



Type Test Report				Date of issue: 2015-03-16																															
				Serial No.: 3G1T13100000012442																															
Customer:				Type: M1AA 200 MLA 6 Product Code: 3GAA203061-_SA																															
Customer ref.:																																			
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>230</td> <td>D 50</td> <td>18.5</td> <td>970</td> <td>64.0</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>400</td> <td>Y 50</td> <td>18.5</td> <td>970</td> <td>37.0</td> <td>0,83</td> <td>S1</td> </tr> <tr> <td>460</td> <td>Y 60</td> <td>18.5</td> <td>1175</td> <td>32.2</td> <td>0,81</td> <td>S1</td> </tr> </tbody> </table>						V	Hz	kW	r/min	A	cos φ	Duty	230	D 50	18.5	970	64.0	0,83	S1	400	Y 50	18.5	970	37.0	0,83	S1	460	Y 60	18.5	1175	32.2	0,81	S1
V	Hz	kW	r/min	A	cos φ	Duty																													
230	D 50	18.5	970	64.0	0,83	S1																													
400	Y 50	18.5	970	37.0	0,83	S1																													
460	Y 60	18.5	1175	32.2	0,81	S1																													
3~Motor																																			
Insul.cl.F																																			
IP55																																			
Eff class IE1		50Hz : IE1-88.6(100%)-88.7(75%)-87.1(50%) 60Hz :																																	
Resistance		Insulation resistance at 25 °C				Overload																													
Line		R > 2000 Mohm 1000 V				Current 150% 120s																													
U ₁ - V ₁		Ambient: 25 °C				Torque 160% 15s																													
U ₁ - W ₁		0,41600 Ω				Speed 120% 120s																													
V ₁ - W ₁		0,41500 Ω																																	
		0,41500 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 Y 50		18,40	0,62		1000	0,06																											
Locked rotor test		95,2 Y 50		21,4	1,36		0	0,38																											
Thermal test (100% load)	182,1	400 Y 50		37,12	20,88	18,52	979	0,83	87,29																										
Partial load points:																																			
~75% load	136,6	400 Y 50		30,20	15,64	13,88	986	0,76	87,26																										
~50% load	91,1	400 Y 50		24,06	10,62	9,25	991	0,64	86,71																										
~25% load	45,5	400 Y 50		19,44	5,51	4,63	994	0,41	84,00																										
Temperature rise at rated load.		[°C] [K] Method				Measurement method																													
Stator winding :		89,0 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 2013-03-08																																			

Computer print-out valid without signature.