



Test Report						Cert. No. LCIE 01 ATEX 6079			
Customer:						Date of Issue			
Customer ref.:						Type: M3GP 315MLA 4 Protection Ex nA II T4 type: Serial no.: Tag no.: Order no.:			
Rating: 3-Motor		Product Code 3GGP312410-_DG							
		V	Hz	kW	r/min	A	cos φ		
Insul.cl. F		690 Y	50	200	1486	203	0,86		
S1		400 D	50	200	1486	351	0,86		
IP 55		660 Y	50	200	1484	210	0,87		
1160 kg		380 D	50	200	1484	365	0,87		
		415 D	50	200	1488	342	0,85		
		440 D	60	230	1784	363	0,87		
Resistance			Insulation resistance			Overload test			
U ₁ -V ₁ 0,01020 Ω 20,0°C			2400 MΩ 1000 V			1,6 x T _N 15s			
U ₁ -W ₁ 0,01021 "			57,5°C			Starting Current I _S /I _N = 6,66			
V ₁ -W ₁ 0,01020 "			High-voltage test						
			1800 V 60s						
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		399,8 D	50	111,79	3,142			0,0406	
Locked-rotor test		71,9 D	50	351,6	13,476			0,3078	
Temperature-rise test		400,1 D	50	352,11	209,32	200,00	1487	0,858	95,5
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 73,3 1			Frame 46,0 3			2 Embedded temperature detector			
			Bearing D-end 50,2 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF10056621B, on date 2011-01-18, 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									