



<b>Test Report</b>						Cert. No. LCIE 10 ATEX 3093 X			
Customer:						Date of Issue			
Customer ref.:						Type: M3GP 132SMB 2 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:			
Rating: 3-Motor		Product Code 3GGP131220-_DH							
		V	Hz	kW	r/min	A	cos φ		
Insul.cl. F		690 Y	50	5,5	2905	6	0,90		
S1		400 D	50	5,5	2905	10,1	0,90		
IP 55		660 Y	50	5,5	2893	6,2	0,90		
92 kg		380 D	50	5,5	2893	10,7	0,90		
		415 D	50	5,5	2911	9,9	0,88		
		440 D	60	6,3	3486	10,9	0,91		
Resistance			Insulation resistance			Overload test			
U <sub>1</sub> -V <sub>1</sub> 1,514 Ω			130000 MΩ 1000 V			1,6 x T <sub>N</sub> 15s			
U <sub>1</sub> -W <sub>1</sub> 1,513 "			26,0°C			Starting Current I <sub>S</sub> /I <sub>N</sub> = 6,88			
V <sub>1</sub> -W <sub>1</sub> 1,515 "			High-voltage test						
			1900 V 60s						
Test		Line		Input		Output			
		U[V]	f[Hz]	I[A]	P <sub>1</sub> [kW]	P <sub>2</sub> [kW]	n[r/min]	cos φ	η [%]
No-load test		400,3 D	50	4,053	0,395			0,1407	
Locked-rotor test		63,5 D	50	10,104	0,630			0,5671	
Temperature-rise test		400,2 D	50	10,57	6,37	5,50	2909	0,870	86,3
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 45,7 1			Frame 12,7 3			2 Embedded temperature detector			
			Bearing D-end 19,2 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF11061081C, on date 2011-04-05, 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									