



Test Report				Date of issue: 29.5.2015																																																				
Customer:				Serial No.:																																																				
Customer ref.:				Order No.: Type: M3JP 225SMB 4 Product Code: 3GJP222220-ADK Protection type: Ex d IIB T4 Gb Cert. No.: LCIE 10 ATEX 3057X/ IECEX LCI 04.0005X																																																				
Rating:				<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>Duty</th> </tr> </thead> <tbody> <tr> <td>690</td> <td>Y</td> <td>50</td> <td>1482</td> <td>46,5</td> <td>0,85</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D</td> <td>50</td> <td>1482</td> <td>80,2</td> <td>0,85</td> <td>S1</td> </tr> <tr> <td>660</td> <td>Y</td> <td>50</td> <td>1479</td> <td>48,3</td> <td>0,86</td> <td>S1</td> </tr> <tr> <td>380</td> <td>D</td> <td>50</td> <td>1479</td> <td>83,9</td> <td>0,86</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D</td> <td>50</td> <td>1483</td> <td>78,3</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D</td> <td>60</td> <td>1483</td> <td>70,5</td> <td>0,84</td> <td>S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y	50	1482	46,5	0,85	S1	400	D	50	1482	80,2	0,85	S1	660	Y	50	1479	48,3	0,86	S1	380	D	50	1479	83,9	0,86	S1	415	D	50	1483	78,3	0,84	S1	460	D	60	1483	70,5	0,84	S1
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3-Motor Insul.cl.F IP55 Eff class IE3				50Hz : IE3-95,2(100%)-95,6(75%)-95,5(50%) 60Hz : IE3-95,3(100%)																																																				
Resistance Line U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁				Ambient: 24,2 °C 0,06776 Ω 0,06779 Ω 0,06779 Ω																																																				
Insulation resistance at 24 °C R > 2000 Mohm 1000 V				Overload Current 150 % 120s Torque 160 % 15s Speed 120 % 120s																																																				
High-voltage test winding 2400 V 60 s																																																								
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	η[r/min]	cos φ	η [%]																																															
No load test		398,9 D	50	28,7	0,64		1500	0,03																																																
Locked rotor test		71,3 D	50	80,6	3,36		0	0,34																																																
Thermal test (100% load)	290,2	400 D	50	80,4	47,27	45,00	1481	0,85	95,19																																															
Partial load points:																																																								
~75% load	219,1	400 D	50	63,4	35,66	34,09	1486	0,81	95,61																																															
~50% load	147,1	400 D	50	47,7	24,04	22,97	1491	0,73	95,55																																															
~25% load	74,9	400 D	50	35,1	12,51	11,73	1496	0,51	93,82																																															
Temperature rise at rated load.				<table border="1"> <thead> <tr> <th></th> <th>[°C]</th> <th>[K]</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td>Stator winding :</td> <td></td> <td>68,6</td> <td>1</td> </tr> <tr> <td>Frame :</td> <td></td> <td>54,3</td> <td>2</td> </tr> <tr> <td>Bearing D-end :</td> <td></td> <td>46,4</td> <td>2</td> </tr> <tr> <td>Ambient Temperature :</td> <td>25</td> <td></td> <td>2</td> </tr> </tbody> </table>					[°C]	[K]	Method	Stator winding :		68,6	1	Frame :		54,3	2	Bearing D-end :		46,4	2	Ambient Temperature :	25		2																													
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Measurement method 1 Resistance 2 Thermometer 3 Thermocouples																																																								
These tests have been carried out on motor no. 3GV1110796900001, on date 2011-09-20 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.																																																								
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Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22																																																								
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden																																																								

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