



Test Report				Date of issue: 28.5.2015																																																				
Customer:				Serial No.:																																																				
Customer ref.:				Order No.: Type: M3KP 200MLA 6 Product Code: 3GKP203410-ADK Protection type: Ex de IIB T4 Gb Cert. No.: LCIE 10 ATEX 3061X/ IECEx LCI 04.0011X																																																				
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>18,5</td> <td>990</td> <td>21,6</td> <td>0,77 S1</td> </tr> <tr> <td>400</td> <td>D</td> <td>50</td> <td>18,5</td> <td>990</td> <td>37,3</td> <td>0,77 S1</td> </tr> <tr> <td>660</td> <td>Y</td> <td>50</td> <td>18,5</td> <td>989</td> <td>21,8</td> <td>0,80 S1</td> </tr> <tr> <td>380</td> <td>D</td> <td>50</td> <td>18,5</td> <td>989</td> <td>37,8</td> <td>0,80 S1</td> </tr> <tr> <td>415</td> <td>D</td> <td>50</td> <td>18,5</td> <td>991</td> <td>37,4</td> <td>0,74 S1</td> </tr> <tr> <td>460</td> <td>D</td> <td>60</td> <td>18,5</td> <td>1191</td> <td>32,3</td> <td>0,77 S1</td> </tr> </tbody> </table>				V	Hz	kW	r/min	A	cos φ	Duty	690	Y	50	18,5	990	21,6	0,77 S1	400	D	50	18,5	990	37,3	0,77 S1	660	Y	50	18,5	989	21,8	0,80 S1	380	D	50	18,5	989	37,8	0,80 S1	415	D	50	18,5	991	37,4	0,74 S1	460	D	60	18,5	1191	32,3	0,77 S1
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3-Motor Insul.cl.F IP55 Eff class IE3				50Hz : IE3-92,8(100%)-93,2(75%)-92,6(50%) 60Hz : IE3-93,3(100%)																																																				
Resistance Line $U_1 - V_1$ $U_1 - W_1$ $V_1 - W_1$				Ambient: 22,1 °C 0,2704 Ω 0,2693 Ω 0,2695 Ω																																																				
Insulation resistance at 22 °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 D	50	17,4	0,6		1000	0,05																																																
Locked rotor test		76 D	50	36,2	1,52		0	0,32																																																
Thermal test (100% load)	178,5	400 D	50	36,9	20,03	18,50	990	0,78	92,38																																															
Partial load points:																																																								
~75% load	135,9	400 D	50	30,3	15,26	14,12	992	0,73	92,54																																															
~50% load	90,8	400 D	50	24,2	10,31	9,46	995	0,61	91,80																																															
~25% load	46,6	400 D	50	19,7	5,55	4,87	997	0,41	87,85																																															
Temperature rise at rated load.				°C	K	Method		Measurement method																																																
Stator winding :				50,0	1			1 Resistance																																																
Frame :				39,7	2			2 Thermometer																																																
Bearing D-end :				31,3	2			3 Thermocouples																																																
Ambient Temperature :				22	2																																																			
These tests have been carried out on motor no. 3GV1110796909001, 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.																																																								
On behalf of customer																																																								
On behalf of manufacturer				Date of test		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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