



Test Report						Cert. No. LCIE 06 ATEX 6089			
Customer:						Date of Issue			
Customer ref.:						Type: M3GP 100LA 6 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:			
Rating: 3~Motor		Product Code 3GGP103510-_SG							
Insul.cl. F S1 IP 56 57 kg		V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]
		400 Y	50	1,5	951	3,7	0,74		
Resistance			Insulation resistance			Overload test			
U ₁ -V ₁ 6,155 Ω U ₁ -W ₁ 6,165 " V ₁ -W ₁ 6,178 "			20 °C 44,5 °C			14000 MΩ 1000 V 1,6 x T _N 15 s			
			High-voltage test						
			1900 V 60 s						
Test		Line		Input		Output			
		U[V]	f[Hz]	I[A]	P ₁ [kW]	P ₂ [kW]	n[r/min]	cos φ	η [%]
No-load test		400,2 Y	50	2,44	0,170			0,1003	
Locked-rotor test		94,0 Y	50	3,71	0,334			0,5521	
Temperature-rise test		400,3 Y	50	3,70	1,85	1,50	954	0,72	81,1
Temperature rise at amb.temp. 25 °C			Temperature rise at amb. temp. 25 °C			Measurement method			
[K] Method			[K] Method			1 Resistance			
Stator winding 43,2 1			Frame 30,5 3			2 Embedded temp. detector			
			Bearing D-end 29,8 3			3 Thermometer			
			Rotor 47,7 2						
<p>These tests have been carried out on motor no. 3GF10014478B, on date 2010-02-17 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									