



<b>Test Report</b>						Cert. No. LCIE 06 ATEX 6089			
Customer:						Date of Issue			
Customer ref.:						Type: M3GP 90SLC 4 Protection Ex nA II T3 type: Serial no.: Tag no.: Order no.:			
Rating: 3~Motor		Product Code 3GGP092030-_DG							
		V	Hz	kW	r/min	A	cos φ	I <sub>A</sub> /I <sub>N</sub>	T <sub>E</sub> [s]
Insul.cl. F		690 Y	50	1,5	1431	1,91	0,81		
S1 Amb. -20...+40 °C		400 D	50	1,5	1431	3,31	0,81		
IP 55		660 Y	50	1,5	1417	1,96	0,83		
44 kg		380 D	50	1,5	1417	3,4	0,83		
		415 D	50	1,5	1438	3,3	0,79		
		440 D	60	1,75	1721	3,27	0,83		
Resistance			Insulation resistance			Overload test			
U <sub>1</sub> -V <sub>1</sub> 7,828 Ω			22000 MΩ 1000 V			1,6 x T <sub>N</sub> 15 s			
U <sub>1</sub> -W <sub>1</sub> 7,823 "			41,5 °C						
V <sub>1</sub> -W <sub>1</sub> 7,830 "			High-voltage test						
			1900 V 60 s						
Test		Line		Input		Output			
		U[V]	f[Hz]	I[A]	P <sub>1</sub> [kW]	P <sub>2</sub> [kW]	n[r/min]	cos φ	η [%]
No-load test		400,4 D	50	2,06	0,155			0,1089	
Locked-rotor test		78,5 D	50	3,31	0,302			0,6711	
Temperature-rise test		400,3 D	50	3,40	1,86	1,5	1424	0,79	80,6
Temperature rise at amb.temp. 25 °C			Temperature rise at amb. temp. 25 °C			Measurement method			
[K] Method			[K] Method			1 Resistance			
Stator winding 39,7 1			Frame 26,7 3			2 Embedded temperature detector			
			Bearing D-end 22,8 3			3 Thermometer			
<p>These tests have been carried out on motor no. 3GF10015704B, 2010-02-10 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									
Tested by ABB Oy Motors/Vaasa									