



Test Report					Cert. No. LCIE 10 ATEX 3092 X				
Customer:					Date of Issue				
Customer ref.:					Type: M3GP 112MB 2 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:				
Rating: 3-Motor		Product Code 3GGP111320-_DH							
		V	Hz	kW	r/min	A	cos φ		
Insul.cl. F		690 Y	50	4	2891	4,3	0.90		
S1		400 D	50	4	2891	7,5	0.90		
IP 55		660 Y	50	4	2877	4,5	0.90		
64 kg		380 D	50	4	2877	7,8	0.90		
		415 D	50	4	2900	7,2	0.89		
		440 D	60	4,6	3478	7,6	0.90		
Resistance			Insulation resistance			Overload test			
U ₁ -V ₁ 1,997 Ω			48000 MΩ 1000 V			1,6 x T _N 15s			
U ₁ -W ₁ 1,998 "			43,0°C			Starting Current I _S /I _N = 7,75			
V ₁ -W ₁ 1,996 "			High-voltage test						
			1800 V 60s						
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		399,8 D	50	2,197	0,201			0,1323	
Locked-rotor test		82,2 D	50	7,388	0,490			0,4659	
Temperature-rise test		400,0 D	50	7,59	4,69	4,00	2891	0,891	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 60,4 1			Frame 26,6 3			2 Embedded temperature detector			
			Bearing D-end 31,5 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF11060780B, 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									