



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 132SMC 6 Protection type: Ex nA II T3																																											
Rating: 3-Motor		Product Code 3GGP133230-_DG																																											
Insul.cl. F		Serial no.:																																											
S1		Tag no.:																																											
IP 55		Order no.:																																											
95 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>4</td> <td>967</td> <td>5.4</td> <td>0.74</td> </tr> <tr> <td>400 D</td> <td>50</td> <td>4</td> <td>967</td> <td>9.3</td> <td>0.74</td> </tr> <tr> <td>660 Y</td> <td>50</td> <td>4</td> <td>962</td> <td>5.4</td> <td>0.78</td> </tr> <tr> <td>380 D</td> <td>50</td> <td>4</td> <td>962</td> <td>9.1</td> <td>0.78</td> </tr> <tr> <td>415 D</td> <td>50</td> <td>4</td> <td>970</td> <td>9.4</td> <td>0.72</td> </tr> <tr> <td>440 D</td> <td>60</td> <td>4.6</td> <td>1162</td> <td>9.1</td> <td>0.78</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	690 Y	50	4	967	5.4	0.74	400 D	50	4	967	9.3	0.74	660 Y	50	4	962	5.4	0.78	380 D	50	4	962	9.1	0.78	415 D	50	4	970	9.4	0.72	440 D	60	4.6	1162	9.1	0.78		
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Resistance		Insulation resistance																																											
$U_1 - V_1$ 1,872 Ω $U_1 - W_1$ 1,870 " $V_1 - W_1$ 1,870 "		1500 MΩ 1000 V 22,5°C 48,5 °C																																											
		High-voltage test																																											
		2900V 1 s																																											
		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		400,3 D	50	5,86	0,367			0,0904																																					
Locked-rotor test		80,3 D	50	9,33	0,656			0,5053																																					
Temperature-rise test		400,3 D	50	9,30	4,79	4,00	964	0,74	83,4																																				
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C		Measurement method																																									
[K] Method		[K] Method		1 Resistance																																									
Stator winding 44,5 1		Frame 33,1 3		2 Embedded temp. detector																																									
		Bearing D-end 33,5 3		3 Thermometer																																									
<p>These tests have been carried out on motor no. 3GF10029236B, 2010-06-09 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																																													