



<b>Test Report</b>					Cert. No. LCIE 06 ATEX 6089 IECEX LCI 07.0001				
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-BDG482							
		V	Hz	kW	r/min	A	cos φ		
Insul.cl. F		690 Y	50	4	1436	4.8	0.81		
S1 AMB -20...+40°C		400 D	50	4	1436	8.4	0.81		
IP 55		660 Y	50	4	1427	5	0.85		
63 kg		380 D	50	4	1427	8.6	0.85		
		415 D	50	4	1441	8.4	0.79		
		440 D	60	4.6	1730	8.2	0.84		
Resistance			Insulation resistance			Overload test			
U <sub>1</sub> -V <sub>1</sub> 2,119 Ω			2100 MΩ 1000 V			1,6 x T <sub>N</sub> 15s			
U <sub>1</sub> -W <sub>1</sub> 2,119 "			52,0°C			Starting Current I <sub>s</sub> /I <sub>N</sub> = 6,55			
V <sub>1</sub> -W <sub>1</sub> 2,121 "			High-voltage test						
			1800 V 60s						
Test		Line U[V]	f[Hz]	Input I[A]	P <sub>1</sub> [kW]	Output P <sub>2</sub> [kW]	n[r/min]	cos φ	η [%]
No-load test		400,0 D	50	4,717	0,281			0,0859	
Locked-rotor test		78,1 D	50	8,410	0,636			0,5596	
Temperature-rise test		400,5 D	50	8,48	4,73	4,00	1433	0,806	84,5
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 68,6 1		Frame 44,9 3			2 Embedded temperature detector				
		Bearing D-end 32,7 3			3 Thermometer				
<p>These tests have been carried out on motor no. 3GF10056839B, on date 2010-12-28, 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									