



Test Report						Cert. No. LCIE 06 ATEX 6089			
Customer:						Date of Issue			
Customer ref.:						Type: M3GP 100LA 4 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:			
Rating: 3~Motor		Product Code 3GGP102510-_SG							
		V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]
Insul.cl. F		400 Y	50	2,2	1441	4,4	0,86		
S1 Amb. -20...+40 °C		230 D	50	2,2	1441	7,6	0,86		
IP 55		380 Y	50	2,2	1432	4,6	0,87		
58 kg		220 D	50	2,2	1432	8	0,87		
		415 D	50	2,2	1436	4,3	0,84		
		440 D	60	2,5	1732	4,4	0,86		
Resistance			Insulation resistance			Overload test			
U ₁ -V ₁ 4,308 Ω			17000 MΩ 1000 V			1,6 x T _N 15 s			
U ₁ -W ₁ 4,302 "			37 °C						
V ₁ -W ₁ 4,304 "			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		400,1 Y	50	2,11	0,123			0,0840	
Locked-rotor test		78,2 Y	50	4,42	0,322			0,5376	
Temperature-rise test		400,1 Y	50	4,43	2,57	2,20	1439	0,84	85,5
Temperature rise at amb.temp. 25 °C			Temperature rise at amb. temp. 25 °C			Measurement method			
[K] Method			[K] Method			1 Resistance			
Stator winding 35,7 1			Frame 22,7 3			2 Embedded temp. detector			
			Bearing D-end 22,5 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF10020335B, 2010-02-22 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									