



Test Report		Cert. No. LCIE 06 ATEX 6048																									
Customer:		Date of Issue																									
Customer ref.:		Type: M3HP 100LA 4 Protection Ex e II T3 type: Serial no.: Tag no.: Order no.:																									
Rating: 3~Motor		Product Code 3GHP102510-_DG																									
Insul.cl. F S1 IP 55 58 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> <th>I_A/I_N</th> <th>T_E[s]</th> </tr> </thead> <tbody> <tr> <td>690 Y</td> <td>50</td> <td>2.2</td> <td>1441</td> <td>2.5</td> <td>0.86</td> <td></td> <td></td> </tr> <tr> <td>400 D</td> <td>50</td> <td>2.2</td> <td>1441</td> <td>4.4</td> <td>0.86</td> <td></td> <td></td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	I _A /I _N	T _E [s]	690 Y	50	2.2	1441	2.5	0.86			400 D	50	2.2	1441	4.4	0.86		
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690 Y	50	2.2	1441	2.5	0.86																						
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Resistance		Insulation resistance																									
<table border="1"> <tbody> <tr> <td>U₁-V₁</td> <td>4,418 Ω</td> <td rowspan="3">20,5 °C</td> </tr> <tr> <td>U₁-W₁</td> <td>4,418 "</td> </tr> <tr> <td>V₁-W₁</td> <td>4,415 "</td> </tr> </tbody> </table>		U ₁ -V ₁	4,418 Ω	20,5 °C	U ₁ -W ₁	4,418 "	V ₁ -W ₁	4,415 "	<table border="1"> <tbody> <tr> <td>11000 MΩ</td> <td>1000 V</td> </tr> <tr> <td>41 °C</td> <td></td> </tr> </tbody> </table>		11000 MΩ	1000 V	41 °C														
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11000 MΩ	1000 V																										
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		Overload test 1,6 x T _N 15 s																									
		High-voltage test 1900 V 60 s																									
Test		Line																									
		U[V]																									
		f[Hz]																									
		Input																									
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		η[r/min]																									
		cos φ																									
		η [%]																									
No-load test		400,0 D 50 2,02 0,125																									
Locked-rotor test		79,7 D 50 4,40 0,323																									
Temperature-rise test		400,1 D 50 4,43 2,59 2,20 1436 0,84 85,1																									
Temperature rise at amb.temp. 25 °C		Temperature rise at amb. temp. 25 °C																									
[K] Method		[K] Method																									
Stator winding 38,7 1		Frame 24,2 3																									
		Bearing D-end 25,1 3																									
		Rotor 43,9 3																									
		Measurement method																									
		1 Resistance																									
		2 Embedded temperature detector																									
		3 Thermometer																									
<p>These tests have been carried out on motor no. 3GF10017284B, 2010-03-01 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																											