



Test Report				Date of issue: 19.11.2015																																																																																														
				Type: M3JM 200MLB 6																																																																																														
				Product Code: 3GJM203420-_DK																																																																																														
				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> <th colspan="3"></th> </tr> </thead> <tbody> <tr> <td>3-Motor</td> <td>690</td> <td>Y 50</td> <td>22,0</td> <td>990</td> <td>24,9</td> <td>0,79</td> <td>S1</td> <td colspan="3"></td> </tr> <tr> <td>Insul.cl.F</td> <td>400</td> <td>D 50</td> <td>22,0</td> <td>990</td> <td>43,0</td> <td>0,79</td> <td>S1</td> <td colspan="3"></td> </tr> <tr> <td>IP66</td> <td>660</td> <td>Y 50</td> <td>22,0</td> <td>988</td> <td>25,2</td> <td>0,82</td> <td>S1</td> <td colspan="3"></td> </tr> <tr> <td></td> <td>380</td> <td>D 50</td> <td>22,0</td> <td>988</td> <td>43,7</td> <td>0,82</td> <td>S1</td> <td colspan="3"></td> </tr> <tr> <td></td> <td>415</td> <td>D 50</td> <td>22,0</td> <td>991</td> <td>43,2</td> <td>0,76</td> <td>S1</td> <td colspan="3"></td> </tr> <tr> <td></td> <td>460</td> <td>D 60</td> <td>22,0</td> <td>1191</td> <td>37,7</td> <td>0,78</td> <td>S1</td> <td colspan="3"></td> </tr> <tr> <td>Eff class IE3</td> <td colspan="10">           50Hz : IE3-93,3(100%)-93,7(75%)-93,1(50%)            60Hz : IE3-93,8(100%)         </td> </tr> </tbody> </table>												V	Hz	kW	r/min	A	cos φ	Duty				3-Motor	690	Y 50	22,0	990	24,9	0,79	S1				Insul.cl.F	400	D 50	22,0	990	43,0	0,79	S1				IP66	660	Y 50	22,0	988	25,2	0,82	S1					380	D 50	22,0	988	43,7	0,82	S1					415	D 50	22,0	991	43,2	0,76	S1					460	D 60	22,0	1191	37,7	0,78	S1				Eff class IE3	50Hz : IE3-93,3(100%)-93,7(75%)-93,1(50%) 60Hz : IE3-93,8(100%)									
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Resistance			Ambient: 22,8 °C			Insulation resistance at 24 °C		Overload																																																																																										
Line			R > 2000 Mohm			1000 V		Torque 160 % 15s																																																																																										
U <sub>1</sub> - V <sub>1</sub>			0,20820 Ω																																																																																															
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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		402,0 D	50	17,4	0,67		1000	0,06																																																																																										
Locked rotor test		89,1 D	50	48,0	2,48		0	0,33																																																																																										
Thermal test ( 100% load)	212,3	400,0 D	50	42,2	23,7	22,0	989	0,81	93,0																																																																																									
Partial load points:																																																																																																		
~75% load	160,4	400,0 D	50	34,0	17,9	16,7	993	0,76	93,1																																																																																									
~50% load	106,5	400,0 D	50	26,3	12,0	11,1	995	0,66	92,4																																																																																									
~25% load	55,4	400,0 D	50	20,5	6,53	5,79	998	0,46	88,6																																																																																									
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																																																																										
Stator winding :				56	1			1 Resistance																																																																																										
Frame :				47	2			2 Thermocouples																																																																																										
Bearing D-end :				41	2			3 Thermometer																																																																																										
Ambient Temperature :				24	2																																																																																													
<p>These tests have been carried out on motor no. 3GV0910352497001, on date 2009-10-08 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> <p>Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden</p> <p>Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>																																																																																																		

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