



Test Report						Cert. No. LCIE 06 ATEX 6089 IECEX LCI 07.0001			
Customer:						Date of Issue			
Customer ref.:						Type: M3GP 315SMA 4 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:			
Rating: 3-Motor		Product Code 3GGP312210-ADG							
		V	Hz	kW	r/min	A	cos φ		
Insul.cl. F		690 Y	50	110	1487	112	0,86		
S1		400 D	50	110	1487	194	0,86		
IP 55		660 Y	50	110	1486	116	0,87		
900 kg		380 D	50	110	1486	202	0,87		
		415 D	50	110	1488	189	0,85		
		440 D	60	125	1786	199	0,87		
Resistance			Insulation resistance			Overload test			
U ₁ -V ₁ 0,02024 Ω 20,0°C			31000 MΩ 1000 V			1,6 x T _N 15s			
U ₁ -W ₁ 0,02022 "			51,0°C			Starting Current I _S /I _N = 7,41			
V ₁ -W ₁ 0,02023 "			High-voltage test						
			1900 V 60s						
Test		Line	f[Hz]	Input	P ₁ [kW]	Output	n[r/min]	cos φ	η [%]
		U[V]		I[A]		P ₂ [kW]			
No-load test		400,0 D	50	61,73	2,092			0,0489	
Locked-rotor test		74,6 D	50	194,12	7,128			0,2840	
Temperature-rise test		400,4 D	50	195,68	115,52	110,00	1489	0,852	95,2
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 54,8 1			Frame 24,6 3			2 Embedded temperature detector			
			Bearing D-end 38,2 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF10051625B, on date 2010-11-16, 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									