



Test Report					Cert. No. LCIE 04 ATEX 6151 IECEX LCI 04.0030				
Customer:					Date of Issue				
Customer ref.:					Type: M3GP 90SLA 4 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:				
Rating: 3-Motor		Product Code 3GGP092010-_SH							
		V	Hz	kW	r/min	A	cos φ		
Insul.cl. F		400 Y	50	1.1	1432	2.4	0.81		
S1		230 D	50	1.1	1432	4.3	0.81		
IP 55		380 Y	50	1.1	1427	2.47	0.84		
51 kg		220 D	50	1.1	1427	4.28	0,84		
		415 Y	50	1.1	1440	2.4	0,77		
		440 Y	60	1.3	1722	2.51	0,83		
Resistance			Insulation resistance			Overload test 1,6 x T _N 15s			
U ₁ -V ₁ 10,560 Ω			63000 MΩ 1000 V			Starting Current I _S /I _N = 6,60			
U ₁ -W ₁ 10,562 "			34,0°C						
V ₁ -W ₁ 10,582 "			High-voltage test						
			1800 V 60s						
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		400,0 Y	50	1,557	0,103			0,0955	
Locked-rotor test		76,5 Y	50	2,297	0,191			0,6263	
Temperature-rise test		400,3 Y	50	2,51	1,33	1,10	1432	0,767	82,5
Temperature rise at amb.temp. 25,0°C			Temperature rise at amb. temp. 25,0°C			Measurement method			
[K] Method			[K] Method			1 Resistance			
Stator winding 30,7 1			Frame 19,6 3			2 Embedded temperature detector			
			Bearing D-end 20,5 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF11060994B, on date 2011-05-21, 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									
ABB Oy, Motors and Generators, Vaasa, Finland									