



Test Report				Date of issue: 19.11.2015																																																													
				Type: M3JM 250SMA 6																																																													
				Product Code: 3GJM253210-_DK																																																													
				Protection type: Ex d I Mb																																																													
				Cert. No.: LCIE 10 ATEX 3063X																																																													
				IECEX LCI 04.0012X																																																													
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>37,0</td> <td>991</td> <td>39,4</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>Insul.cl.F</td> <td>400</td> <td>D 50</td> <td>37,0</td> <td>991</td> <td>68,0</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>IP66</td> <td>660</td> <td>Y 50</td> <td>37,0</td> <td>990</td> <td>41,0</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td></td> <td>380</td> <td>D 50</td> <td>37,0</td> <td>990</td> <td>71,1</td> <td>0,84</td> <td>S1</td> </tr> <tr> <td></td> <td>415</td> <td>D 50</td> <td>37,0</td> <td>992</td> <td>66,3</td> <td>0,82</td> <td>S1</td> </tr> <tr> <td></td> <td>460</td> <td>D 60</td> <td>37,0</td> <td>1192</td> <td>59,9</td> <td>0,82</td> <td>S1</td> </tr> </tbody> </table>											V	Hz	kW	r/min	A	cos φ	Duty	3-Motor	690	Y 50	37,0	991	39,4	0,83	S1	Insul.cl.F	400	D 50	37,0	991	68,0	0,83	S1	IP66	660	Y 50	37,0	990	41,0	0,84	S1		380	D 50	37,0	990	71,1	0,84	S1		415	D 50	37,0	992	66,3	0,82	S1		460	D 60	37,0	1192	59,9	0,82	S1
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Eff class IE3																																																																	
50Hz : IE3-94,4(100%)-94,9(75%)-94,7(50%)																																																																	
60Hz : IE3-94,5(100%)																																																																	
Resistance			Insulation resistance at 22,1 °C			Overload																																																											
Line			Ambient: 21,0 °C			R > 2000 Mohm 1000 V		Torque 160 % 15s																																																									
U ₁ - V ₁			0,10310 Ω																																																														
U ₁ - W ₁			0,10290 Ω																																																														
V ₁ - W ₁			0,10310 Ω																																																														
High-voltage test winding						2400 V		60 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		400,4 D	50	29,5	0,69		1000	0,03																																																									
Locked rotor test		89,2 D	50	77,1	3,97		0	0,33																																																									
Thermal test (100% load)	356,5	400,0 D	50	70,4	39,1	37,0	991	0,80	94,5																																																								
Partial load points:																																																																	
~75% load	271,5	400,0 D	50	56,6	29,8	28,3	994	0,76	94,9																																																								
~50% load	180,9	400,0 D	50	43,9	19,9	18,9	996	0,66	94,6																																																								
~25% load	93,1	400,0 D	50	34,2	10,5	9,73	999	0,44	92,3																																																								
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																																									
Stator winding :				53	1			1 Resistance																																																									
Frame :				37	2			2 Thermocouples																																																									
Bearing D-end :				34	2			3 Thermometer																																																									
Ambient Temperature :				22	2																																																												
<p>These tests have been carried out on motor no. 3GV1210866507002, on date 2012-02-13 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> <p>On behalf of customer</p> <p>On behalf of manufacturer</p>																																																																	
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