




Test Report						Cert. No. LCIE 06 ATEX 6089			
Customer:						Date of Issue			
Customer ref.:						Type: M3GP 315SMB 4 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:			
Rating: 3~Motor		Product Code 3GGP312220-_DG							
		V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]
Insul.cl. F		690 Y	50	132	1487	134	0.86		
S1		400 D	50	132	1487	232	0.86		
IP 55		660 Y	50	132	1486	140	0.87		
960 kg		380 D	50	132	1486	242	0.87		
		415 D	50	132	1488	227	0.85		
		440 D	60	150	1785	236	0.87		
Resistance			Insulation resistance			Overload test			
U ₁ -V ₁ 0,01680 Ω 21 °C			15000 MΩ 1000 V			1,6 x T _N 15 s			
U ₁ -W ₁ 0,01679 "			60 °C						
V ₁ -W ₁ 0,01678 "			High-voltage test						
			2400 V 60 s						
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		400,0 D	50	72,1	2,19			0,0438	
Locked-rotor test		73,9 D	50	232	9,42			0,3172	
Temperature-rise test		400,0 D	50	235	138	132	1487	0,85	95,4
Temperature rise at amb.temp. 25 °C			Temperature rise at amb. temp. 25 °C			Measurement method			
[K] Method			[K] Method			1 Resistance			
Stator winding 61,7 1			Frame 27,0 3			2 Embedded temperature detector			
			Bearing D-end 46,3 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF10021467B, 2010-04-20 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									