



Test Report						Cert. No. LCIE 06 ATEX 6089 IECEX LCI 07.0001						
Customer:						Date of Issue						
Customer ref.:						Type: M3GP 400LC 8 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:						
Rating: 3-Motor		Product Code 3GGP404530-DG										
		V	Hz	kW	r/min	A	cos φ					
Insul.cl. F		690 Y	50	400	744	424	0,82					
S1 AMB -20...+40°C		400 D	50	400	744	731	0,82					
IP 55		660 Y	50	400	743	438	0,83					
3400 kg		380 D	50	400	743	761	0,83					
		415 D	50	400	744	722	0,80					
		440 D	60	450	893	740	0,83					
Resistance			Insulation resistance			Overload test 1,6 x T _N 15s						
U ₁ -V ₁ 0,004300 Ω 27,5°C			7000 MΩ 1000 V			Starting Current I _s /I _N = 6,02						
U ₁ -W ₁ 0,004298 "			83,0°C									
V ₁ -W ₁ 0,004302 "			High-voltage test									
			1900 V 60s									
Test		Line U[V]		f[Hz]	Input I[A]		P ₁ [kW]	Output P ₂ [kW]		n[r/min]	cos φ	η [%]
No-load test		400,0 D		50	259,00		5,070				0,0283	
Locked-rotor test		87,2 D		50	731,2		21,532				0,1949	
Temperature-rise test		400,8 D		50	735,26		416,40	400,00		744	0,817	96,1
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 68,9 1			Frame 44,5 3			2 Embedded temperature detector						
Rotor 120,9 2			Bearing D-end 49,0 3			3 Thermometer						
<p>These tests have been carried out on motor no. 3GF11069476C, on date 2011-06-10, 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												