



<b>Test Report</b>						Cert. No. LCIE 10 ATEX 3092 X			
Customer:						Date of Issue			
Customer ref.:						Type: M3GP 100LA 2 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:			
Rating: 3-Motor		Product Code 3GGP101510-_SH							
		V	Hz	kW	r/min	A	cos φ		
Insul.cl. F		400 Y	50	3	2896	5,5	0.90		
S1		230 D	50	3	2896	9,7	0.90		
IP 55		380 Y	50	3	2883	5,9	0.90		
61 kg		220 D	50	3	2883	10,2	0.90		
		415 Y	50	3	2904	5,3	0.90		
		440 Y	60	3,5	3474	5,9	0.90		
Resistance			Insulation resistance			Overload test			
U <sub>1</sub> -V <sub>1</sub> 2,916 Ω			94000 MΩ 1000 V			1,6 x T <sub>N</sub> 15s			
U <sub>1</sub> -W <sub>1</sub> 2,919 "			32,5°C			Starting Current I <sub>S</sub> /I <sub>N</sub> = 6,79			
V <sub>1</sub> -W <sub>1</sub> 2,919 "			High-voltage test						
			1800 V 60s						
Test		Line	f[Hz]	Input	P <sub>1</sub> [kW]	Output	n[r/min]	cos φ	η [%]
		U[V]		I[A]		P <sub>2</sub> [kW]			
No-load test		399,9 Y	50	1,568	0,147			0,1351	
Locked-rotor test		85,4 Y	50	5,595	0,370			0,4475	
Temperature-rise test		400,1 Y	50	5,68	3,52	3,00	2896	0,894	85,3
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 51,1 1			Frame 20,3 3			2 Embedded temperature detector			
			Bearing D-end 26,6 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF11060776B, on date 2011-05-22, 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									
ABB Oy, Motors and Generators, Vaasa, Finland									