



Test Report				Date of issue: 25.11.2015																																								
				Type: M3JM 200MLA 8 Product Code: 3GJM204410-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</td> <td>50</td> <td>15</td> <td>734</td> <td>17,8</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>400</td> <td>D</td> <td>50</td> <td>15</td> <td>734</td> <td>30,6</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>IP66</td> <td>415</td> <td>D</td> <td>50</td> <td>15</td> <td>735</td> <td>30,2</td> <td>0,77</td> <td>S1</td> </tr> </tbody> </table>									V	Hz	kW	r/min	A	cos φ	Duty	3~Motor	690	Y	50	15	734	17,8	0,79	S1	Insul.cl.F	400	D	50	15	734	30,6	0,79	S1	IP66	415	D	50	15	735	30,2	0,77	S1
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Eff class IE3		50Hz : IE3 - 89.9%(100%) - 90.4%(75%) - 89.5%(50%)																																										
Resistance		Ambient: 12 °C Line U ₁ - V ₁ 0,47350 Ω U ₁ - W ₁ 0,47360 Ω V ₁ - W ₁ 0,47360 Ω				Insulation resistance at 42 °C 5000 MΩ 1000 V		Overload Torque 160 % 15s																																				
						High-voltage test winding 2900 V		1 s																																				
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P ₁ [kW]	Output P ₂ [kW]	n[r/min]	cos φ	η [%]																																			
No load test		400,5 D	50	14,6	0,67		750	0,07																																				
Locked rotor test		88,5 D	50	30,4	1,86		0	0,40																																				
Thermal test (100% load)	195,2	400,0 D	50	30,6	16,8	15,0	734	0,79	89,2																																			
Partial load points:																																												
~75% load	146,4	400,2 D	50	24,6	12,5	11,3	739	0,74	89,7																																			
~50% load	97,2	400,1 D	50	19,6	8,45	7,50	743	0,62	88,8																																			
~25% load	48,2	400,2 D	50	15,8	4,50	3,75	747	0,41	83,4																																			
Temperature rise at rated load.		[°C]		[K]	Method	Measurement method																																						
Stator winding :		71		1	1 Resistance																																							
Frame :		49		2	2 Thermocouples																																							
Bearing D-end :		54		2	3 Thermometer																																							
Ambient Temperature :		25		2																																								
These tests have been carried out on motor no. 3GF11094423, on date 2012-02-03, which is identical in electrical design with the above. Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.																																												
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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