



Type Test Report				Date of issue: 2015-03-16																															
Customer:				Serial No.: 3G1T12460000013380																															
Customer ref.:				Type: M1AA 200 MLA 4 Product Code: 3GAA202061-_DA																															
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 50</td> <td>30.0</td> <td>1460</td> <td>32.2</td> <td>0,86</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>30.0</td> <td>1460</td> <td>55.8</td> <td>0,86</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D 60</td> <td>30.0</td> <td>1760</td> <td>48.5</td> <td>0,85</td> <td>S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	30.0	1460	32.2	0,86	S1	400	D 50	30.0	1460	55.8	0,86	S1	460	D 60	30.0	1760	48.5	0,85	S1
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3~Motor Insul.cl.F IP55 Eff class IE1		50Hz : IE1-90.7(100%)-90.7(75%)-89.8(50%) 60Hz :																																	
Resistance		Ambient: 25 °C		Insulation resistance at 25 °C		Overload																													
Line				R > 2000 Mohm 1000 V		Current 150% 120s Torque 160% 15s Speed 120% 120s																													
U ₁ - V ₁ U ₁ - W ₁ V ₁ - W ₁		0,30400 Ω 0,30400 Ω 0,30300 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]	η[r/min]	cos φ	η [%]																										
No load test		400 D	50	19,35	1,09		1500	0,08																											
Locked rotor test		100,4 D	50	32,8	2,55		0	0,45																											
Thermal test (100% load)	196,2	400 D	50	56,20	33,55	30,16	1468	0,86	90,60																										
Partial load points:																																			
~75% load	147,2	400 D	50	43,1	25,21	22,76	1477	0,84	90,74																										
~50% load	98,1	400 D	50	32,51	17,01	15,25	1485	0,75	89,94																										
~25% load	49,1	400 D	50	23,51	8,96	7,68	1493	0,55	85,67																										
Temperature rise at rated load.		[°C]		[K]		Method		Measurement method																											
Stator winding :		92,1		3				1 Resistance																											
Frame :								2 Thermometer																											
Bearing D-end :								3 Thermocouples																											
Ambient Temperature :		25		3																															
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		2012-11-16																															

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