



Test Report				Date of issue: 25.11.2015																																					
				Type: M3JM 200MLE 2																																					
				Product Code: 3GJM201450-DG																																					
				Protection type: Ex d I Mb																																					
				Cert. No.: LCIE 10 ATEX 3061X / IECEx LCI 04.0011X																																					
Rating:																																									
<table border="1"> <thead> <tr> <th></th> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>3~Motor</td> <td>690</td> <td>Y 50</td> <td>45</td> <td>2944</td> <td>45,9</td> <td>0,88</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>400</td> <td>D 50</td> <td>45</td> <td>2944</td> <td>79,4</td> <td>0,88</td> <td>S1</td> </tr> <tr> <td>IP66</td> <td>415</td> <td>D 50</td> <td>45</td> <td>2949</td> <td>77,5</td> <td>0,88</td> <td>S1</td> </tr> </tbody> </table>											V	Hz	kW	r/min	A	cos φ	Duty	3~Motor	690	Y 50	45	2944	45,9	0,88	S1	Insul.cl.F	400	D 50	45	2944	79,4	0,88	S1	IP66	415	D 50	45	2949	77,5	0,88	S1
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Eff class IE2      50Hz : IE2 - 93.3%(100%) - 93.5%(75%) - 93.1%(50%)																																									
Resistance				Insulation resistance at 47 °C																																					
Line				Ambient: 21 °C		12000 MΩ		1000 V																																	
U <sub>1</sub> - V <sub>1</sub>				0,07970 Ω																																					
U <sub>1</sub> - W <sub>1</sub>				0,07982 Ω																																					
V <sub>1</sub> - W <sub>1</sub>				0,07974 Ω																																					
				High-voltage test winding		2900 V		1 s																																	
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]																																
No load test		400,0 D	50	20,7	1,24		2998	0,09																																	
Locked rotor test		76,0 D	50	79,1	3,87		0	0,37																																	
Thermal test (100% load)	146,0	400,1 D	50	79,4	48,6	45,0	2945	0,88	92,7																																
Partial load points:																																									
~75% load	109,5	400,0 D	50	60,7	36,3	33,8	2958	0,86	93,0																																
~50% load	72,8	400,0 D	50	43,5	24,3	22,5	2972	0,81	92,5																																
~25% load	36,4	400,0 D	50	28,8	12,7	11,3	2983	0,63	88,9																																
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																	
Stator winding :				71	1			1 Resistance																																	
Frame :				26	2			2 Thermocouples																																	
Bearing D-end :				47	2			3 Thermometer																																	
Ambient Temperature :				25	2																																				
<p>These tests have been carried out on motor no. 3GF11094418, on date 2011-12-17, which is identical in electrical 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 and Generators, Vaasa, Finland						Telephone +358 10 2211 Telefax +358 10 22 47372																																			

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