



Test Report		Cert. No. ATEX Cert. No. LCIE 06 ATEX 6089 IECEX Cert. No. IECEX LCI 07.0001																			
Customer:		Date of Issue																			
Customer ref.:		Type: M3GP 315SMA 8 Protection type: Ex nA II T3 Serial no.: Tag no.: Order no.:																			
Rating: 3~Motor		Product Code 3GGP314210-_DG																			
Insul.cl. F S1 IP 55 830 kg		<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> </tr> </thead> <tbody> <tr> <td>690 Y</td> <td>50</td> <td>55</td> <td>742</td> <td>60</td> <td>0,81</td> </tr> <tr> <td>400 D</td> <td>50</td> <td>55</td> <td>742</td> <td>104</td> <td>0,81</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	690 Y	50	55	742	60	0,81	400 D	50	55	742	104	0,81
V	Hz	kW	r/min	A	cos φ																
690 Y	50	55	742	60	0,81																
400 D	50	55	742	104	0,81																
Resistance		Insulation resistance																			
U_1-V_1 0,06709 Ω 20 °C U_1-W_1 0,06722 " V_1-W_1 0,06707 "		21000 MΩ 1000 V 43 °C																			
		High-voltage test 2400 V 60 s																			
		Overload test 1,6 x T _N 15 s																			
Test		Line																			
		U[V] f[Hz] Input I[A] P ₁ [kW] Output P ₂ [kW] η[r/min] cos φ η [%]																			
No-load test		400,0 D 50 42,7 1,38																			
Locked-rotor test		88,1 D 50 104 3,64																			
Temperature-rise test		400,1 D 50 106 58,94 55,0 742 0,80 93,3																			
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C																			
[K] Method		[K] Method																			
Stator winding 44,1 1		Frame 25,7 3 Bearing D-end 29,7 3																			
		Measurement method 1 Resistance 2 Embedded temp. detector 3 Thermometer																			
<p>These tests have been carried out on motor no. 3GF10021103B, 2010-05-04 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																					
Tested by ABB Oy Motors/Vaasa																					