MΩ 1000 V 38 °C										
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U ₁ -W ₁	23,37 "																		
V ₁ -W ₁	23,45 "																		
		High-voltage test 2000 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]																	
		η[r/min]																	
		cos φ																	
		η [%]																	
No-load test		400,2 Y 50 1,05 0,098																	
Locked-rotor test		105,1 Y 50 1,47 0,169																	
Temperature-rise test		400,1 Y 50 1,48 0,73 0,55 1417 0,72 75,0																	
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C																	
[K] Method		[K] Method																	
Stator winding 39,4 1		Frame 22,9 3																	
		Bearing D-end 20,9 3																	
		Measurement method																	
		1 Resistance																	
		2 Embedded temperature detector																	
		3 Thermometer																	
<p>These tests have been carried out on motor no. 3GF10019713E, 2010-03-24 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																			