



Test Report				Date of issue: 25.5.2015																																																				
Customer:				Serial No.:																																																				
Customer ref.:				Order No.: Type: M3GP 200MLA 2 Product Code: 3GGP201410-ADK Protection type: Ex de IIB T4 Gb Cert. No.: LCIE 11 ATEX 3088X / IECEx LCI 09.0009X																																																				
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>30,0</td> <td>2958</td> <td>29,6</td> <td>0,90 S1</td> </tr> <tr> <td>400</td> <td>D</td> <td>50</td> <td>30,0</td> <td>2958</td> <td>51,0</td> <td>0,90 S1</td> </tr> <tr> <td>660</td> <td>Y</td> <td>50</td> <td>30,0</td> <td>2952</td> <td>31,2</td> <td>0,90 S1</td> </tr> <tr> <td>380</td> <td>D</td> <td>50</td> <td>30,0</td> <td>2952</td> <td>54,1</td> <td>0,90 S1</td> </tr> <tr> <td>415</td> <td>D</td> <td>50</td> <td>30,0</td> <td>2962</td> <td>49,2</td> <td>0,90 S1</td> </tr> <tr> <td>460</td> <td>D</td> <td>60</td> <td>30,0</td> <td>3563</td> <td>44,5</td> <td>0,90 S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y	50	30,0	2958	29,6	0,90 S1	400	D	50	30,0	2958	51,0	0,90 S1	660	Y	50	30,0	2952	31,2	0,90 S1	380	D	50	30,0	2952	54,1	0,90 S1	415	D	50	30,0	2962	49,2	0,90 S1	460	D	60	30,0	3563	44,5	0,90 S1
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3-Motor Insul.cl.F IP55 Eff class IE3				50Hz : IE3-94,2(100%)-94,9(75%)-94,7(50%) 60Hz : IE3-93,5(100%)																																																				
Resistance Line $U_1 - V_1$ $U_1 - W_1$ $V_1 - W_1$				Ambient: 23,7 °C 0,1163 Ω 0,1142 Ω 0,1175 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		401,1 D	50	12,5	0,56		3000	0,06																																																
Locked rotor test		71,2 D	50	49,4	2,05		0	0,34																																																
Thermal test (100% load)	96,8	400 D	50	51,5	31,82	30,00	2960	0,89	94,29																																															
Partial load points:																																																								
~75% load	75,5	400 D	50	41,0	24,78	23,47	2970	0,87	94,72																																															
~50% load	51,0	400 D	50	29,2	16,80	15,91	2981	0,83	94,69																																															
~25% load	26,9	400 D	50	19,2	9,08	8,43	2991	0,68	92,82																																															
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>51,8</td> <td>1</td> </tr> <tr> <td>Frame :</td> <td></td> <td>31,3</td> <td>2</td> </tr> <tr> <td>Bearing D-end :</td> <td></td> <td>24,7</td> <td>2</td> </tr> <tr> <td>Ambient Temperature :</td> <td>24</td> <td></td> <td>2</td> </tr> </tbody> </table>					[°C]	[K]	Method	Stator winding :		51,8	1	Frame :		31,3	2	Bearing D-end :		24,7	2	Ambient Temperature :	24		2																													
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Measurement method				1 Resistance 2 Thermometer 3 Thermocouples																																																				
These tests have been carried out on motor no. 3GV1110782965001, on date 2011-09-27 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				Date of test																																																				
Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden				Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22																																																				

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