



Test Report		Cert. No. LCIE 10 ATEX 3089 X / IECEx LCI 04.0008X																									
		Date of Issue 22.11.2015																									
		Type: M3JM 355MLB 2 Protection Ex d I Mb type:																									
Rating: 3-Motor		Product Code 3GJM 351 420 - _DG																									
Insul.cl. F S1 IP 66		<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>450</td> <td>2983</td> <td>431</td> <td>0,90</td> </tr> <tr> <td>400 D</td> <td>50</td> <td>450</td> <td>2983</td> <td>743</td> <td>0,90</td> </tr> <tr> <td>415 D</td> <td>50</td> <td>450</td> <td>2985</td> <td>716</td> <td>0,90</td> </tr> </tbody> </table>		V	Hz	kW	r/min	A	cos φ	690 Y	50	450	2983	431	0,90	400 D	50	450	2983	743	0,90	415 D	50	450	2985	716	0,90
V	Hz	kW	r/min	A	cos φ																						
690 Y	50	450	2983	431	0,90																						
400 D	50	450	2983	743	0,90																						
415 D	50	450	2985	716	0,90																						
Resistance U ₁ -V ₁ 0,002704Ω 22 °C U ₁ -W ₁ 0,002715" V ₁ -W ₁ 0,002708"		Insulation resistance 10000 MΩ 1000 V 64 °C																									
		High-voltage test 2400 V 60 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		399,9 D	50	178,6	6,24			0,05																			
Locked-rotor test		57,2 D	50	749,8	19,5			0,26																			
Temperature-rise test		400,1 D	50	744,8	463,6	450,0	2984	0,90	97,1																		
Temperature rise at amb.temp. 24 °C [K] Method		Temperature rise at amb. temp. 24 °C [K] Method		Measurement method																							
Stator winding 74,4 1		Frame 36,5 3 Bearing D-end 56,5 3		1 Resistance 2 Thermometer 3 Thermocouples																							
These tests have been carried out on motor no. 0413-010650783B, on date 2004-05-04 which is identical in design with the above.																											
Manufactured and tested in accordance with rules of IEC 60034-1.																											
On behalf of customer																											
On behalf of manufacturer																											
Tested by ABB Oy Motors/Vaasa																											