



Test Report					Cert. No. LCIE 10 ATEX 3092 X				
Customer:					Date of Issue				
Customer ref.:					Type: M3GP 112MC 4 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:				
Rating: 3-Motor		Product Code 3GGP112330-_DH							
Insul.cl. F		V	Hz	kW	r/min	A	cos φ		
S1		690 Y	50	4	1458	4.4	0.78		
IP 55		400 D	50	4	1458	8.3	0.78		
72 kg		415 D	50	4	1461	8.4	0.75		
Resistance			Insulation resistance			Overload test			
U ₁ -V ₁ 1,470 Ω			47000 MΩ 1000 V			1,6 x T _N 15s			
U ₁ -W ₁ 1,470 "			40,5°C			Starting Current I _S /I _N = 8,71			
V ₁ -W ₁ 1,470 "			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		399,9 D	50	5,316	0,300			0,0814	
Locked-rotor test		57,4 D	50	8,695	0,435			0,5034	
Temperature-rise test		400,1 D	50	8,59	4,57	4,00	1458	0,768	87,6
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 42,4 1			Frame 31,5 3			2 Embedded temperature detector			
			Bearing D-end 30,1 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF11060782B, 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									