



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 90SLC 2 Protection type: Ex nA II T3																			
Rating: 3-Motor		Product Code 3GGP091030-_DG																			
Insul.cl. F S1 IP 55 44 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>2,2</td> <td>2871</td> <td>2,42</td> <td>0,90</td> </tr> <tr> <td>400 D</td> <td>50</td> <td>2,2</td> <td>2871</td> <td>4,19</td> <td>0,90</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	690 Y	50	2,2	2871	2,42	0,90	400 D	50	2,2	2871	4,19	0,90
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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]	n[r/min]	cos φ	η [%]												
No-load test		400,1 D	50	1,56	0,145			0,1345													
Locked-rotor test		72,2 D	50	4,18	0,298			0,5699													
Temperature-rise test		400,1 D	50	4,27	2,630	2,20	2875	0,89	83,6												
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C		Measurement method																	
[K] Method		[K] Method		1 Resistance																	
Stator winding 41,9 1		Frame 19,3 3		2 Embedded temp. detector																	
		Bearing D-end 22,8 3		3 Thermometer																	
		Rotor 50,2 2																			
<p>These tests have been carried out on motor no. 3GF10020502B, 2010-05-11 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																					
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Tested by ABB Oy Motors/Vaasa																					