



Test Report		Cert. No. LCIE 06 ATEX 6089																	
Customer:		Date of Issue																	
Customer ref.:		Type: M3GP 90SLC 4 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:																	
Rating: 3~Motor		Product Code 3GGP092030-_SG																	
Insul.cl. F S1 IP 56 44 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 Y</td> <td>50</td> <td>1,5</td> <td>1431</td> <td>3,31</td> <td>0,81</td> <td></td> <td></td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]	400 Y	50	1,5	1431	3,31	0,81		
V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]												
400 Y	50	1,5	1431	3,31	0,81														
Resistance		Insulation resistance																	
<table border="1"> <tbody> <tr> <td>U₁-V₁</td> <td>7,435 Ω</td> <td>20,5 °C</td> </tr> <tr> <td>U₁-W₁</td> <td>7,434 "</td> <td></td> </tr> <tr> <td>V₁-W₁</td> <td>7,439 "</td> <td></td> </tr> </tbody> </table>		U ₁ -V ₁	7,435 Ω	20,5 °C	U ₁ -W ₁	7,434 "		V ₁ -W ₁	7,439 "		40000 MΩ 1000 V 43,5 °C								
U ₁ -V ₁	7,435 Ω	20,5 °C																	
U ₁ -W ₁	7,434 "																		
V ₁ -W ₁	7,439 "																		
		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		400,0 Y 50 2,13 0,156																	
Locked-rotor test		79,1 Y 50 3,32 0,306																	
Temperature-rise test		400,2 Y 50 3,45 1,86 1,50 1422 0,78 80,9																	
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C																	
[K] Method		[K] Method																	
Stator winding 39,7 1		Frame 22,3 3																	
		Bearing D-end 21,5 3																	
		Measurement method																	
		1 Resistance																	
		2 Embedded temp. detector																	
		3 Thermometer																	
<p>These tests have been carried out on motor no. 3GF10013609B, 2010-01-27 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																			